

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:02

First Dose M/F: NA / NA

Lab: TSI MASON

C Number:	C56280B
Lock Date:	02/06/1992
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	07/27/1992

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 1	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 459 HISTO: 88287001
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mesenteric	* Thymus
--------------------------	----------

OBSERVATIONS

* Adrenal Cortex [Hypertrophy TGLS = 3-8]		Hypertrophy	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Nose		Fungus	Moderate
		Inflammation	Acute, Marked
* Preputial Gland		Inflammation	Chronic, Minimal
* Stomach, Forestomach		Ulcer	Mild
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH	-
------------------------	---

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 2	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 632 HISTO: 890241
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Bone		Proliferation	Moderate
* Bone Marrow		Myelofibrosis	Marked
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Renal Tubule	Pigmentation	Bile, Mild
		Fatty Change	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary GI			
	Note: NO MAMMARY GLAND SEEN IN ORIGINAL SLIDE OR RECUT		
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Marked
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLS = 4-15]		
* Spleen		Hypertrophy	Moderate
	[Hypertrophy TGLS = 7-3.02]		
	[Leukemia Mononuclear TGLS = 1-3.01]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 632
	DOSE: 0 PPM	DISP: Moribund Sacrifice	HISTO: 890241

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma
------------------------------------	---------------------------	---------

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 8 NO STOMACH LESION SEEN IN ORIGINAL SLIDES OR RECUTS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 632

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890242

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Mesothelioma Malignant	
* Intestine Large, Colon		Parasite Metazoan	Mild
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Intestine Small, Duodenum		Mesothelioma Malignant	
* Intestine Small, Ileum		Mesothelioma Malignant	
* Kidney	Renal Tubule	Degeneration	Granular, Moderate
		Mesothelioma Malignant	
		Nephropathy	Minimal
	[Degeneration TGLS = 8-4]		
	[Mesothelioma Malignant TGLS = 9-4]		
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 10-6]		
* Lymph Node, Mesenteric		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 7-8.1]		
Mesentery		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 4,6-15,16]		
* Pancreas		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 5-9.1]		
* Preputial Gland		Cyst	
* Prostate		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 13-14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:02
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 3	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 632 HISTO: 890242
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle [Mesothelioma Malignant TGLS = 3-14]		Atrophy Mesothelioma Malignant	Moderate
Skeletal Muscle [Mesothelioma Malignant TGLS = 1-17]		Mesothelioma Malignant	
* Spleen		Mesothelioma Malignant	
* Testes [Adenoma TGLS = 2-7] [Mesothelioma Malignant TGLS = 12-7]	Bilateral, Interstit Cell	Adenoma Mesothelioma Malignant	
* Urinary Bladder		Mesothelioma Malignant	

PRIMARY CAUSE OF DEATH	-
-------------------------------	---

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 4	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Scheduled Sacrifice	DAY ON TEST: 463 HISTO: 88287004
---------------------	--------------------------------------	--	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Nose		Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Moderate
* Preputial Gland		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 5	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO: 890243
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Brain	Ear	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone		Hyperostosis	Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
		Mineralization	Mild
* Intestine Large, Cecum		Edema	Marked
* Kidney		Nephropathy	Marked
* Liver		Angiectasis	Focal, Moderate
		Basophilic Focus	
[Angiectasis TGLS = 9-6.01]			
[Basophilic Focus TGLS = 8-6.01]			
Lymph Node	Lymphatic, Pancreatic	Angiectasis	Marked
[Angiectasis TGLS = 10-9,4-8,5-9.01]			
* Lymph Node, Mandibular		Angiectasis	Moderate
[Angiectasis TGLS = 10-9,4-8,5-9.01]			
* Lymph Node, Mesenteric		Angiectasis	Marked
[Angiectasis TGLS = 10-9,4-8,5-9.01]			
* Mammary Gland		Lactation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Hemangiosarcoma	
		Thrombosis	
[Thrombosis TGLS = 6-3.01]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:02
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 5	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO: 890243
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
[Adenoma TGLS = 2-7] [Atrophy TGLS = 3-7]			
* Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 6

TRT#: 1

SEX: Male

DAY ON TEST: 524

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Marked
* Intestine Large, Rectum		Parasite Metazoan	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Proliferation	Moderate
[Proliferation TGLS = 3-6]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Skin		Fibroma	
[Fibroma TGLS = 1-15,15.1]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2-3]			
* Testes	Interstitial Cell	Adenoma	
	Bilateral, Interstit Cell	Hyperplasia	Moderate
* Thymus			

Note: NO THYMUS SEEN IN ORIGINAL SLIDE OR RECUT

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 462

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 88287007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Nose		Inflammation	Chronic, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 8	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO: 890245
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Marked
* Kidney	Atrium	Thrombosis	
[Nephropathy TGLS = 4-4]		Nephropathy	Marked
* Liver		Angiectasis	Focal, Marked
		Basophilic Focus	
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
[Angiectasis TGLS = 8-6+6.02]		Leukemia Mononuclear	
[Basophilic Focus TGLS = 7-6]			
[Fatty Change TGLS = 5-6]			
[Leukemia Mononuclear TGLS = 5,7,8-6,6.2]			
* Lymph Node, Mandibular	Lymphatic	Angiectasis	Moderate
* Mammary Gland		Lactation	Marked
* Nose		Fungus	Marked
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
[Adenoma TGLS = 6-8]			
* Prostate		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:02
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 8	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO: 890245
---------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Atrophy	Marked
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
	[Fibrosis TGLS = 3-3.01]		
	[Leukemia Mononuclear TGLS = 3-3.1]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1+2-7]		
* Thymus			
	Note: NO THYMUS IDENTIFIED IN ORIGINAL SLIDE OR RECUT		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 9

TRT#: 1

SEX: Male

DAY ON TEST: 276

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea			

MISSING

* Lymph Node, Mandibular	* Salivary Glands
--------------------------	-------------------

OBSERVATIONS

* Heart		Inflammation	Chronic, Focal, Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Regeneration	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Congestion	Moderate
[Congestion TGLS = 1-2]			
* Nose		Inflammation	Chronic, Focal, Mild
		Metaplasia	Squamous, Mild
* Urinary Bladder		Calculus Micro Observation Only	
[Calculus Micro Observation Only TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 10	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 736 HISTO: 890246
----------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	Mild
* Intestine Large, Colon		Parasite Metazoan	Marked
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6.01]			
* Pancreas	Acinus	Atrophy	Moderate
* Preputial Gland		Adenoma	
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
* Spleen		Congestion	Marked
[Congestion TGLS = 3-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1+2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 695

DOSE: 0 PPM

DISP: Natural Death

HISTO: 892888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Focal, Minimal
* Bone		Hyperostosis	Mild
* Heart	Atrium	Cardiomyopathy Dilatation	Mild Marked
	[Dilatation TGLS = 5-13]		
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Clear Cell Focus	
* Lung		Angiectasis	Moderate
	[Angiectasis TGLS = 6-2+3]		
* Nose		Fungus Hyperkeratosis Hyperplasia	Marked Marked Basal Cell, Moderate
	[Fungus TGLS = 7-12]		
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Depletion Lymphoid	Marked
	[Depletion Lymphoid TGLS = 8-3]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1+2-7]		

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 3 & 4. NO PANCREATIC OR MEDIASTINAL LN IN RECUTS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 695

DOSE: 0 PPM

DISP: Natural Death

HISTO: 892888

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:02

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Glandular	* Thyroid Gland
* Trachea			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Abscess	Marked
		Mineralization	Marked
	Papilla	Necrosis	Marked
		Nephropathy	Moderate
	[Abscess TGLS = 7+8-4]		
	[Mineralization TGLS = 6-4]		
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 11-6]		
* Mammary Gland		Lactation	Mild
* Pancreas			
	Note: SLIDE 9A ACTUALLY BLOOD CLOT. GOOD PANCREAS ON SLIDE 9.		
* Prostate		Inflammation	Acute, Moderate
* Seminal Vesicle		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLS = 5-3]		
* Stomach, Forestomach		Ulcer	Marked
	[Ulcer TGLS = 9-5.01]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 12	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 715 HISTO: 890247
----------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1+2-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus Note: NO THYMUS SEEN IN ORIGINAL SLIDE OR RECUT			
Ureter [Hyperplasia TGLS = 4-15]		Hyperplasia	Marked
* Urinary Bladder [Hyperplasia TGLS = 3-9] [Ulcer TGLS = 10-9]	Transit Epithe	Hyperplasia Ulcer	Marked Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 566

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain		Compression	Marked
Ear		Carcinoma	Metastatic (Pituitary Gland)
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 2-4]			
* Liver		Basophilic Focus	
* Lung		Angiectasis	Moderate
[Angiectasis TGLS = 4-2.01]			
* Mammary Gland		Lactation	Marked
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 3-8.01]			
* Salivary Glands		Atrophy	Mild
[Atrophy TGLS = 5-9.1]			
* Spleen		Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 1-3]			
* Testes	Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 717

DOSE: 0 PPM

DISP: Natural Death

HISTO: 890249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland	* Pituitary Gland
-----------------	-------------------

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla [Hemorrhage TGLS = 5-8]		Hemorrhage	Marked
* Bone Marrow		Leukemia Mononuclear	
* Heart [Thrombosis TGLS = 11-13]	Atrium	Cardiomyopathy Thrombosis	Moderate
* Kidney		Nephropathy	Moderate
* Liver [Leukemia Mononuclear TGLS = 4-6+6.01]	Bile Duct	Fatty Change Fibrosis Hyperplasia Leukemia Mononuclear	Marked Focal, Moderate Marked
* Lung [Infiltration Cellular TGLS = 8-2.01] [Leukemia Mononuclear TGLS = 9-3.01]		Infiltration Cellular Leukemia Mononuclear	Histiocyte, Focal, Moderate
Lymph Node [Leukemia Mononuclear TGLS = 10-3,3-8]	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 10-3,3-8]		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 14	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 717 HISTO: 890249
----------------------	--------------------------------------	--	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 10-3,3-8]		Leukemia Mononuclear	
* Pancreas Acinus		Atrophy	Marked
* Pituitary Gland Note: TGL 7. PITUITARY WAS CUT THROUGH AT SECTIONING			
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
* Spleen [Leukemia Mononuclear TGLS = 2-3.02]		Leukemia Mononuclear	
* Stomach, Glandular [Erosion TGLS = 12-5]		Erosion	Marked
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 5-8.01]			
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 6-4]			
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
[Basophilic Focus TGLS = 8-6.01]			
[Leukemia Mononuclear TGLS = 7-6]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
[Infiltration Cellular TGLS = 10-9]			
* Nose		Fungus	Marked
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Moderate
[Inflammation TGLS = 1-10]			
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-3.01]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890250

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

Mucosa

Inflammation

Acute, Moderate

[Inflammation TGLS = 9-5.01]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2+3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Marked
* Intestine Large, Colon		Parasite Metazoan	Marked
* Kidney		Nephropathy	Mild
Note: TGL 4. NO KIDNEY FOCUS SEEN IN ORIGINAL SLIDE OR RECUT			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-6.01]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 3-8]			
* Seminal Vesicle		Atrophy	Moderate
[Atrophy TGLS = 2-14]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus			
Note: NO THYMUS PRESENT IN ORIGINAL SLIDE OR RECUT			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 462

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 8828707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Nose		Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Chronic, Marked
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 276

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Regeneration	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Minimal
* Nose		Inflammation	Chronic, Focal, Mild
		Metaplasia	Squamous, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Mild
* Urinary Bladder		Calculus Micro Observation Only	

[Calculus Micro Observation Only TGLS = 1-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 276

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lymph Node, Mandibular	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Lung	Peribronchial	Inflammation	Chronic, Moderate
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
		Metaplasia	Squamous, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 275

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Inflammation	Chronic, Focal, Mild
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-8.1]			
* Nose		Inflammation	Chronic, Focal, Mild
		Metaplasia	Squamous, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Mild
* Testes	Bilateral, Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 304

DOSE: 0 PPM

DISP: Natural Death

HISTO: 88287021

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Islets, Pancreatic	* Kidney	* Liver	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Intestine Small, Duodenum	* Intestine Small, Jejunum
-----------------------------	----------------------------

OBSERVATIONS

* Lymph Node, Mesenteric	Depletion Lymphoid	Moderate
* Preputial Gland	Inflammation	Chronic, Moderate
* Spleen	Depletion Lymphoid	Mild
* Thymus	Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 463

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 88287022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Mild
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Intermed	Cyst	
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 639

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
		Sarcoma	
[Sarcoma TGLS = 4-4.01+4.02]			
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
Lymph Node	Lymphatic, Mediastinal	Angiectasis	Moderate
[Angiectasis TGLS = 5-2]			
Mesentery	Fat	Hemorrhage	Marked
[Hemorrhage TGLS = 2-15]			
* Pancreas	Acinus	Atrophy	Minimal
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
[Hematopoietic Cell Proliferation TGLS = 3-3]			
* Stomach, Glandular		Erosion	Minimal
[Erosion TGLS = 6-5.1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 639

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890252

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

* Thymus

Note: NO THYMUS SEEN IN ORIGINAL SLIDE OR RECUT

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890253

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Parasite Metazoan	
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 7-6.01]			
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Infiltration Cellular	Histiocyte, Focal, Marked
		Leukemia Mononuclear	
[Infiltration Cellular TGLS = 5-2+3]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Mammary Gland		Lactation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 24	TRT#: 1	SEX: Male	DAY ON TEST: 735
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 890253

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 2-3.01]			
[Leukemia Mononuclear TGLS = 6-3.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890254

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Focal, Mild
[Pheochromocytoma Benign TGLS = 9-8]			
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Depletion Cellular	Mild
[Depletion Cellular TGLS = 4-7]			
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Bile, Marked
[Pigmentation TGLS = 10-4]			
* Liver		Basophilic Focus Developmental Malformation	
	Bile Duct	Hyperplasia Leukemia Mononuclear	Marked
[Basophilic Focus TGLS = 13-6.01]			
[Developmental Malformation TGLS = 12-6.01]			
[Leukemia Mononuclear TGLS = 11-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 25	TRT#: 1	SEX: Male	DAY ON TEST: 735
	DOSE: 0 PPM	DISP: Terminal Sacrifice	HISTO: 890254

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 1-9]		Leukemia Mononuclear	
* Pancreas [Atrophy TGLS = 5-14]	Acinus	Atrophy	Moderate
* Seminal Vesicle [Fibrosis TGLS = 7+8-3.01] [Leukemia Mononuclear TGLS = 6-3.01]		Atrophy	Marked
* Spleen [Fibrosis TGLS = 7+8-3.01] [Leukemia Mononuclear TGLS = 6-3.01]		Fibrosis Leukemia Mononuclear	Moderate
* Stomach, Forestomach [Hyperkeratosis TGLS = 14-5]		Hyperkeratosis	Moderate
* Testes [Adenoma TGLS = 2+3-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 698

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 892889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Prostate	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	Marked
* Heart		Cardiomyopathy	Moderate
		Mineralization	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Mammary Gland		Lactation	Moderate
* Parathyroid Gland		Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Preputial Gland		Abscess	Mild
		Ectasia	Moderate
[Ectasia TGLS = 1-10]			
* Seminal Vesicle		Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6.01]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
[Infiltration Cellular TGLS = 1-9]			
* Lymph Node, Mesenteric	Lymphatic	Angiectasis	Moderate
* Nose		Fungus	Marked
		Hyperplasia	Basal Cell, Marked
* Pancreas	Acinus	Atrophy	Marked
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
* Spleen		Fibrosis	Mild
* Stomach, Glandular		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 4-5.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 276

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea			

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney	Renal Tubule	Regeneration	Mild
* Lung		Hyperplasia	Adenomatous, Mild
	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Preputial Gland		Abscess	Minimal
* Urinary Bladder		Calculus Micro Observation Only	

[Calculus Micro Observation Only TGLS = 1-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 463

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 88287029

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Nose		Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890256

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone		Callus	Marked
[Callus TGLS = 1-15]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Minimal
[Clear Cell Focus TGLS = 5-6.01]		Leukemia Mononuclear	
* Nose		Fungus	Marked
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Cyst	
[Cyst TGLS = 4-10]			
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 6-5.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 3-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890256

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 463

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 88287031

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Lung		Alveolar/Bronchiolar Adenoma	
* Nose		Fungus	Moderate
		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Marked
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3-4]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Nose		Fungus	Marked
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1+2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 275

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Regeneration	Minimal
* Liver		Developmental Malformation	
		Hepatodiaphragmatic Nodule	
	[Developmental Malformation TGLS = 2-3]		
	[Hepatodiaphragmatic Nodule TGLS = 1-3]		
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 391

DOSE: 0 PPM

DISP: Natural Death

HISTO: 88287034

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Rectum
* Kidney	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas	* Pituitary Gland
* Stomach, Glandular	* Urinary Bladder		

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Liver	Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-13]		
* Nose	Inflammation	Chronic, Mild
* Preputial Gland	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 35	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Scheduled Sacrifice	DAY ON TEST: 462 HISTO: 88287035
----------------------	--------------------------------------	--	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Nose		Inflammation	Chronic, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890258

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Benign TGLS = 5-8]		Pheochromocytoma Benign	
* Intestine Large, Cecum [Edema TGLS = 7-5+5.01]		Edema	Moderate
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney [Nephropathy TGLS = 6-4]		Nephropathy	Marked
* Liver		Basophilic Focus	
* Nose		Inflammation	Chronic, Marked
		Inflammation	Acute, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Prostate		Atrophy	Mild
* Seminal Vesicle [Atrophy TGLS = 3-14]		Atrophy	Moderate
* Spleen [Fibrosis TGLS = 4-3.01]		Fibrosis	Marked
* Testes [Adenoma TGLS = 1+2-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890259

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
Eye	Retina	Degeneration	Marked
	[Degeneration TGLS = 7-15]		
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Clear Cell Focus TGLS = 5-6.01]		
	[Leukemia Mononuclear TGLS = 4+6-6]		
* Nose		Fungus	Marked
* Preputial Gland		Abscess	Mild
		Cyst	
	[Cyst TGLS = 8-10]		
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
	[Fibrosis TGLS = 2-3.01]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890259

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-3]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890260

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Marked
		Mineralization	Minimal
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 4-4]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
Lymph Node	Lymphatic, Mediastinal	Angiectasis	Moderate
[Angiectasis TGLS = 7-9,6-3]			
* Lymph Node, Mandibular		Angiectasis	Marked
		Leukemia Mononuclear	
[Angiectasis TGLS = 7-9,6-3]			
* Nose		Fungus	Marked
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 38

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 735
HISTO: 890260

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes
[Adenoma TGLS = 1+2-7]

Bilateral, Interstit Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890261

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver	Lymphatic	Angiectasis	Focal, Marked
		Basophilic Focus	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-6]		
* Lung		Infiltration Cellular	Histiocyte, Focal, Moderate
		Leukemia Mononuclear	
	[Infiltration Cellular TGLS = 7+8-2+2.01]		
Lymph Node	Lymphatic, Mediastinal	Angiectasis	Moderate
	[Angiectasis TGLS = 13-8,10-3]		
* Lymph Node, Mandibular		Angiectasis	Marked
		Leukemia Mononuclear	
	[Angiectasis TGLS = 13-8,10-3]		
* Lymph Node, Mesenteric		Angiectasis	Marked
	[Angiectasis TGLS = 13-8,10-3]		
* Mammary Gland		Lactation	Marked
* Pancreas	Acinus	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890261

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid G1

Note: NO PARATHYROID SEEN ON ORIGINAL SLIDE OR RECUT

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 6-8]

* Skin

Keratoacanthoma

[Keratoacanthoma TGLS = 2-15]

* Spleen

Capsule

Congestion

Focal, Moderate

Fibrosis

Mild

Leukemia Mononuclear

[Congestion TGLS = 4+11-3.01]

[Fibrosis TGLS = 3-3.01]

[Leukemia Mononuclear TGLS = 5-3]

* Testes

Bilateral, Interstit Cell

Hyperplasia

Moderate

[Hyperplasia TGLS = 1-7]

* Thyroid Gland

C Cell

Adenoma

[Adenoma TGLS = 9-2]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 549

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Intestine Large, Colon		Leukemia Mononuclear	
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Necrosis	Focal, Moderate
		Nephropathy	Minimal
[Necrosis TGLS = 8-4.01]			
* Liver		Fatty Change	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-9,5-15,1-9.01,2-8]			
[Leukemia Mononuclear TGLS = 11-9,5-15,1-9.01,2-8]			
[Leukemia Mononuclear TGLS = 11-9,5-15,1-9.01,2-8]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-9,5-15,1-9.01,2-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-9,5-15,1-9.01,2-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 40	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 549 HISTO: 890262
----------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Fungus	Mild
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
* Spleen	Capsule	Fibrosis	Moderate
		Leukemia Mononuclear	
		Necrosis	Focal, Moderate
	[Fibrosis TGLS = 10-3.01]		
	[Leukemia Mononuclear TGLS = 3-3.01]		
	[Necrosis TGLS = 12-3.02]		
* Stomach, Glandular		Erosion	Mild
	[Erosion TGLS = 9-5.1]		
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-3]		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890263

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Marked
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lymph Node, Mesenteric		Angiectasis	Moderate
* Preputial Gland		Ectasia	Marked
[Ectasia TGLS = 1-10]			
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 463

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 88287042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

INSUFFICIENT TISSUE

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Mild
* Liver		Basophilic Focus	
* Nose		Fungus	Marked
		Inflammation	Acute, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890264

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Marked
		Mineralization	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Seminal Vesicle		Atrophy	Marked
* Skin		Squamous Cell Papilloma	
		[Squamous Cell Papilloma TGLS = 1-15]	
* Stomach, Glandular		Hyperplasia	Lymphoid, Mild
		[Hyperplasia TGLS = 3-5.01]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 2-7]	
* Thymus			

Note: NO THYMUS SEEN IN ORIGINAL SLIDE OR RETRIM

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Marked
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Cyst	
[Cyst TGLS = 3-6.01]			
Mesentery		Accessory Spleen	
[Accessory Spleen TGLS = 2-3.01]			
* Nose		Fungus	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Preputial Gland		Abscess	Moderate
* Stomach, Glandular		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 5-5.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890266

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 4-9.1]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Developmental Malformation	
[Developmental Malformation TGLS = 6-6.01]		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
* Nose		Fungus	Marked
* Pancreas	Acinus	Atrophy	Moderate
* Seminal Vesicle		Atrophy	Moderate
* Skin		Fibrosarcoma	
[Fibrosarcoma TGLS = 1-15+15.01]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2+3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 701

DOSE: 0 PPM

DISP: Natural Death

HISTO: 890267

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea		

AUTO PRECLUDES DIAG.

* Kidney	* Urinary Bladder
----------	-------------------

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone		Hyperostosis	Moderate
* Bone Marrow		Hyperplasia	Marked
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Lymphatic, Mediastinal	Angiectasis	Moderate
	Lymphatic, Pancreatic	Angiectasis	Moderate
	Lumbar	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Angiectasis TGLS = 7-8,1-9,8-9.01,12-3]			
[Angiectasis TGLS = 7-8,1-9,8-9.01,12-3]			
[Leukemia Mononuclear TGLS = 11-15,10-15]			
[Leukemia Mononuclear TGLS = 11-15,10-15]			
* Lymph Node, Mandibular		Angiectasis	Moderate
[Angiectasis TGLS = 7-8,1-9,8-9.01,12-3]			
* Lymph Node, Mesenteric		Angiectasis	Marked
[Angiectasis TGLS = 7-8,1-9,8-9.01,12-3]			
* Nose		Fungus	Marked
* Pancreas	Acinus	Atrophy	Mild
* Prostate		Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 46	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 701 HISTO: 890267
----------------------	--------------------------------------	--	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle [Atrophy TGLS = 6-14]		Atrophy	Marked
* Spleen [Fibrosis TGLS = 13-3.01] [Leukemia Mononuclear TGLS = 3-3.01]		Fibrosis Leukemia Mononuclear	Mild
* Stomach, Glandular [Erosion TGLS = 14-5]		Erosion	Minimal
* Testes [Adenoma TGLS = 4+5-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 276

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Minimal
* Nose		Inflammation	Chronic, Focal, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 665

DOSE: 0 PPM

DISP: Natural Death

HISTO: 890268

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Skin
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Depletion Cellular	Moderate
* Heart	Atrium	Leukemia Mononuclear	
		Thrombosis	
	[Leukemia Mononuclear TGLS = 9-13]		
	[Thrombosis TGLS = 8-13]		
* Intestine Small, Ileum		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-5]		
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11+16-2+3]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-8,1-9,7-3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-8,1-9,7-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 12-8,1-9,7-3]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 665

DOSE: 0 PPM

DISP: Natural Death

HISTO: 890268

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Lactation	Mild
* Pancreas	Acinus	Atrophy	Marked
	Vein	Thrombosis	
[Thrombosis TGLS = 13-9.01]			
* Parathyroid Gland			
Note: NO PARATHYROID SEEN IN ORIGINAL SLIDE OR RECUT			
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
* Spleen	Capsule	Fibrosis	Moderate
		Infarct	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 15-3.01]			
[Infarct TGLS = 14-3.01]			
[Leukemia Mononuclear TGLS = 4-3.01]			
* Stomach, Forestomach		Ulcer	Marked
[Ulcer TGLS = 17-5]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 18-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2+3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 275

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Liver | * Lymph Node, Mandibular | * Mammary Gland |
| * Parathyroid Gland | * Pituitary Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | | | |

OBSERVATIONS

- | | | | |
|---------------------------|---------------|---------------------------------|----------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Intestine Large, Rectum | | Parasite Metazoan | |
| * Kidney | Renal Tubule | Regeneration | Minimal |
| * Lung | Peribronchial | Inflammation | Chronic, Mild |
| * Lymph Node, Mesenteric | | Giant Cell | Minimal |
| * Nose | | Inflammation | Chronic, Focal, Mild |
| * Pancreas | Acinus | Atrophy | Mild |
| * Preputial Gland | | Inflammation | Chronic, Focal, Mild |
| * Urinary Bladder | | Calculus Micro Observation Only | |

[Calculus Micro Observation Only TGLS = 1-9.1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 50	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 735 HISTO: 890269
----------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Degeneration Nephropathy	Granular, Mild Minimal
* Liver		Basophilic Focus Leukemia Mononuclear Necrosis	Focal, Moderate
	[Leukemia Mononuclear TGLS = 4-6] [Necrosis TGLS = 8-6]		
* Lung		Infiltration Cellular Leukemia Mononuclear	Histiocyte, Focal, Moderate
	[Infiltration Cellular TGLS = 7-3] [Leukemia Mononuclear TGLS = 5-2+3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
* Parathyroid Gland		Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis Pars Distalis	Angiectasis Cyst	Mild
	[Angiectasis TGLS = 6-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-3.01]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890269

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1+2-7]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 51

TRT#: 1

SEX: Male

DAY ON TEST: 462

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 8828751

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Nose		Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
		[Adenoma TGLS = 1-7]	
		[Atrophy TGLS = 2-7]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 52

TRT#: 1

SEX: Male

DAY ON TEST: 275

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Congestion	Moderate
		Giant Cell	Minimal
[Congestion TGLS = 1-8]			
* Nose		Inflammation	Chronic, Focal, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 53

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890270

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Marked
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 2-4]			
* Liver		Basophilic Focus	
[Leukemia Mononuclear TGLS = 5-6]		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Marked
[Inflammation TGLS = 1-10]			
* Seminal Vesicle		Atrophy	Marked
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3+4-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 54

TRT#: 1

SEX: Male

DAY ON TEST: 594

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890271

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Bone		Hyperostosis	Mild
* Bone Marrow		Hyperplasia	Moderate
* Brain		Hemorrhage	Moderate
[Hemorrhage TGLS = 11-1]			
Ear		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Marked
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Marked
[Leukemia Mononuclear TGLS = 8-6]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-8.01,1-9.01,2-15,9-3]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-8.01,1-9.01,2-15,9-3]	Mediastinal		
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-8.01,1-9.01,2-15,9-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-8.01,1-9.01,2-15,9-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 54	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 594 HISTO: 890271
----------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas [Leukemia Mononuclear TGLS = 10-9]		Leukemia Mononuclear	
* Preputial Gland [Abscess TGLS = 3-10]		Abscess	Moderate
* Prostate		Atrophy	Marked
* Seminal Vesicle		Atrophy	Marked
Spinal Cord		Hemorrhage	Focal, Mild
* Spleen [Leukemia Mononuclear TGLS = 6-3.01]		Leukemia Mononuclear	
* Stomach, Glandular [Erosion TGLS = 12-5]		Erosion	Marked
* Testes [Adenoma TGLS = 4-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 55

TRT#: 1

SEX: Male

DAY ON TEST: 550

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890272

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Bone		Hyperostosis	Mild
* Bone Marrow		Hyperplasia	Marked
* Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Bile, Moderate
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-8]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-8]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Cyst	
	[Cyst TGLS = 6-10]		
* Salivary Glands		Thrombosis	
	[Thrombosis TGLS = 1-9]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3.01]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 55

TRT#: 1

SEX: Male

DAY ON TEST: 550

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890272

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

Animal Note: NO FOCUS IN RECUT. LESION NORMAL MUCOSAL FOLD TGL7

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 56

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890273

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Cyst	
	Bile Duct	Hyperplasia	Moderate
[Cyst TGLS = 9-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15+15.01]			
* Preputial Gland		Hyperplasia	Marked
* Prostate		Dilatation	Marked
[Dilatation TGLS = 5-14]			
* Seminal Vesicle		Dilatation	Marked
[Dilatation TGLS = 6+7-14.01]			
* Skin		Fibrosis	Focal, Marked
[Fibrosis TGLS = 2-16]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 8-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3+4-7]			
* Urinary Bladder		Calculus Micro Observation Only	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 56

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890273

ORGAN AND ACCOUNTABLE SITE STATUS

[Calculus Micro Observation Only TGLS = 10-9.01]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 57

TRT#: 1

SEX: Male

DAY ON TEST: 672

DOSE: 0 PPM

DISP: Natural Death

HISTO: 890274

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Adrenal Medulla	* Bone	* Bone Marrow
-------------------	--------	---------------

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Seminal Vesicle	* Urinary Bladder		

OBSERVATIONS

* Adren Medulla			
Note: NO MEDULLA IN ORIGINAL SLIDE OR RECUT			
* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Heart		Cardiomyopathy	Marked
	Atrium	Thrombosis	
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Moderate
		Leukemia Mononuclear	
[Fatty Change TGLS = 5-6]			
* Lung		Hemorrhage	Focal, Mild
		Leukemia Mononuclear	
[Hemorrhage TGLS = 7-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Minimal
* Nose		Fungus	Marked
* Pancreas		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic, Mild
[Inflammation TGLS = 8-10.1]			
* Prostate		Dilatation	Mild
[Dilatation TGLS = 4-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 57	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 672 HISTO: 890274
----------------------	--------------------------------------	--	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Leukemia Mononuclear	
* Stomach, Glandular [Erosion TGLS = 6-5.01]		Erosion	Moderate
* Testes [Adenoma TGLS = 2+3-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 58

TRT#: 1

SEX: Male

DAY ON TEST: 462

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 88287058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular [Congestion TGLS = 3-9]		Congestion	Moderate
* Nose		Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 59

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890275

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Thymus
-----------------	----------

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 6-6.01]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 4-15]			
* Nose		Fungus	Moderate
* Preputial Gland		Inflammation	Chronic, Mild
[Inflammation TGLS = 5-10]			
* Seminal Vesicle		Atrophy	Moderate
* Skin		Fibrosis	Focal, Marked
		Ulcer	Moderate
[Fibrosis TGLS = 2-10.02]			
[Ulcer TGLS = 1-10.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thymus			
Note: NO THYMUS IN ORIGINAL SLIDE OR RECUT			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 59

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890275

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 60

TRT#: 1

SEX: Male

DAY ON TEST: 735

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890276

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Marked
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 5-6.01]		
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 3-3.01,4-3.02]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1+2-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 61

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890277

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Focal, Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Small, Jejunum		Hyperplasia	Lymphoid, Marked
[Hyperplasia TGLS = 7-6.01]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
[Basophilic Focus TGLS = 9-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
	Peribronchial	Inflammation	Chronic, Moderate
[Alveolar/Bronchiolar Adenoma TGLS = 5-2.01]			
[Inflammation TGLS = 6-2]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 2-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Abscess	Moderate
		Ectasia	Marked
[Ectasia TGLS = 1-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 61

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890277

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle

Atrophy

Mild

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3+4-7]

* Thymus

Note: NO THYMUS SEEN IN ORIGINAL SLIDE OR RECUT

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 8 NO LESION SEEN IN ORIGINAL SLIDE OR RECUT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 62

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890278

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-2+3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-8.01]		
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 5-3.01]		
	[Leukemia Mononuclear TGLS = 1-3.01]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 62

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890278

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 63

TRT#: 1

SEX: Male

DAY ON TEST: 275

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 64

TRT#: 1

SEX: Male

DAY ON TEST: 677

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890279

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Heart	Atrium	Cardiomyopathy	Mild
	[Thrombosis TGLS = 4-13]	Thrombosis	
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Eosinophilic Focus	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
		Necrosis	Focal, Moderate
	[Eosinophilic Focus TGLS = 6-6.02]		
	[Hyperplasia TGLS = 6-6.02]		
* Lung		Infiltration Cellular	Histiocyte, Focal, Marked
		Leukemia Mononuclear	
	[Infiltration Cellular TGLS = 3-2]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3.1]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3.1]		
* Mammary Gland		Lactation	Moderate
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Seminal Vesicle		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 64	TRT#: 1 DOSE: 0 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 677 HISTO: 890279
----------------------	--------------------------------------	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Infarct Leukemia Mononuclear	Marked
[Infarct TGLS = 1+5-3.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus			
Note: TGL 2. THYMIC NODULES ARE MEDIASTINAL LYMPH NODES			
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 65

TRT#: 1

SEX: Male

DAY ON TEST: 612

DOSE: 0 PPM

DISP: Natural Death

HISTO: 890280

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
* Thyroid Gland	* Trachea		

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Stomach, Forestomach	* Stomach, Glandular
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Marked
	Atrium	Thrombosis	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Nose		Fungus	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Preputial Gland		Ectasia	Moderate
* Spleen		Fibrosis	Marked
		Hemangiosarcoma	
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-3.02]			
[Hemangiosarcoma TGLS = 2-3.02]			
[Leukemia Mononuclear TGLS = 1-3.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 65

TRT#: 1

SEX: Male

DAY ON TEST: 612

DOSE: 0 PPM

DISP: Natural Death

HISTO: 890280

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 66

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890281

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Pancreas	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Angiectasis	Mild
[Angiectasis TGLS = 7-2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
* Parathyroid Gland		Ectopic Thymus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			
* Preputial Gland		Ectasia	Marked
[Ectasia TGLS = 8-10]			
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLS = 3-14]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1+2-7]			
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 5-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 66

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890281

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 67

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890282

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Artery	Inflammation	Chronic, Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 4-6]			
[Clear Cell Focus TGLS = 5-6.01]			
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Abscess	Moderate
[Abscess TGLS = 1-10]			
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2+3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 68

TRT#: 1

SEX: Male

DAY ON TEST: 635

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890283

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Mammary Gland	* Prostate	* Seminal Vesicle	* Urinary Bladder
-----------------	------------	-------------------	-------------------

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Hyperplasia	Marked
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Fatty Change TGLS = 6-6.01]			
[Leukemia Mononuclear TGLS = 7-6.02]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Angiectasis	Marked
		Leukemia Mononuclear	
[Angiectasis TGLS = 4-8]			
* Pancreas	Acinus	Atrophy	Marked
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-3.02]			
[Leukemia Mononuclear TGLS = 2+3-3.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 68

TRT#: 1
DOSE: 0 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 635
HISTO: 890283

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 1-7]

Seminif Tub

Atrophy

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 69

TRT#: 1

SEX: Male

DAY ON TEST: 677

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890284

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Lymphatic	Angiectasis	Focal, Moderate
	Bile Duct	Fatty Change	Moderate
		Hyperplasia	Moderate
		Leukemia Mononuclear	
[Fatty Change TGLS = 3-6]			
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Erosion	Minimal
[Erosion TGLS = 4-5.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 70

TRT#: 1

SEX: Male

DAY ON TEST: 736

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890285

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Adenoma	
	[Adenoma TGLS = 1-10]		
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 275

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 872124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
		Metaplasia	Squamous, Mild
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Focal, Mild
* Testes	Bilateral, Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Epididymis		Depletion Cellular	Moderate
[Depletion Cellular TGLS = 3-7]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Moderate
[Basophilic Focus TGLS = 6-6.01,8-6.02]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLS = 4-14]			
* Spleen		Infarct	Moderate
[Infarct TGLS = 7-3.01]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1+2-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893107

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

Follicle

Cyst

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893108

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Focal, Mild
		Basophilic Focus	
		Cyst	
	Bile Duct	Dilatation	Marked
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Angiectasis TGLS = 6-6.02]			
[Basophilic Focus TGLS = 5-6.01]			
[Cyst TGLS = 7-6.03]			
* Nose		Fungus	Moderate
		Hyperkeratosis	Marked
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Seminal Vesicle		Dilatation	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3.1.1]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893108

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1+2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 315

DOSE: 100 PPM

DISP: Natural Death

HISTO: 88287074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Small, Duodenum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Urinary Bladder			

INSUFFICIENT TISSUE

* Parathyroid Gland

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	Mild
* Lung		Congestion	Moderate
[Congestion TGLS = 1-2]			
* Nose		Fungus	Marked
		Inflammation	Acute, Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 463

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 88287075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Moderate
* Kidney		Nephropathy	Mild
* Nose		Fungus	Moderate
		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 462

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 88287076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Abscess	Mild
		Cyst	
		Inflammation	Chronic, Mild
[Cyst TGLS = 1-10]			
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone		Hyperostosis	Mild
* Heart		Cardiomyopathy	Marked
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5-6.01]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-16+16.01]		Lactation	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Moderate
[Atrophy TGLS = 4-14]			
* Skin	Hair Follicle	Cyst	
[Cyst TGLS = 1-15]			
* Stomach, Glandular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 6-5.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 717

DOSE: 100 PPM

DISP: Natural Death

HISTO: 893110

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Preputial Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum
--------------------------	--------------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney	Medulla	Casts	
		Nephropathy	Minimal
		[Casts TGLS = 6-4]	
* Liver		Basophilic Focus	
		Fatty Change	Minimal
		Necrosis	Focal, Mild
* Mammary Gland		Lactation	Minimal
* Preputial GI			
		Note: TGL 5. NO PREPUTIAL GLANDS OR MASS FOUND AT TRIMMING.	
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Marked
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Infarct	Mild
		[Hematopoietic Cell Proliferation TGLS = 3-3]	
		[Infarct TGLS = 4-3]	
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 717

DOSE: 100 PPM

DISP: Natural Death

HISTO: 893110

ORGAN AND ACCOUNTABLE SITE STATUS

Seminif Tub

Atrophy

Marked

[Adenoma TGLS = 2-7]

[Atrophy TGLS = 1-7]

* Thyroid Gland

Ultimobranchial Cyst

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
Lymph Node	Lymphatic, Mediastinal	Angiectasis	Moderate
[Angiectasis TGLS = 5-3]			
* Mammary Gland		Lactation	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Preputial Gland		Inflammation	Acute, Mild
* Seminal Vesicle		Atrophy	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1+2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 4-8.01]			
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Jejunum		Hyperplasia	Lymphoid, Marked
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Focal, Mild
		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Mild
		Leukemia Mononuclear	
[Angiectasis TGLS = 8-6]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 6-2]			
Lymph Node	Lymphatic, Pancreatic	Angiectasis	Marked
	Mediastinal	Leukemia Mononuclear	
[Angiectasis TGLS = 9-9]			
[Leukemia Mononuclear TGLS = 5-3]			
* Lymph Node, Mandibular		Angiectasis	Moderate
[Angiectasis TGLS = 9-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 80	TRT#: 3 DOSE: 100 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO: 893112
----------------------	--	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Atrophy	Marked
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 7-3.02]		
	[Leukemia Mononuclear TGLS = 3-3.01]		
* Stomach, Glandular		Hyperplasia	Lymphoid, Moderate
	[Hyperplasia TGLS = 10-5.01]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1+2-7]		
* Thymus			
	Note: NO THYMUS SEEN ON ORIGINAL SLIDE OR RECUT		

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 463

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 88287081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Nose		Fungus	Marked
		Inflammation	Acute, Marked
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Abscess	Mild
		Inflammation	Chronic, Moderate
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 275

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 872125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Inflammation	Chronic, Focal, Minimal
* Kidney	Renal Tubule	Regeneration	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Minimal
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3-4]			
* Liver		Angiectasis	Focal, Moderate
[Angiectasis TGLS = 4-6.01]		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
* Lymph Node, Mesenteric	Lymphatic	Angiectasis	Marked
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Marked
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 2-3.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

Eye

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
Eye			
Note: TGL 7 EYE NOT FOUND AT TRIMMING			
* Heart		Cardiomyopathy	Mild
	Atrium	Dilatation	Marked
	Ventricle	Dilatation	Marked
[Dilatation TGLS = 5-13,6-13]			
[Dilatation TGLS = 5-13,6-13]			
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 8-6+6.01]			
* Pancreas	Acinus	Atrophy	Moderate
* Preputial Gland		Inflammation	Acute, Moderate
* Prostate		Dilatation	Mild
[Dilatation TGLS = 2-14]			
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Fibrosis	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 84	TRT#: 3 DOSE: 100 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO: 893114
----------------------	--	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 4-3.01]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 463

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 88287085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Nose		Fungus	Moderate
		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Moderate
* Testes	Interstitial Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Focal, Moderate
		Basophilic Focus	
		Clear Cell Focus	
[Angiectasis TGLS = 2-6+6.01]			
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 3-9.01]			
* Lymph Node, Mesenteric	Lymphatic	Angiectasis	Marked
* Nose		Inflammation	Acute, Mild
* Pancreas	Acinus	Hyperplasia	Focal, Moderate
* Seminal Vesicle		Atrophy	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lymph Node, Mandibular		Angiectasis	Moderate
* Mammary Gland		Lactation	Minimal
* Nose		Fungus	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Abscess	Moderate
[Abscess TGLS = 1-10]			
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 3-3.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	Follicle	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Focal, Mild
		Basophilic Focus	
		Developmental Malformation	
[Basophilic Focus TGLS = 6-6.01]			
[Developmental Malformation TGLS = 4-6.01]			
* Lung	Pleura	Inflammation	Chronic, Focal, Mild
[Inflammation TGLS = 5-3]			
Lymph Node	Mediastinal	Granuloma	Marked
[Granuloma TGLS = 7-3]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
[Infiltration Cellular TGLS = 1-9]			
Pharynx	Palate	Inflammation	Chronic, Moderate
* Salivary Glands		Hyperplasia	Moderate
* Seminal Vesicle		Atrophy	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2+3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland	* Thyroid Gland
---------------------	-----------------

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	Marked
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 3-6]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLS = 2-14]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-3.01]			
[Leukemia Mononuclear TGLS = 4-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 276

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 872126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Liver | * Lymph Node, Mandibular | * Mammary Gland | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---------------|---------------------------------|----------------------|
| * Lung | Peribronchial | Inflammation | Chronic, Mild |
| * Lymph Node, Mesenteric | | Giant Cell | Minimal |
| * Nose | | Inflammation | Chronic, Focal, Mild |
| * Preputial Gland | | Inflammation | Chronic, Focal, Mild |
| * Urinary Bladder | | Calculus Micro Observation Only | |

[Calculus Micro Observation Only TGLS = 1-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Marked
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6.01]			
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLS = 2-14]			
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 3-3.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 639

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Nose	* Pituitary Gland	
-----------------	--------	-------------------	--

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Moderate
		Leukemia Mononuclear	
* Intestine Large, Cecum		Hyperplasia	Lymphoid, Marked
[Hyperplasia TGLS = 11-5]			
* Intestine Large, Colon		Parasite Metazoan	Mild
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Cyst	
	Renal Tubule	Degeneration	Granular, Mild
[Cyst TGLS = 12-4.1]			
* Liver		Angiectasis	Focal, Mild
		Basophilic Focus	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
[Angiectasis TGLS = 10-6.01]			
[Basophilic Focus TGLS = 9-6]			
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-2+3]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-9.01,6-3.02]			
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 92	TRT#: 3	SEX: Male	DAY ON TEST: 639
	DOSE: 100 PPM	DISP: Moribund Sacrifice	HISTO: 893120

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-9.01,6-3.02]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-9.01,6-3.02]			
Mesentery		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-15+15.01]			
* Pancreas		Leukemia Mononuclear	
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Marked
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 429

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 88287093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-13]			
* Nose		Fungus	Marked
		Inflammation	Acute, Marked
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Fibrosis	Minimal
[Fibrosis TGLS = 1-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
	Artery	Inflammation	Chronic, Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 4-6.01]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 3-8]			
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1+2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 676

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hemorrhage Pheochromocytoma Benign	Marked
	[Hemorrhage TGLS = 5-8.01]		
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Bile, Moderate
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Hepatocellular Adenoma	
		Leukemia Mononuclear	
	[Hepatocellular Adenoma TGLS = 14-6.01]		
	[Leukemia Mononuclear TGLS = 6+13-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-9.01,7-8,8-3]		
	[Leukemia Mononuclear TGLS = 11-9.01,7-8,8-3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-9.01,7-8,8-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 95	TRT#: 3 DOSE: 100 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 676 HISTO: 893122
----------------------	--	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 11-9.01,7-8,8-3]			
* Nose		Fungus	Marked
* Pancreas		Angiectasis	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-8]			
* Seminal Vesicle		Atrophy	Mild
* Spleen		Fibrosis	Moderate
		Infarct	Moderate
		Leukemia Mononuclear	
[Infarct TGLS = 1-3.02]			
[Leukemia Mononuclear TGLS = 2-3.01]			
* Stomach, Glandular		Erosion	Marked
[Erosion TGLS = 12-5.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3+4-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 650

DOSE: 100 PPM

DISP: Natural Death

HISTO: 893123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Epididymis
* Pancreas
* Prostate
* Stomach, Forestomach

* Adrenal Medulla
* Esophagus
* Parathyroid Gland
* Salivary Glands
* Thymus

* Bone
* Intestine Small, Duodenum
* Pituitary Gland
* Seminal Vesicle
* Thyroid Gland

* Brain
* Islets, Pancreatic
* Preputial Gland
* Skin
* Trachea

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum
* Intestine Small, Jejunum

* Intestine Large, Colon
* Urinary Bladder

* Intestine Large, Rectum

* Intestine Small, Ileum

OBSERVATIONS

* Bone Marrow
* Heart
* Kidney
* Liver

Hyperplasia
Cardiomyopathy
Glomerulosclerosis
Infarct
Leukemia Mononuclear
Thrombosis

Marked
Minimal
Moderate
Marked

[Infarct TGLS = 12-6.01]

[Leukemia Mononuclear TGLS = 11-6]

* Lung

Lymph Node

Lymphatic, Pancreatic
Mediastinal
Pancreatic

Leukemia Mononuclear
Angiectasis
Leukemia Mononuclear
Leukemia Mononuclear

Moderate

[Angiectasis TGLS = 5-9.01]

[Leukemia Mononuclear TGLS = 4-9.01,1-9,3-3]

[Leukemia Mononuclear TGLS = 4-9.01,1-9,3-3]

* Lymph Node, Mandibular

[Leukemia Mononuclear TGLS = 4-9.01,1-9,3-3]

Leukemia Mononuclear

* Lymph Node, Mesenteric

[Leukemia Mononuclear TGLS = 4-9.01,1-9,3-3]

Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 96	TRT#: 3 DOSE: 100 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 650 HISTO: 893123
----------------------	--	--	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Fungus	Marked
* Spleen		Fibrosis	Moderate
		Infarct	Marked
		Leukemia Mononuclear	
		Thrombosis	
	[Fibrosis TGLS = 9-3.04]		
	[Infarct TGLS = 7+8-3.02+3.03]		
	[Leukemia Mononuclear TGLS = 2-3.01]		
	[Thrombosis TGLS = 6-3.01]		
* Stomach, Glandular		Erosion	Moderate
	[Erosion TGLS = 10-5.01]		
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 276

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 872127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Regeneration	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 675

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893124

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Marked
[Hemorrhage TGLS = 6+7-1]			
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Bile, Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5+10-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-3]			
* Pancreas	Acinus	Atrophy	Marked
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 98	TRT#: 3 DOSE: 100 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 675 HISTO: 893124
----------------------	--	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular [Erosion TGLS = 9-5.01]		Erosion	Moderate
* Testes [Adenoma TGLS = 2-7] [Atrophy TGLS = 1-7]	Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
* Urinary Bladder [Hemorrhage TGLS = 4-9]		Hemorrhage	Mild

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 687

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893125

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Preputial Gland	* Salivary Glands
* Skin	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Colon		Parasite Metazoan	Marked
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
[Leukemia Mononuclear TGLS = 8-4,9-4.01]			
* Liver		Angiectasis	Focal, Mild
		Basophilic Focus	
		Leukemia Mononuclear	
[Angiectasis TGLS = 15-6.01]			
[Leukemia Mononuclear TGLS = 10-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-3.02,7-8.01,1-9.02,5-9.01]			
[Leukemia Mononuclear TGLS = 11-3.02,7-8.01,1-9.02,5-9.01]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-3.02,7-8.01,1-9.02,5-9.01]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-3.02,7-8.01,1-9.02,5-9.01]			
* Mammary Gland		Lactation	Mild
Mesentery		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-15]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 687

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893125

ORGAN AND ACCOUNTABLE SITE STATUS

* Nose		Fungus	Marked
* Pancreas		Leukemia Mononuclear	
* Parathyroid Gland		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 12-8]			
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Atrophy	Mild
* Spleen		Infarct	Marked
[Leukemia Mononuclear TGLS = 6-3.01]			
* Stomach, Forestomach		Ulcer	Marked
[Ulcer TGLS = 14-5.01]			
* Stomach, Glandular		Erosion	Minimal
[Erosion TGLS = 13-5.01]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Moderate
[Adenoma TGLS = 3-7]			
[Atrophy TGLS = 2-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 276

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 872128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Intestine Large, Cecum		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Regeneration	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Testes	Seminif Tub	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 101

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893126

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
Eye		Cataract	Mild
[Cataract TGLS = 1-15]			
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Cecum		Lipoma	
[Lipoma TGLS = 6-5.01]			
* Intestine Large, Colon		Parasite Metazoan	Marked
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 7-6.01]	Bile Duct	Hyperplasia	Moderate
Lymph Node	Lymphatic, Pancreatic	Angiectasis	Moderate
[Angiectasis TGLS = 8-9.01]			
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 5-8]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 2-10.01]			
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Moderate
[Atrophy TGLS = 4-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 101

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893126

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 102

TRT#: 3

SEX: Male

DAY ON TEST: 463

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 88287102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mediastinal	Congestion	Moderate
[Congestion TGLS = 1-13]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-14]			
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Prostate		Inflammation	Focal, Moderate
[Inflammation TGLS = 5-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			
* Thymus		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 2-3]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 103

TRT#: 3

SEX: Male

DAY ON TEST: 276

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 872129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Inflammation	Chronic, Focal, Minimal
* Kidney		Nephropathy	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 104

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893127

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Marked
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lymph Node, Mesenteric		Angiectasis	Moderate
[Angiectasis TGLS = 6-8]			
* Mammary Gland		Lactation	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-10.01]			
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2+3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 105

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893128

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
		Pheochromocytoma Benign	
Eye	Retina	Degeneration	Moderate
[Degeneration TGLS = 7-15]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 8-4]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
[Basophilic Focus TGLS = 12-6+6.01]		Leukemia Mononuclear	
[Hyperplasia TGLS = 4-6.01]			
[Leukemia Mononuclear TGLS = 5-6+6.01]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-8,3-9]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-8,3-9]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-8,3-9]			
* Mammary Gland		Lactation	Minimal
* Pancreas			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 105

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893128

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL 3 PANCREATIC NODULES ARE LYMPH NODES

* Pituitary Gland [Hyperplasia TGLS = 6-8]	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland [Cyst TGLS = 9-10]		Cyst	
* Seminal Vesicle [Atrophy TGLS = 10-14]		Atrophy	Marked
* Skin [Keratoacanthoma TGLS = 1-16.1]		Keratoacanthoma	
* Spleen		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 106

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Moderate
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 3-8]			
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Cecum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2-4]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-6]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			
* Preputial Gland		Cyst	
[Cyst TGLS = 4-10]			
* Seminal Vesicle		Atrophy	Marked
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 107

TRT#: 3

SEX: Male

DAY ON TEST: 463

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 88287107

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Nose		Fungus	Moderate
		Inflammation	Acute, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 108

TRT#: 3

SEX: Male

DAY ON TEST: 275

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 872130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Liver |
| * Lymph Node, Mandibular | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Testes | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---------------|--------------|--------------------------|
| * Heart | | Inflammation | Chronic, Focal, Minimal |
| * Lung | Peribronchial | Inflammation | Chronic, Minimal |
| * Lymph Node, Mesenteric | | Giant Cell | Minimal |
| * Nose | | Inflammation | Chronic, Focal, Minimal |
| * Preputial Gland | | Inflammation | Chronic, Focal, Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 109

TRT#: 3

SEX: Male

DAY ON TEST: 724

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893130

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Brain		Hemorrhage	Marked
[Hemorrhage TGLS = 12-1+1.01]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 11-6]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3]			
* Lymph Node, Mesenteric		Angiectasis	Marked
[Angiectasis TGLS = 6-8.01]			
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid GI			
Note: TGL 8 ENLARGED PARATHYROID IS ACTUALLY THYROID TUMOR			
* Preputial Gland		Ectasia	Moderate
		Inflammation	Acute, Mild
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 109

TRT#: 3

SEX: Male

DAY ON TEST: 724

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893130

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 4-3.01]

[Leukemia Mononuclear TGLS = 3+5-3.01]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1+2-7]

* Thyroid Gland

Follicular Cel

Carcinoma

[Carcinoma TGLS = 7,8-2,2.1]

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 9 NO PANCREATIC LYMPH NODES FOUND.IN RECUT OR ORIGINAL

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 110

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Adrenal Cortex	* Adrenal Medulla
------------------	-------------------

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
* Lung			
Note: TGL 5 NO NODULE SEEN IN ORIGINAL SLIDES OR RECUT			
* Mammary Gland		Lactation	Minimal
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 4-15]			
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Acute, Mild
* Seminal Vesicle		Atrophy	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2+3-7]			

PRIMARY CAUSE OF DEATH

-

Animal Note: NO ADRENALS FOUND AT TRIMMING

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 111

TRT#: 3

SEX: Male

DAY ON TEST: 463

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 88287111

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Nose		Inflammation	Chronic, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7+3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 112

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Marked
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 7-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-9.01]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-9.01]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-9.01]			
* Mammary Gland		Lactation	Minimal
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Basal Cell Adenoma	
		Fibroma	
[Basal Cell Adenoma TGLS = 1-16]			
[Fibroma TGLS = 2-15]			
* Spleen		Fibrosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 112

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893132

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 5-3.01]

[Leukemia Mononuclear TGLS = 4-3+3.01]

* Testes

Bilateral, Interstit Cell

[Adenoma TGLS = 3-7]

Leukemia Mononuclear

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 113

TRT#: 3

SEX: Male

DAY ON TEST: 463

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 88287113

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Granuloma	Moderate
	Bile Duct	Hyperplasia	Minimal
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Inflammation	Chronic, Focal, Mild
* Preputial Gland		Inflammation	Chronic, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 114

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Lactation	Minimal
* Nose		Fungus	Marked
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hemorrhage	Marked
[Hemorrhage TGLS = 3-8]			
* Seminal Vesicle		Atrophy	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1+2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 115

TRT#: 3

SEX: Male

DAY ON TEST: 462

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 88287115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	[Hepatodiaphragmatic Nodule TGLS = 1-13]		
* Nose		Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 116

TRT#: 3

SEX: Male

DAY ON TEST: 43

DOSE: 100 PPM

DISP: Accidentally Killed

HISTO: 870961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Liver | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Testes |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--------------------------------------|--|------------|---------------|
| * Brain | | | |
| Note: 051500100116 | | | |
| * Heart | | | |
| Note: 50515001001164ACCIDENTAL DEATH | | | |
| * Lung | | Hemorrhage | Focal, Marked |
| [Hemorrhage TGLS = 3-2,5-2] | | | |
| * Spleen | | Congestion | Moderate |
| * Thymus | | Hemorrhage | Focal, Mild |
| [Hemorrhage TGLS = 2-2.1] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 117

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lymph Node	Lymphatic, Mediastinal	Angiectasis	Mild
	Mediastinal	Pigmentation	Moderate
		[Angiectasis TGLS = 5-3.1]	
* Preputial Gland		Cyst	
		[Cyst TGLS = 3+4-10]	
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 1+2-7]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 118

TRT#: 3

SEX: Male

DAY ON TEST: 275

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 872131

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Inflammation	Chronic, Focal, Minimal
* Kidney	Renal Tubule	Regeneration	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Preputial Gland		Abscess	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 119

TRT#: 3

SEX: Male

DAY ON TEST: 734

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Islets, Pancreatic		Carcinoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Nose		Fungus	Marked
* Preputial Gland		Cyst	
[Cyst TGLS = 2-10]			
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Marked
* Skin		Acanthosis	Moderate
[Acanthosis TGLS = 1-15]			
* Spleen		Fibrosis	Marked
[Fibrosis TGLS = 5-3.01]		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3+4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 120

TRT#: 3

SEX: Male

DAY ON TEST: 276

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 872132

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Inflammation	Chronic, Focal, Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Minimal
* Nose		Inflammation	Chronic, Focal, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 121

TRT#: 3

SEX: Male

DAY ON TEST: 276

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 872133

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lymph Node, Mandibular
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Inflammation	Chronic, Focal, Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 122

TRT#: 3

SEX: Male

DAY ON TEST: 533

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Leukemia Mononuclear	
* Kidney	Renal Tubule	Degeneration	Granular, Moderate
		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6+6.01]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-2+3]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-3,1-9,2-9,6-8]		
	[Leukemia Mononuclear TGLS = 7-3,1-9,2-9,6-8]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-3,1-9,2-9,6-8]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-3,1-9,2-9,6-8]		
* Mammary Gland		Lactation	Minimal
* Nose		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Congestion	Mild
		Infarct	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 122

TRT#: 3

SEX: Male

DAY ON TEST: 533

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893136

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear

[Congestion TGLS = 10-3.03]

[Infarct TGLS = 4-3.02]

[Leukemia Mononuclear TGLS = 3-3.01]

* Testes

Bilateral, Interstit Cell

Adenoma

Hemorrhage

Focal, Marked

[Hemorrhage TGLS = 9-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 123

TRT#: 3

SEX: Male

DAY ON TEST: 650

DOSE: 100 PPM

DISP: Natural Death

HISTO: 893137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thymus	* Thyroid Gland	* Trachea

MISSING

* Epididymis	* Mammary Gland	* Preputial Gland	* Testes
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Adrenal Medulla	* Intestine Large, Rectum	* Intestine Small, Ileum
-------------------	---------------------------	--------------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Brain			
Note: TESTES, EPIDID, BLADDER AND PREPUTIALS CANNIBALIZED			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	Moderate
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 1-4]			
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Nose		Fungus	Marked
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Infarct	Mild
[Infarct TGLS = 2-3.01]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 3-5.01.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 124

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
[Basophilic Focus TGLS = 3-6.01]			
* Pancreas	Acinus	Atrophy	Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 2-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 125

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	Marked
* Intestine Large, Colon		Parasite Metazoan	Mild
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Cyst	
		Nephropathy	Marked
			[Cyst TGLS = 3-4.01]
			[Nephropathy TGLS = 2-4]
* Liver		Basophilic Focus	
		Clear Cell Focus	
			[Basophilic Focus TGLS = 4-6+6.01]
* Mammary Gland		Lactation	Mild
* Nose		Fungus	Marked
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Adenoma	
* Testes	Bilateral, Interstit Cell	Adenoma	
			[Adenoma TGLS = 5-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 126

TRT#: 3

SEX: Male

DAY ON TEST: 547

DOSE: 100 PPM

DISP: Natural Death

HISTO: 893140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Preputial Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Liver		Atrophy	Mild
		Basophilic Focus	
[Atrophy TGLS = 4-6]			
* Mammary Gland		Lactation	Mild
* Pancreas	Acinus	Hyperplasia	Focal, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 1-8]			
[Angiectasis TGLS = 2-8]			
* Preputial GI			
Note: PREPUTIAL GL NOT FOUND AT AUTOPSY OR TRIMMING			
* Seminal Vesicle		Dilatation	Moderate
[Dilatation TGLS = 3-14]			
* Spleen	Capsule	Fibrosis	Minimal
		Hematopoietic Cell Proliferation	Moderate
[Fibrosis TGLS = 6-3.1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 126

TRT#: 3
DOSE: 100 PPM

SEX: Male
DISP: Natural Death

DAY ON TEST: 547
HISTO: 893140

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate

Note: TGL 5 TESTES APPEAR SMALL BECAUSE OF NORMAL SIZE

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 127

TRT#: 3

SEX: Male

DAY ON TEST: 623

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Thymus
-----------------	----------

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-6]			
* Lymph Node, Mandibular		Congestion	Marked
* Lymph Node, Mesenteric		Depletion Lymphoid	Marked
* Nose		Fungus	Marked
	Respirat Epith	Necrosis	Marked
* Salivary Glands		Atrophy	Mild
[Atrophy TGLS = 5-9]			
* Seminal Vesicle		Atrophy	Moderate
[Atrophy TGLS = 3-14]			
* Skin		Sarcoma	
[Sarcoma TGLS = 1-15,15.1,15.2]			
* Spleen		Depletion Lymphoid	Marked
[Depletion Lymphoid TGLS = 4-3]			
* Stomach, Glandular	Submucosa	Fibrosis	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thymus			

Note: NO THYMUS SEEN IN ORIGINAL SLIDE OR RECUT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 127

TRT#: 3

SEX: Male

DAY ON TEST: 623

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893141

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 128

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver	Lymphatic	Angiectasis	Focal, Moderate
		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Inflammation	Granulomatous, Focal, Moderate
[Inflammation TGLS = 1-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2+3-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 129

TRT#: 3

SEX: Male

DAY ON TEST: 462

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 88287129

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Nose		Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 130

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Bone		Hyperostosis	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6.1]			
* Preputial Gland		Inflammation	Acute, Moderate
* Skin		Fibroma	
[Fibroma TGLS = 1-15.01]			
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 3-3.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 131

TRT#: 3

SEX: Male

DAY ON TEST: 600

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

Blood		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-15]			
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Marked
[Leukemia Mononuclear TGLS = 6-6]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8.01,8-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8.01,8-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8.01,8-3]			
* Mammary Gland		Lactation	Minimal
Mesentery	Fat	Necrosis	Moderate
* Nose		Fungus	Marked
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Stomach, Forestomach		Inflammation	Chronic, Focal, Minimal
[Inflammation TGLS = 9-5.01.1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 131

TRT#: 3
DOSE: 100 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 600
HISTO: 893144

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 2+3-7]	Bilateral, Interstit Cell	Adenoma
* Thyroid Gland	C Cell	Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 132

TRT#: 3

SEX: Male

DAY ON TEST: 596

DOSE: 100 PPM

DISP: Natural Death

HISTO: 893145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Urinary Bladder
--------------------------	--------------------------	-------------------

OBSERVATIONS

* Islets, Pancreatic [Carcinoma TGLS = 3-9.01]		Carcinoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Nose		Fungus	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
* Preputial Gland [Ectasia TGLS = 1-10]		Ectasia	Mild
* Spleen [Depletion Lymphoid TGLS = 2-3]		Depletion Lymphoid	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 133

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-4]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 6-6]	Bile Duct	Hyperplasia	Mild
* Lymph Node, Mesenteric		Angiectasis	Marked
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLS = 2-14]			
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 1-3.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3+4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 134

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland	* Thymus
---------------------	----------

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Intestine Large, Rectum		Parasite Metazoan	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-10.01]			
* Pancreas	Artery	Inflammation	Chronic, Moderate
[Inflammation TGLS = 2-8+9+9.01]			
* Parathyroid Gl			
Note: NO PARATHYROID IN ORIGINAL SLIDE OR RECUT			
* Seminal Vesicle		Atrophy	Marked
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus			
Note: NO THYMUS IN ORIGINAL SLIDE OR RECUT			

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 2 PANCREATIC LN ARE ACTUALLY SWOLLEN ARTERY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 135

TRT#: 3

SEX: Male

DAY ON TEST: 409

DOSE: 100 PPM

DISP: Natural Death

HISTO: 88287135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Int Lg Cecum			
Note: CECUM TOO AUTOLYZED TO IDENTIFY LESION TGL-2			
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Moderate
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Preputial Gland		Inflammation	Chronic, Moderate
* Seminal Vesicle		Dilatation	Mild
[Dilatation TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 136

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Angiectasis	Moderate
* Lymph Node, Mesenteric [Angiectasis TGLS = 3-8]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 1+2-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 137

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-6+6.01]			
[Hepatodiaphragmatic Nodule TGLS = 4-6.01]			
* Pancreas	Acinus	Atrophy	Marked
* Seminal Vesicle		Atrophy	Moderate
* Skin		Fibroma	
[Fibroma TGLS = 1-15]			
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate
[Adenoma TGLS = 2-7]			
[Hyperplasia TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 138

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Marked
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Marked
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Lymphatic, Pancreatic	Angiectasis	Moderate
	Pancreatic	Leukemia Mononuclear	
[Angiectasis TGLS = 5-9.01,4-8]			
* Lymph Node, Mesenteric		Angiectasis	Marked
		Leukemia Mononuclear	
[Angiectasis TGLS = 5-9.01,4-8]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-15]			
* Pancreas	Acinus	Atrophy	Marked
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 138

TRT#: 3
DOSE: 100 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 735
HISTO: 893150

ORGAN AND ACCOUNTABLE SITE STATUS

Seminif Tub
Interstit Cell

Atrophy
Hyperplasia

Marked
Moderate

[Adenoma TGLS = 1-7]

[Atrophy TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 139

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Epididymis		Depletion Cellular	Mild
[Depletion Cellular TGLS = 4-7]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 9-6]			
[Leukemia Mononuclear TGLS = 8-6]			
* Pancreas	Acinus	Atrophy	Marked
* Seminal Vesicle		Atrophy	Moderate
[Atrophy TGLS = 5-14]			
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-15]			
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
[Fibrosis TGLS = 7-3.01]			
[Leukemia Mononuclear TGLS = 6-3.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 139

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893151

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2+3-7]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 140

TRT#: 3

SEX: Male

DAY ON TEST: 735

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Bone Marrow		Hyperplasia	Marked
Eye	Retina	Degeneration	Marked
[Degeneration TGLS = 1-15]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Adenoma	
[Adenoma TGLS = 11-4]		Nephropathy	Marked
[Nephropathy TGLS = 7-4]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatocellular Adenoma	
	Bile Duct	Hyperplasia	Marked
[Basophilic Focus TGLS = 12-6.01]		Leukemia Mononuclear	
[Hepatocellular Adenoma TGLS = 9,10-6,6.1]			
[Leukemia Mononuclear TGLS = 8-6+6.01]			
Lymph Node	Inguinal, Lymphatic	Angiectasis	Moderate
[Angiectasis TGLS = 2-10.2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Acute, Minimal
* Pancreas	Acinus	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:03
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 140

TRT#: 3
DOSE: 100 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 735
HISTO: 893152

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland		Hyperplasia	Focal, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
[Fibrosis TGLS = 6-3]			
[Leukemia Mononuclear TGLS = 5-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 275

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 872114

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Skin
-----------------	--------

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Focal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Pancreas
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Marked
* Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Bile, Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lymph Node	Lymphatic, Renal	Angiectasis	Moderate
	Renal	Pigmentation	Marked
	[Angiectasis TGLS = 5-15]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
* Nose		Fungus	Marked
* Parathyroid Gl			
	Note: NO PARATHYROID IN ORIGINAL SLIDE OR RECUT		
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Marked
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
	[Fibrosis TGLS = 4-3]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893060

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-3+3.01]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1+2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver	Lymphatic	Angiectasis	Focal, Moderate
	Bile Duct	Basophilic Focus	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 9-6]			
[Leukemia Mononuclear TGLS = 8-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-9]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-9]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-9]			
Mesentery	Fat	Necrosis	Moderate
	Fat	Necrosis	Moderate
[Necrosis TGLS = 5,6-15,16]			
* Pancreas	Acinus	Atrophy	Moderate
* Preputial Gland		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893061

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 1-10]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 7-3]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3+4-7]

* Thyroid Gland

C Cell

Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLS = 1-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893063

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Nose	* Pituitary Gland
--------	-------------------

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Developmental Malformation	
[Developmental Malformation TGLS = 4-6]			
* Pancreas	Acinus	Atrophy	Mild
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLS = 3-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1+2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 462

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 88287146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- * Intestine Large, Colon

OBSERVATIONS

- | | | | |
|-------------------|---------------------------|----------------|---------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Mild |
| * Liver | Bile Duct | Hyperplasia | Minimal |
| * Nose | | Inflammation | Chronic, Mild |
| * Preputial Gland | | Inflammation | Chronic, Mild |
| * Testes | Bilateral, Interstit Cell | Adenoma | |

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893064

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 7+8-6]			
* Lung		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 4-15]			
* Pancreas	Acinus	Atrophy	Moderate
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-16]			
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Marked
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-3.01]			
[Leukemia Mononuclear TGLS = 6-3+3.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2+3-7]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893064

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893065

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Myelofibrosis	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver	Lymphatic	Angiectasis	Focal, Marked
		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Minimal
[Basophilic Focus TGLS = 6-6.01]			
* Lymph Node, Mesenteric	Lymphatic	Angiectasis	Marked
[Angiectasis TGLS = 3-8]			
* Pancreas	Acinus	Adenoma	
[Adenoma TGLS = 4-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Seminal Vesicle		Dilatation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1+2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 12-6]			
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-2]			
Lymph Node	Lymphatic, Pancreatic	Angiectasis	Marked
[Angiectasis TGLS = 4+10-9.01]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-8.01]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-8.01]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15]			
* Pancreas	Acinus	Atrophy	Mild
* Seminal Vesicle		Atrophy	Marked
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893066

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 6+9-3+3.01]

[Leukemia Mononuclear TGLS = 5-3+3.01]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2+3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:03

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 653

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO: 893067

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Myelofibrosis	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Bile, Marked
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 11+12-6+6.01]	Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 14-2]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-8,4-16,13-3,2-9]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-8,4-16,13-3,2-9]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 10-8,4-16,13-3,2-9]		
* Mammary Gland		Lactation	Minimal
Mesentery		Cyst	
	Fat	Necrosis	Moderate
	Note: TGL 4. MESENTERIC MASS IS LYMPH NODE.		
	[Cyst TGLS = 5-16.01]		
* Nose		Fungus	Moderate
* Seminal Vesicle		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 150

TRT#: 5
DOSE: 500 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 653
HISTO: 893067

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Keratoacanthoma TGLS = 1-15]		Keratoacanthoma
* Spleen [Leukemia Mononuclear TGLS = 6+7+8+9-3.01+3.02]		Leukemia Mononuclear
* Testes [Adenoma TGLS = 3-7]	Bilateral, Interstit Cell	Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 151

TRT#: 5

SEX: Male

DAY ON TEST: 325

DOSE: 500 PPM

DISP: Natural Death

HISTO: 88287151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Epididymis | * Esophagus | * Heart |
| * Intestine Large, Colon | * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Islets, Pancreatic |
| * Kidney | * Liver | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Preputial Gland | * Prostate | * Salivary Glands |
| * Seminal Vesicle | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | | | |

AUTO PRECLUDES DIAG.

- | | | |
|--------------------------|--------------------------|-------------------|
| * Intestine Large, Cecum | * Intestine Small, Ileum | * Urinary Bladder |
|--------------------------|--------------------------|-------------------|

OBSERVATIONS

- | | | |
|--|-------------------|---------------|
| * Intestine Large, Rectum | Parasite Metazoan | Marked |
| * Liver | | |
| Note: PALE LIVER PROBABLY POST-MORTEM CHANGE | | |
| * Nose | Inflammation | Chronic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 152

TRT#: 5

SEX: Male

DAY ON TEST: 463

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 88287152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 153

TRT#: 5

SEX: Male

DAY ON TEST: 383

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO: 88287153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
Eye		Cataract	Mild
[Cataract TGLS = 1-13]			
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-14]			
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Hematopoietic Cell Proliferation	Mild
* Testes	Bilateral, Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 154

TRT#: 5

SEX: Male

DAY ON TEST: 624

DOSE: 500 PPM

DISP: Natural Death

HISTO: 893068

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Urinary Bladder	

OBSERVATIONS

* Kidney [Glomerulosclerosis TGLS = 2-4]		Glomerulosclerosis	Moderate
* Liver		Basophilic Focus Granuloma	Marked
* Spleen [Depletion Lymphoid TGLS = 1-3]		Depletion Lymphoid	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 155

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893069

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Granuloma	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Focal, Mild
		Basophilic Focus	
		Clear Cell Focus	
		Granuloma	Mild
		Leukemia Mononuclear	
[Angiectasis TGLS = 5-6.01]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-9.01]			
* Mammary Gland		Lactation	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-15]			
* Seminal Vesicle		Atrophy	Moderate
[Atrophy TGLS = 3-14]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 155

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893069

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 156

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893070

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 5-6+6.01]			
* Pancreas	Artery	Inflammation	Chronic, Mild
[Inflammation TGLS = 6-9+9.01]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Adenoma	
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLS = 2-14]			
* Skin		Fibroma	
[Fibroma TGLS = 3-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Carcinoma	
[Carcinoma TGLS = 4-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 157

TRT#: 5

SEX: Male

DAY ON TEST: 463

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 88287157

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Small, Ileum [Hyperplasia TGLS = 2-5]	Peyers Patch	Hyperplasia	Moderate
* Kidney		Nephropathy	Minimal
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland [Cyst TGLS = 1-10]		Cyst	
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 158

TRT#: 5

SEX: Male

DAY ON TEST: 275

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 872115

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Regeneration	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Mediastinal	Congestion	Mild
[Congestion TGLS = 1-2]			
* Lymph Node, Mesenteric		Giant Cell	Minimal
* Nose		Inflammation	Chronic, Focal, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Mild
* Testes	Bilateral, Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 159

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893071

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Focal, Minimal
* Bone Marrow		Hyperplasia	Moderate
* Heart	Atrium	Cardiomyopathy Thrombosis	Moderate
[Thrombosis TGLS = 3-13]			
* Intestine Large, Rectum		Parasite Metazoan	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 5-6.01]			
* Lymph Node, Mesenteric	Lymphatic	Angiectasis	Marked
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 2-15]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-10]			
* Stomach, Glandular		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 4-5.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 160

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Intestine Large, Colon		Parasite Metazoan	Marked
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
* Preputial GI			
Note: TGL 1 MASS IS SKIN ABSCESS, NOT PREPUTIAL GLAND			
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
* Skin		Abscess	Moderate
[Abscess TGLS = 1-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	Follicle	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 161

TRT#: 5

SEX: Male

DAY ON TEST: 463

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 88287161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Intestine Large, Colon		Parasite Metazoan	Marked
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
* Nose		Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Moderate
* Testes	Bilateral, Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 162

TRT#: 5

SEX: Male

DAY ON TEST: 700

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO: 893073

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Bile, Marked
* Liver		Fatty Change	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Lymphatic, Pancreatic	Angiectasis	Moderate
	Mediastinal	Leukemia Mononuclear	
	[Angiectasis TGLS = 3-9]		
	[Leukemia Mononuclear TGLS = 6-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-3]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Seminal Vesicle		Atrophy	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-3]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1+2-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 162

TRT#: 5
DOSE: 500 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 700
HISTO: 893073

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 163

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893074

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Thymus
-----------------	----------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
* Spleen		Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 2-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus			

Note: SLIDE 3 CONTAINS SKELETAL MUSCLE NOT MEDIASTINUM

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 164

TRT#: 5

SEX: Male

DAY ON TEST: 276

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 872116

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Mammary Gland
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Regeneration	Mild
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 165

TRT#: 5

SEX: Male

DAY ON TEST: 721

DOSE: 500 PPM

DISP: Natural Death

HISTO: 893075

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Trachea	

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
--------------------------	----------------------------

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Moderate
* Bone		Chordoma	
[Chordoma TGLS = 6-19]			
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Atrophy	Moderate
	Bile Duct	Basophilic Focus	
[Atrophy TGLS = 4-6]		Hyperplasia	Mild
[Basophilic Focus TGLS = 7-6]			
Lymph Node	Lumbar, Lymphatic	Angiectasis	Moderate
[Angiectasis TGLS = 5-15]			
* Lymph Node, Mandibular		Depletion Lymphoid	Moderate
* Lymph Node, Mesenteric		Depletion Lymphoid	Marked
* Nose		Fungus	Marked
Peripheral Nerve		Degeneration	Marked
* Prostate		Atrophy	Marked
* Seminal Vesicle		Atrophy	Marked
Spinal Cord		Degeneration	Marked
* Spleen		Depletion Lymphoid	Marked
[Depletion Lymphoid TGLS = 3-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 165	TRT#: 5 DOSE: 500 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 721 HISTO: 893075
-----------------------	--	--	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular [Erosion TGLS = 10-5.01]		Erosion	Marked
* Testes [Adenoma TGLS = 1+2-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Depletion Lymphoid	Marked
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder [Ectasia TGLS = 8-9.01] [Hemorrhage TGLS = 9-9.01]		Ectasia Hemorrhage	Mild Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 166

TRT#: 5

SEX: Male

DAY ON TEST: 275

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 872117

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Inflammation	Chronic, Focal, Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney	Renal Tubule	Regeneration	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Minimal
* Nose		Inflammation	Chronic, Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 167

TRT#: 5

SEX: Male

DAY ON TEST: 275

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 872118

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Mammary Gland	* Skin
-----------------	--------

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Mild
* Testes	Bilateral, Interstit Cell	Hyperplasia	Mild
* Urinary Bladder		Calculus Micro Observation Only	

[Calculus Micro Observation Only TGLS = 1-9]

PRIMARY CAUSE OF DEATH

-

Animal Note: PANCREATIC LYMPH NODE NOT SUBMITTED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 168

TRT#: 5

SEX: Male

DAY ON TEST: 701

DOSE: 500 PPM

DISP: Natural Death

HISTO: 893076

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
--------------------------	--------------------------	----------------------------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Mesothelioma Malignant	
Note: EPIDIDYMIS IS ON SLIDE 16			
[Mesothelioma Malignant TGLS = 11-16]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 10-4]			
* Liver	Lymphatic	Angiectasis	Focal, Moderate
	Bile Duct	Fatty Change	Mild
		Hyperplasia	Marked
		Necrosis	Focal, Mild
[Angiectasis TGLS = 8-6]			
[Fatty Change TGLS = 7-6]			
* Lung		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
[Mesothelioma Malignant TGLS = 12+13-2.01+3]			
Lymph Node	Lymphatic, Mediastinal	Angiectasis	Marked
[Angiectasis TGLS = 9-3]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 5-16,4-17]			
* Pancreas		Pigmentation	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 168	TRT#: 5 DOSE: 500 PPM	SEX: Male DISP: Natural Death	DAY ON TEST: 701 HISTO: 893076
-----------------------	--	--	---

ORGAN AND ACCOUNTABLE SITE STATUS

[Pigmentation TGLS = 6-9.01]			
* Prostate		Mesothelioma Malignant	
* Seminal Vesicle		Atrophy	Moderate
		Mesothelioma Malignant	
Skeletal Muscle		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-15]			
* Spleen		Mesothelioma Malignant	
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 14-5+5.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3-7+7.01]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 169

TRT#: 5

SEX: Male

DAY ON TEST: 406

DOSE: 500 PPM

DISP: Natural Death

HISTO: 88287169

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Rectum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea

MISSING

* Lymph Node, Mesenteric

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Liver		Atrophy	Moderate
[Atrophy TGLS = 3-6]			
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Depletion Lymphoid	Moderate
[Depletion Lymphoid TGLS = 2-3]			
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Depletion Lymphoid	Marked
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 1-13]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 170

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893077

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone		Hyperostosis	Mild
* Epididymis		Depletion Cellular	Moderate
[Depletion Cellular TGLS = 5-7]			
Eye		Cataract	Marked
[Cataract TGLS = 1-15.1]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 10-4]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 7+8+11-6]			
* Lung		Granuloma	Mild
[Granuloma TGLS = 9-2]			
Lymph Node	Lymphatic, Mediastinal	Angiectasis	Moderate
[Angiectasis TGLS = 2-9,12-3]			
* Lymph Node, Mandibular		Angiectasis	Mild
[Angiectasis TGLS = 2-9,12-3]			
* Pancreas	Acinus	Atrophy	Mild
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 170

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893077

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 6-14]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 3+4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 171

TRT#: 5

SEX: Male

DAY ON TEST: 463

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 88287171

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Mild
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 172

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893078

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Focal, Mild
[Pheochromocytoma Benign TGLS = 5-8]			
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Mixed Cell Focus	
[Basophilic Focus TGLS = 7-6]			
[Mixed Cell Focus TGLS = 6-6]			
* Mammary Gland		Lactation	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-15]			
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLS = 4-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 173

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893079

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Pancreas	* Preputial Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Hyperplasia	Mild
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 6-7]			
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Granular, Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Mesothelioma Malignant	Metastatic (Uncertain Primary Site)
[Leukemia Mononuclear TGLS = 13-6]			
[Mesothelioma Malignant TGLS = 15+16-6]			
* Lymph Node, Mandibular		Angiectasis	Moderate
[Angiectasis TGLS = 10-8]			
* Lymph Node, Mesenteric		Angiectasis	Marked
[Angiectasis TGLS = 10-8]			
Mesentery		Mesothelioma Malignant	
	Fat	Necrosis	Moderate
[Mesothelioma Malignant TGLS = 3+7-15,9-16]			
* Nose		Fungus	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 173

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893079

ORGAN AND ACCOUNTABLE SITE STATUS

* Parathyroid Gland		Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 14-8.1]			
* Prostate		Mesothelioma Malignant	
* Seminal Vesicle		Atrophy	Moderate
Skeletal Muscle		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2+8-10.01]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 11-3.01]			
[Leukemia Mononuclear TGLS = 12-3]			
* Testes	Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 5-7]			
[Mesothelioma Malignant TGLS = 4,5-7,7.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 174

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893080

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Parasite Metazoan	Marked
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 4-6.01]			
* Lung		Granuloma	Mild
* Nose		Fungus	Moderate
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Cyst	
[Cyst TGLS = 2-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 3-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 175

TRT#: 5

SEX: Male

DAY ON TEST: 463

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 88287175

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Nose		Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 176

TRT#: 5

SEX: Male

DAY ON TEST: 542

DOSE: 500 PPM

DISP: Natural Death

HISTO: 893081

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Islets, Pancreatic
* Kidney	* Liver	* Lung	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Lymph Node, Mandibular

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mesenteric	* Pituitary Gland
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Lym Node Mand			
Note: NO MANDIBULAR LYMPH NODE FOUND IN RETRIM			
* Nose		Fungus	Marked
* Skin		Sarcoma	
[Sarcoma TGLS = 1-15,15.1]			
* Spleen		Depletion Lymphoid	Marked
[Depletion Lymphoid TGLS = 4-3]			
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 5-5]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
[Adenoma TGLS = 2-7]			
[Atrophy TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 177

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone		Hyperostosis	Mild
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-15]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-10]			
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Moderate
* Stomach, Glandular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 5-5.1.1+5.1.2]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3+4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 178

TRT#: 5

SEX: Male

DAY ON TEST: 722

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO: 893083

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea			

MISSING

* Prostate	* Seminal Vesicle	* Urinary Bladder
------------	-------------------	-------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Epididymis		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 2-7,7.1]			
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney	Renal Tubule	Degeneration	Granular, Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Granuloma	Mild
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 11-8]			
* Mammary Gland		Lactation	Minimal
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 8-15]			
* Nose		Fungus	Moderate
* Pancreas	Acinus	Atrophy	Marked
		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 9-9.1]			
Skeletal Muscle		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 1,7-16,17]			
* Spleen		Congestion	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 178

TRT#: 5

SEX: Male

DAY ON TEST: 722

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO: 893083

ORGAN AND ACCOUNTABLE SITE STATUS

[Congestion TGLS = 10-3]

* Stomach, Glandular

* Testes

Bilateral, Interstit Cell

Mesothelioma Malignant

Mesothelioma Malignant

Adenoma

Mesothelioma Malignant

[Adenoma TGLS = 3+4-7+7.01]

[Mesothelioma Malignant TGLS = 5,6-7,7.1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 179

TRT#: 5

SEX: Male

DAY ON TEST: 462

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 88287179

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Nose		Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Mild
[Atrophy TGLS = 2-7]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 180

TRT#: 5

SEX: Male

DAY ON TEST: 674

DOSE: 500 PPM

DISP: Natural Death

HISTO: 893084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea		

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Focal, Mild
		Basophilic Focus	
[Angiectasis TGLS = 3-6.01]			
* Nose		Fungus	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Fibrosis	Marked
[Fibrosis TGLS = 2-3.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 181

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893085

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 3-6.01]			
Lymph Node	Lymphatic, Pancreatic	Angiectasis	Moderate
[Angiectasis TGLS = 4-9.01]			
* Nose		Fungus	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Ectasia	Moderate
		Inflammation	Acute, Moderate
[Ectasia TGLS = 5-10]			
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLS = 2-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 182

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	
	[Thrombosis TGLS = 10-13]		
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Marked
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 8-6.01]		
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-9,1-15,6-16,12-8,9-3.01]		
	[Leukemia Mononuclear TGLS = 2-9,1-15,6-16,12-8,9-3.01]		
	[Leukemia Mononuclear TGLS = 2-9,1-15,6-16,12-8,9-3.01]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-9,1-15,6-16,12-8,9-3.01]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-9,1-15,6-16,12-8,9-3.01]		
* Mammary Gland		Lactation	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 182	TRT#: 5 DOSE: 500 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO: 893086
-----------------------	--	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

Mesentery [Accessory Spleen TGLS = 4-3.02]		Accessory Spleen	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland		Leukemia Mononuclear	
* Seminal Vesicle		Atrophy	Marked
* Spleen [Leukemia Mononuclear TGLS = 3-3.02]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 5-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus [Leukemia Mononuclear TGLS = 11-3]		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 183

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893087

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Developmental Malformation	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 4-6]			
[Developmental Malformation TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Prostate		Dilatation	Moderate
[Dilatation TGLS = 2-14]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 184

TRT#: 5

SEX: Male

DAY ON TEST: 276

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 872119

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Mammary Gland	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Inflammation	Chronic, Focal, Mild
* Kidney	Renal Tubule	Regeneration	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 185

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893088

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex [Hyperplasia TGLS = 2-8]		Hyperplasia	Mild
* Bone		Hyperostosis	Mild
Eye [Cataract TGLS = 3-15]		Cataract	Marked
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Clear Cell Focus	
* Mammary Gland		Lactation	Minimal
* Nose		Inflammation	Acute, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
* Seminal Vesicle		Atrophy	Marked
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 186

TRT#: 5

SEX: Male

DAY ON TEST: 681

DOSE: 500 PPM

DISP: Natural Death

HISTO: 893089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	Skeletal Muscle	* Skin	* Stomach, Forestomach
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Stomach, Glandular	* Thymus
-----------------	----------------------	----------

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Bone		Osteosarcoma	
[Osteosarcoma TGLS = 4-15,15.1]			
* Bone Marrow		Osteosarcoma	Metastatic (Bone)
* Intestine Large, Colon		Parasite Metazoan	Marked
* Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Bile, Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular	Lymphatic	Angiectasis	Moderate
[Angiectasis TGLS = 5-9]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Fungus	Marked
		Hyperkeratosis	Marked
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1+2-7]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 186

TRT#: 5

SEX: Male

DAY ON TEST: 681

DOSE: 500 PPM

DISP: Natural Death

HISTO: 893089

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 187

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893090

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Rectum		Parasite Metazoan	Moderate
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Focal, Moderate
	Bile Duct	Basophilic Focus	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
[Angiectasis TGLS = 8-6+6.01]			
[Basophilic Focus TGLS = 7-6+6.01]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-9.01,6-3]			
[Leukemia Mononuclear TGLS = 5-9.01,6-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-9.01,6-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-9.01,6-3]			
* Mammary Gland		Lactation	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
* Seminal Vesicle		Atrophy	Moderate
[Atrophy TGLS = 3-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 187

TRT#: 5
DOSE: 500 PPM

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 893090

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 4-3.01]		Leukemia Mononuclear
* Testes [Adenoma TGLS = 1+2-7]	Bilateral, Interstit Cell	Adenoma
* Thyroid Gland	C Cell	Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 188

TRT#: 5

SEX: Male

DAY ON TEST: 462

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 88287188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
* Nose		Inflammation	Chronic, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 189

TRT#: 5

SEX: Male

DAY ON TEST: 638

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO: 893091

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

MISSING

* Lymph Node, Mandibular

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Schwannoma Malignant	Metastatic (Skin)
* Seminal Vesicle		Atrophy	Mild
* Skin	Subcut Tiss	Schwannoma Malignant	
	[Schwannoma Malignant TGLS = 4-9.01]		
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2+3-7]		
* Thymus		Cyst	
* Thyroid Gland		Schwannoma Malignant	Metastatic (Skin)

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 5 NO FOCI SEEN IN ORIGINAL SLIDE OR 3 RECUTS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 190

TRT#: 5

SEX: Male

DAY ON TEST: 676

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO: 893092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Clear Cell Focus TGLS = 5-6.01]		
* Lung		Leukemia Mononuclear	
* Lym Node Mesen			
	Note: TGL 3 IS MESENTERIC FAT NECROSIS		
* Mammary Gland		Lactation	Mild
Mesentery	Fat	Necrosis	Moderate
	[Necrosis TGLS = 3-8.01]		
* Pituitary Gl			
	Note: TGL 6 NO PITUITARY LESION IN ORIGINAL SLIDE OR RECUT		
* Seminal Vesicle		Atrophy	Marked
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 190

TRT#: 5
DOSE: 500 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 676
HISTO: 893092

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 191

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893093

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea			

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-15]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Seminal Vesicle		Dilatation	Marked
[Dilatation TGLS = 3-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1+2-7]			
* Urinary Bladder		Calculus Micro Observation Only	
[Calculus Micro Observation Only TGLS = 4-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 192

TRT#: 5

SEX: Male

DAY ON TEST: 462

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 88287192

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 2-8]			
* Preputial Gland		Inflammation	Chronic, Mild
* Skin		Ulcer	Marked
[Ulcer TGLS = 1-13]			
* Testes	Bilateral, Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 193

TRT#: 5

SEX: Male

DAY ON TEST: 276

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 872120

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Heart		Inflammation	Chronic, Focal, Minimal
* Kidney		Nephropathy	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Minimal
* Nose		Inflammation	Chronic, Focal, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Mild
* Urinary Bladder		Calculus Micro Observation Only	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 194

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893095

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Epididymis		Depletion Cellular	Marked
[Depletion Cellular TGLS = 6-7]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular	Lymphatic	Angiectasis	Moderate
[Angiectasis TGLS = 2-9]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-8]			
* Nose		Fungus	Marked
* Pancreas	Acinus	Atrophy	Moderate
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLS = 7-14]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 9-3.01]			
[Leukemia Mononuclear TGLS = 8-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 194

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893095

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3+4+5-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 195

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893094

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Epididymis		Spermatocele	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Developmental Malformation	
[Developmental Malformation TGLS = 4-6.01]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Seminal Vesicle		Atrophy	Marked
* Skin		Fibrosis	Focal, Marked
[Fibrosis TGLS = 1-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2+3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 196

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 6-6.01]			
* Nose		Fungus	Moderate
* Pancreas	Acinus	Atrophy	Moderate
	Acinus	Hyperplasia	Focal, Mild
* Prostate		Congestion	Moderate
[Congestion TGLS = 5-14]			
* Seminal Vesicle		Atrophy	Moderate
[Atrophy TGLS = 4-14]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-15]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
[Adenoma TGLS = 3-7]			
[Atrophy TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 196

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893096

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 197

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893097

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Granuloma	Mild
	Bile Duct	Hyperplasia	Mild
[Basophilic Focus TGLS = 7-6]			
* Lymph Node, Mesenteric	Lymphatic	Angiectasis	Marked
[Angiectasis TGLS = 5-8]			
Mesentery		Fibrosis	Mild
[Fibrosis TGLS = 2-16]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 6-8]			
* Seminal Vesicle		Atrophy	Marked
Skeletal Muscle		Fibrosis	Mild
[Fibrosis TGLS = 3-16]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 198

TRT#: 5

SEX: Male

DAY ON TEST: 462

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 88287198

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

INSUFFICIENT TISSUE

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Moderate
* Prostate		Inflammation	Acute, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Urinary Bladder		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 199

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893098

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	Moderate
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 5-4]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 7-6]			
Lymph Node	Lymphatic, Pancreatic	Angiectasis	Mild
[Angiectasis TGLS = 4-9.01]			
* Mammary Gland		Lactation	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-10]			
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2+3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 200

TRT#: 5

SEX: Male

DAY ON TEST: 677

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO: 893099

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Adrenal Cortex	* Adrenal Medulla	* Mammary Gland
------------------	-------------------	-----------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Bile, Moderate
* Liver	Lymphatic	Angiectasis	Focal, Moderate
		Basophilic Focus	
		Fibrosis	Focal, Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Thrombosis	
[Angiectasis TGLS = 7-6]			
[Fibrosis TGLS = 3-6.01]			
[Leukemia Mononuclear TGLS = 5-6]			
[Thrombosis TGLS = 2-6.01]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 200

TRT#: 5
DOSE: 500 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 677
HISTO: 893099

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
			[Fibrosis TGLS = 6-3.01]
			[Leukemia Mononuclear TGLS = 1-3.01]
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thymus		Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 201

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893100

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 7-8]			
* Heart	Artery	Cardiomyopathy Inflammation Mineralization Nephropathy	Moderate Chronic, Mild Minimal Marked
* Kidney		Basophilic Focus Clear Cell Focus	
[Basophilic Focus TGLS = 3-6.01]			
[Clear Cell Focus TGLS = 8-6.02]			
Lymph Node	Lymphatic, Mediastinal	Angiectasis	Moderate
[Angiectasis TGLS = 5-3]			
* Lymph Node, Mandibular		Angiectasis	Mild
[Angiectasis TGLS = 5-3]			
* Lymph Node, Mesenteric		Angiectasis	Marked
[Angiectasis TGLS = 5-3]			
* Nose		Fungus	Marked
* Pancreas	Acinus Artery	Atrophy Inflammation	Moderate Chronic, Marked
[Inflammation TGLS = 6-9.01]			
* Pituitary Gland	Pars Intermed	Hyperplasia	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 201	TRT#: 5 DOSE: 500 PPM	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 734 HISTO: 893100
-----------------------	--	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle [Atrophy TGLS = 4-14]		Atrophy	Marked
* Stomach, Forestomach [Cyst Epithelial Inclusion TGLS = 9-5.1.1]		Cyst Epithelial Inclusion	
* Testes [Adenoma TGLS = 1-7] [Hyperplasia TGLS = 2-7]	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Marked

PRIMARY CAUSE OF DEATH -

Animal Note: TGL 6 PANCREATIC LYMPH NODE ACTUALLY SWOLLEN ARTERY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 202

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Thymus
-----------------	----------

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 4-6]			
* Nose		Fungus	Marked
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Prostate		Inflammation	Acute, Mild
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 3-3.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1+2-7]			
* Thymus			

Note: NO THYMUS SEEN IN ORIGINAL SLIDE OR RECUT

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 203

TRT#: 5

SEX: Male

DAY ON TEST: 275

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 872121

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Inflammation	Chronic, Focal, Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney	Renal Tubule	Regeneration	Minimal
* Lymph Node, Mesenteric		Giant Cell	Minimal
* Nose		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 204

TRT#: 5

SEX: Male

DAY ON TEST: 276

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 872122

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Inflammation	Chronic, Focal, Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Kidney	Renal Tubule	Regeneration	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Minimal
* Nose		Inflammation	Chronic, Focal, Mild
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 205

TRT#: 5

SEX: Male

DAY ON TEST: 734

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893102

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Pancreas	Acinus	Adenoma	
Note: PANCREATIC ADENOMA GIVEN FOR ONE ADRENAL SLIDE 8			
* Pituitary Gland	Pars Distalis	Adenoma	
* Seminal Vesicle		Atrophy	Moderate
Skeletal Muscle		Fibrosis	Mild
[Fibrosis TGLS = 2-3.01]			
* Spleen	Capsule	Fibrosis	Mild
[Fibrosis TGLS = 3-3.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 206

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893103

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Nose		Inflammation	Chronic, Marked
* Pituitary Gland	Pars Distalis	Cyst	
* Seminal Vesicle		Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 207

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 4-4]			
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 5-6+6.01]			
* Mammary Gland		Lactation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Seminal Vesicle		Atrophy	Moderate
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-15]		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-16]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 208

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893105

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6+6.01]			
* Nose		Fungus	Mild
* Pancreas	Acinus	Atrophy	Mild
* Seminal Vesicle		Atrophy	Moderate
[Atrophy TGLS = 2-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 209

TRT#: 5

SEX: Male

DAY ON TEST: 566

DOSE: 500 PPM

DISP: Natural Death

HISTO: 893106

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Rectum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Pancreas	* Stomach, Glandular	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lymph Node, Mandibular [Angiectasis TGLS = 3-9]		Angiectasis	Moderate
* Nose		Fungus	Marked
* Seminal Vesicle		Atrophy	Moderate
* Spleen [Depletion Lymphoid TGLS = 4-3]		Depletion Lymphoid	Moderate
* Testes [Adenoma TGLS = 1+2-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 210

TRT#: 5

SEX: Male

DAY ON TEST: 275

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 872123

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 211

TRT#: 7

SEX: Male

DAY ON TEST: 653

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 890286

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 4-6.01]			
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 3,7,8-15,15.1]			
* Nose		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 5-12]			
* Pancreas			
Note: TGL 3 PANCREATIC NODULE IS IN MESENTERY			
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 6-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Mesothelioma Malignant	
[Adenoma TGLS = 2-7]			
[Mesothelioma Malignant TGLS = 1-7.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 212

TRT#: 7

SEX: Male

DAY ON TEST: 518

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 890287

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Epididymis	* Esophagus
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea			

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Urinary Bladder
--------------------------	--------------------------	-------------------

OBSERVATIONS

* Bone	Hyperostosis	Mild
* Bone Marrow	Hyperplasia	Moderate
* Brain	Hemorrhage	Moderate
[Hemorrhage TGLS = 7-1.01]		
* Heart	Leukemia Mononuclear	
* Intestine Large, Rectum	Leukemia Mononuclear	
* Intestine Small, Ileum	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 12-5.01]		
* Kidney	Autolysis	Moderate
	Nephropathy	Mild
[Autolysis TGLS = 8+9-4]		
* Liver	Leukemia Mononuclear	
	Necrosis	Focal, Moderate
[Leukemia Mononuclear TGLS = 5-6]		
* Lung	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-2]		
Lymph Node	Mediastinal	
	Pancreatic	
[Leukemia Mononuclear TGLS = 3-8,4-15,13-9,6-3.02]		
[Leukemia Mononuclear TGLS = 3-8,4-15,13-9,6-3.02]		
* Lymph Node, Mandibular	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8,4-15,13-9,6-3.02]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 212

TRT#: 7

SEX: Male

DAY ON TEST: 518

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 890287

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 3-8,4-15,13-9,6-3.02]		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
Mesentery [Necrosis TGLS = 2-16]	Fat	Necrosis	Marked
* Pancreas		Leukemia Mononuclear	
* Prostate		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 1-3] [Necrosis TGLS = 10-3.01]		Leukemia Mononuclear Necrosis	Focal, Mild
* Testes [Adenoma TGLS = 14-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 213

TRT#: 7

SEX: Male

DAY ON TEST: 386

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 88287213

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum	* Urinary Bladder
--------------------------	----------------------------	-------------------

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver			
Note: NO MICROSCOPIC DEFORMITY SEEN			
* Lymph Node, Mandibular		Congestion	Moderate
[Congestion TGLS = 4-9]			
* Nose		Fungus	Marked
		Inflammation	Acute, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Seminal Vesicle		Atrophy	Mild
[Atrophy TGLS = 3-7]			
* Spleen		Depletion Lymphoid	Moderate
		Pigmentation	Hemosiderin, Moderate
[Depletion Lymphoid TGLS = 1-3]			
* Testes	Bilateral, Interstit Cell	Hyperplasia	Mild
* Thymus		Depletion Lymphoid	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 214

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890288

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLS = 3-14]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
[Adenoma TGLS = 1-7]			
[Atrophy TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 215

TRT#: 7

SEX: Male

DAY ON TEST: 275

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 871971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Liver	* Lymph Node, Mandibular	* Mammary Gland
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Inflammation	Chronic, Focal, Mild
* Intestine Large, Colon		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Minimal
* Nose		Metaplasia	Squamous, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Mild
* Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 216

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 890289

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Esophagus
* Islets, Pancreatic
* Parathyroid Gland
* Skin
* Urinary Bladder

* Bone
* Intestine Large, Rectum
* Mammary Gland
* Preputial Gland
* Stomach, Forestomach

* Brain
* Intestine Small, Duodenum
* Nose
* Prostate
* Stomach, Glandular

* Epididymis
* Intestine Small, Jejunum
* Pancreas
* Salivary Glands
* Trachea

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum

* Intestine Large, Colon

* Intestine Small, Ileum

OBSERVATIONS

* Adrenal Medulla
* Bone Marrow
* Heart
* Kidney
* Liver

* Lung
* Lymph Node, Mandibular
* Lymph Node, Mesenteric
* Pituitary Gland
* Seminal Vesicle
* Spleen

Bile Duct

Pars Distalis

Hyperplasia
Hyperplasia
Cardiomyopathy
Nephropathy
Basophilic Focus
Hyperplasia
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Leukemia Mononuclear
Hemorrhage
Atrophy
Fibrosis
Hemorrhage
Leukemia Mononuclear

Focal, Mild
Moderate
Mild
Mild
Marked
Mild
Marked
Marked
Marked

[Fibrosis TGLS = 7-3.02,8-3.02]

[Hemorrhage TGLS = 1+2-3.01]

[Leukemia Mononuclear TGLS = 3-3.01+3.02+3.03]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 5+6-7]

* Thymus

Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 216

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 890289

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 4 NO PANCREATIC LN ON ORIGINAL SLIDE OR RECUT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 217

TRT#: 7

SEX: Male

DAY ON TEST: 187

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 870963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Islets, Pancreatic
* Parathyroid Gland
* Salivary Glands
* Stomach, Glandular

* Adrenal Medulla
* Epididymis
* Liver
* Pituitary Gland
* Seminal Vesicle
* Testes

* Bone
* Esophagus
* Lung
* Preputial Gland
* Skin
* Trachea

* Bone Marrow
* Heart
* Pancreas
* Prostate
* Stomach, Forestomach

MISSING

* Mammary Gland

* Thymus

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum
* Intestine Small, Ileum
* Thyroid Gland

* Intestine Large, Colon
* Intestine Small, Jejunum
* Urinary Bladder

* Intestine Large, Rectum
* Kidney

* Intestine Small, Duodenum
* Lymph Node, Mesenteric

OBSERVATIONS

* Kidney
Note: TUBULAR DEGENERATION CANNOT BE RULED OUT

* Lymph Node, Mandibular
[Congestion TGLS = 1-9]

* Nose
* Spleen

Congestion

Fungus

Pigmentation

Moderate

Hemosiderin, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 218

TRT#: 7

SEX: Male

DAY ON TEST: 463

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 88287218

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Intestine Large, Cecum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Nose		Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 219

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890290

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
* Nose		Fungus	Moderate
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
* Preputial Gland		Ectasia	Marked
		[Ectasia TGLS = 4-10]	
* Skin		Fibroma	
		[Fibroma TGLS = 1-15]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-3]	
* Testes	Bilateral, Interstit Cell	Adenoma	
		[Adenoma TGLS = 2-7]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 220

TRT#: 7

SEX: Male

DAY ON TEST: 276

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 871972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lymph Node, Mandibular
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Parasite Metazoan	
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Minimal
* Nose		Inflammation	Chronic, Focal, Marked
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic, Focal, Mild
* Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 221

TRT#: 7

SEX: Male

DAY ON TEST: 462

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 88287221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Minimal
* Lymph Node, Mandibular [Congestion TGLS = 2-9]		Congestion	Mild
* Nose		Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 222

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890291

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
Ear	* Epididymis	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Compression	Marked
* Heart		Cardiomyopathy	Moderate
		Mineralization	Mild
* Intestine Large, Cecum		Parasite Metazoan	Mild
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 2-9]			
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8.01]			
* Seminal Vesicle		Atrophy	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 223

TRT#: 7

SEX: Male

DAY ON TEST: 439

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 88287223

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Islets, Pancreatic
* Kidney	* Mammary Gland	* Parathyroid Gland	* Prostate
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea			

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Histiocytic Sarcoma	
* Intestine Large, Colon		Parasite Metazoan	Marked
* Intestine Large, Rectum		Parasite Metazoan	Moderate
* Liver		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 8,9,11-5]			
* Lung		Histiocytic Sarcoma	
Lymph Node	Mediastinal	Histiocytic Sarcoma	
	Pancreatic	Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 10-13]			
[Histiocytic Sarcoma TGLS = 3-9]			
* Lymph Node, Mandibular		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 10-13,7-8,3-9]			
* Lymph Node, Mesenteric		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 7-8]			
* Nose		Inflammation	Chronic, Mild
* Pancreas		Autolysis	Focal, Mild
[Autolysis TGLS = 4-9]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Minimal
* Seminal Vesicle		Atrophy	Moderate
[Atrophy TGLS = 12-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 223

TRT#: 7

SEX: Male

DAY ON TEST: 439

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 88287223

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Histiocytic Sarcoma TGLS = 5,6-3]		Histiocytic Sarcoma	
* Stomach, Glandular		Ulcer	Marked
* Testes [Adenoma TGLS = 1-7]	Interstit Cell	Adenoma	
* Thymus		Histiocytic Sarcoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 224

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890292

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Epididymis		Depletion Cellular	Mild
[Depletion Cellular TGLS = 4-7]			
* Heart		Cardiomyopathy	Marked
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Developmental Malformation	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 8-6.02]			
[Developmental Malformation TGLS = 7-6.01]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-15]			
* Nose		Fungus	Marked
[Fungus TGLS = 9-12]			
* Seminal Vesicle		Atrophy	Moderate
[Atrophy TGLS = 5-14]			
* Spleen		Fibrosis	Marked
[Fibrosis TGLS = 6-3.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2+3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 225

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890293

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Kidney	Epithelium, Pelvis	Hyperplasia	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Seminal Vesicle		Atrophy	Moderate
[Atrophy TGLS = 4-14]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-15]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
[Adenoma TGLS = 3-7]			
[Atrophy TGLS = 2-7]			
Tongue		Hyperkeratosis	Focal, Moderate
[Hyperkeratosis TGLS = 5-16]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 226

TRT#: 7

SEX: Male

DAY ON TEST: 462

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 88287226

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Intestine Large, Colon		Parasite Metazoan	Moderate
* Kidney		Nephropathy	Minimal
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
[Adenoma TGLS = 1-7]			
[Atrophy TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 227

TRT#: 7

SEX: Male

DAY ON TEST: 462

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 88287227

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Hyperplasia	Mild
* Nose		Inflammation	Chronic, Moderate
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7,2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 228

TRT#: 7

SEX: Male

DAY ON TEST: 682

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 892896

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Brain	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone		Hyperostosis	Moderate
* Bone Marrow		Myelofibrosis	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Marked
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-6]			
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Moderate
* Pancreas	Acinus	Atrophy	Mild
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Marked
* Spleen		Fibrosis	Marked
		Leukemia Mononuclear	
[Fibrosis TGLS = 3-3.01]			
[Leukemia Mononuclear TGLS = 2-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 229

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890294

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 7-6.01]			
* Lymph Node, Mesenteric	Lymphatic	Angiectasis	Moderate
Mesentery		Fibrosis	Moderate
	Fat	Necrosis	Moderate
[Fibrosis TGLS = 3+5-15]			
[Necrosis TGLS = 4-15]			
* Nose		Inflammation	Acute, Moderate
Note: PAS STAIN REVEALS NO FUNGI			
* Pancreas			
Note: TGL 6. NO PANCREATIC NODULE ON ORIGINAL SLIDE OR RECUT			
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLS = 2-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Urinary Bladder		Papilloma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 230

TRT#: 7

SEX: Male

DAY ON TEST: 462

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 88287230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver	Bile Duct	Hyperplasia	Mild
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 1-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 231

TRT#: 7

SEX: Male

DAY ON TEST: 357

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 88287231

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney	Nephropathy	Minimal
* Lymph Node, Mandibular [Infiltration Cellular TGLS = 1-9]	Infiltration Cellular	Plasma Cell, Marked
* Nose	Fungus	Marked
	Inflammation	Acute, Marked
* Preputial Gland	Inflammation	Chronic, Minimal
* Prostate	Atrophy	Moderate
* Seminal Vesicle	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 232

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890295

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Focal, Minimal
* Bone Marrow		Hyperplasia	Marked
* Heart	Atrium	Cardiomyopathy Thrombosis	Mild
[Thrombosis TGLS = 7-13]			
* Intestine Large, Cecum		Polyp	
[Polyp TGLS = 3+8-5.01]			
* Kidney		Nephropathy	Mild
* Liver	Bile Duct	Basophilic Focus Eosinophilic Focus Hyperplasia Leukemia Mononuclear	Moderate
[Basophilic Focus TGLS = 11-6.01]			
[Eosinophilic Focus TGLS = 10-6.2]			
[Leukemia Mononuclear TGLS = 5-6]			
* Lung	Mediastinal	Leukemia Mononuclear Leukemia Mononuclear	
Lymph Node			
[Leukemia Mononuclear TGLS = 6-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 232

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890295

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLS = 2-14]			
* Spleen		Fibrosis	Minimal
[Leukemia Mononuclear TGLS = 4-3.01]		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	Bilateral, C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 9 NO LESION SEEN IN ORIGINAL SLIDE OR RECUT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 233

TRT#: 7

SEX: Male

DAY ON TEST: 462

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 88287233

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Nose		Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Chronic, Moderate
* Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 234

TRT#: 7

SEX: Male

DAY ON TEST: 462

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 88287234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Nose		Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 235

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890296

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Adrenal Medulla		Hyperplasia	Focal, Moderate
		Pheochromocytoma Benign	
* Epididymis		Fibrosis	Mild
[Fibrosis TGLS = 1-7]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 6-4]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
[Basophilic Focus TGLS = 7-6+6.02]			
[Hepatodiaphragmatic Nodule TGLS = 9-6.01]			
* Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Mild
[Adenoma TGLS = 5-9.01]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-8]			
* Prostate		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 235

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890296

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle
[Atrophy TGLS = 4-14]

Atrophy

Marked

* Testes
[Adenoma TGLS = 2+3-7]

Bilateral, Interstit Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 236

TRT#: 7

SEX: Male

DAY ON TEST: 276

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 871973

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Inflammation	Chronic, Focal, Mild
* Kidney	Renal Tubule	Regeneration	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 237

TRT#: 7

SEX: Male

DAY ON TEST: 185

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 871960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Rectum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Urinary Bladder	

OBSERVATIONS

* Heart [Dilatation TGLS = 1-2]	Atrium	Dilatation	Marked
* Kidney Note: KIDNEY AUTOLYZED POSSIBLE TUBULAR NECROSIS			
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Depletion Lymphoid	Mild
* Nose		Inflammation	Chronic, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Spleen		Depletion Lymphoid	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 238

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890297

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Epididymis [Atrophy TGLS = 2-7]		Atrophy	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
Mesentery [Necrosis TGLS = 4-15]	Fat	Necrosis	Moderate
* Prostate		Atrophy	Marked
* Seminal Vesicle [Atrophy TGLS = 3-14]		Atrophy	Marked
* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland [Adenoma TGLS = 5-2]	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 239

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890298

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Angiectasis	Focal, Moderate
		Basophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 3-6]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Nose		Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Preputial Gland		Cyst	
[Cyst TGLS = 4-10]			
* Seminal Vesicle		Atrophy	Mild
* Skin	Subcut Tiss	Hemorrhage	Moderate
[Hemorrhage TGLS = 1-15.1]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 240

TRT#: 7

SEX: Male

DAY ON TEST: 276

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 871974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Preputial Gland		Inflammation	Chronic, Focal, Mild
* Testes	Interstitial Cell	Adenoma	
* Thymus		Depletion Lymphoid	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 241

TRT#: 7

SEX: Male

DAY ON TEST: 678

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 890299

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Cecum		Hyperplasia	Lymphoid, Moderate
* Kidney	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Bile, Moderate
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 6-6.01]			
[Fatty Change TGLS = 11-6.01]			
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Infiltration Cellular	Histiocyte, Focal, Moderate
		Leukemia Mononuclear	
[Infiltration Cellular TGLS = 8+9-2]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-9,12-9]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-9,12-9]			
* Lymph Node, Mesenteric		Angiectasis	Marked
		Leukemia Mononuclear	
[Angiectasis TGLS = 5-8]			
[Leukemia Mononuclear TGLS = 1-9,12-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 241	TRT#: 7 DOSE: 1000 PPM	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 678 HISTO: 890299
-----------------------	---	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Lactation	Mild
* Nose		Fungus	Marked
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2+3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 242

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Marked
* Kidney		Cyst	
		Nephropathy	Mild
[Cyst TGLS = 8-4]			
* Liver		Angiectasis	Focal, Marked
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Angiectasis TGLS = 7-6.01]			
[Eosinophilic Focus TGLS = 9-6.1]			
[Leukemia Mononuclear TGLS = 3+6-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Fungus	Marked
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLS = 2-14]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-3.01]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 242

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890300

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-3.01]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 243

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890301

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Mild
* Liver	Lymphatic	Angiectasis	Focal, Mild
	Bile Duct	Basophilic Focus	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 4-6+6.01]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
* Seminal Vesicle		Atrophy	Marked
* Skin		Fibroma	
[Fibroma TGLS = 1-15]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 244

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Focal, Moderate
	Bile Duct	Basophilic Focus	
		Hyperplasia	Mild
		Leukemia Mononuclear	
[Angiectasis TGLS = 4-6+6.01]			
[Leukemia Mononuclear TGLS = 1-6+6.01]			
* Mammary Gland		Lactation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Preputial Gland		Metaplasia	Squamous, Marked
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 245

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890303

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Adrenal Cortex	* Adrenal Medulla
------------------	-------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Epididymis		Depletion Cellular	Moderate
[Depletion Cellular TGLS = 4-7]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Lipoma	
[Lipoma TGLS = 7-4]		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Acute, Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLS = 5-14]			
* Skin		Fibrosis	Focal, Marked
[Ulcer TGLS = 1-15]		Ulcer	Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 245

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890303

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 6-3]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2+3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 246

TRT#: 7

SEX: Male

DAY ON TEST: 180

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 870962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Kidney
--------------------------	--------------------------	----------

OBSERVATIONS

* Kidney			
Note: NEPHROSIS CANNOT BE RULED OUT			
* Liver		Developmental Malformation	
[Developmental Malformation TGLS = 4-3]			
* Lung	Peribronchial	Inflammation	Chronic, Moderate
* Lymph Node, Mandibular		Congestion	Mild
[Congestion TGLS = 2-8]			
* Lymph Node, Mesenteric		Congestion	Mild
[Congestion TGLS = 2-8]			
* Nose		Inflammation	Chronic, Mild
		Metaplasia	Squamous, Mild
* Spleen		Pigmentation	Hemosiderin, Mild
* Thymus		Congestion	Moderate
[Congestion TGLS = 3-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 247

TRT#: 7

SEX: Male

DAY ON TEST: 686

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 892898

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone		Hyperostosis	Mild
* Bone Marrow		Hyperplasia	Moderate
Coagulating Gland		Adenoma	
[Adenoma TGLS = 13-14]			
* Heart		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 7-13,13.1]			
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 14-9]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 12-6,11-6.01]		Fatty Change	Minimal
* Lung		Mesothelioma Malignant	Metastatic (Heart)
[Mesothelioma Malignant TGLS = 9+10-2+3]			
Lymph Node	Lymphatic, Mediastinal	Angiectasis	Marked
[Angiectasis TGLS = 8-3,2-9.01,6-8]			
* Lymph Node, Mandibular		Angiectasis	Moderate
[Angiectasis TGLS = 8-3,2-9.01,6-8]			
* Lymph Node, Mesenteric		Angiectasis	Marked
[Angiectasis TGLS = 8-3,2-9.01,6-8]			
* Mammary Gland		Lactation	Moderate
* Salivary Glands		Hyperplasia	Moderate
[Hyperplasia TGLS = 15-9.01]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 247

TRT#: 7

SEX: Male

DAY ON TEST: 686

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 892898

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin [Edema TGLS = 1-10]		Edema	Moderate
* Spleen [Depletion Lymphoid TGLS = 5-3]		Depletion Lymphoid	Mild
* Testes [Adenoma TGLS = 3+4-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 248

TRT#: 7

SEX: Male

DAY ON TEST: 675

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 890304

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Thymus
-----------------	----------

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Hyperplasia	Marked
* Brain		Compression	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-6]			
* Nose		Fungus	Marked
[Fungus TGLS = 5-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8.01]			
* Preputial Gland		Carcinoma	
[Carcinoma TGLS = 1-10.01]			
* Seminal Vesicle		Atrophy	Mild
* Spleen		Depletion Lymphoid	Moderate
		Fibrosis	Minimal
[Depletion Lymphoid TGLS = 3-3]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 7-5]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 248

TRT#: 7

SEX: Male

DAY ON TEST: 675

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 890304

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Note: NO THYMUS SEEN IN ORIGINAL SLIDE OR RECUT

* Thyroid Gland

C Cell

Hyperplasia

Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 249

TRT#: 7

SEX: Male

DAY ON TEST: 598

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 890305

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Brain		Hemorrhage	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver	Renal Tubule	Pigmentation	Bile, Marked
	Lymphatic	Angiectasis	Focal, Moderate
		Basophilic Focus	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Hemorrhage	Focal, Moderate
		Leukemia Mononuclear	
	[Hemorrhage TGLS = 5-3.01,7-3.03]		
	[Leukemia Mononuclear TGLS = 2+6-2+3+3.02]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
	[Fibrosis TGLS = 8-3.05]		
	[Leukemia Mononuclear TGLS = 1-3.04]		
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 249

TRT#: 7

SEX: Male

DAY ON TEST: 598

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 890305

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 250

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890306

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Epididymis [Depletion Cellular TGLS = 4-7]		Depletion Cellular	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Moderate
[Basophilic Focus TGLS = 7-6]			
* Mammary Gland [Fibroadenoma TGLS = 1-15+15.01]		Fibroadenoma	
Mesentery [Necrosis TGLS = 6-16]	Fat	Necrosis	Marked
* Nose		Inflammation	Chronic, Moderate
* Prostate		Atrophy	Moderate
* Seminal Vesicle [Atrophy TGLS = 5-14]		Atrophy	Marked
* Testes [Adenoma TGLS = 2+3-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland [Carcinoma TGLS = 8-2]	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 251

TRT#: 7

SEX: Male

DAY ON TEST: 463

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 88287251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Nose		Fungus	Moderate
		Inflammation	Acute, Moderate
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 252

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890307

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 2-15]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 5-8]			
* Prostate		Atrophy	Mild
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLS = 3-14]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 253

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890308

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Intestine Large, Colon		Parasite Metazoan	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 6-6.01]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Moderate
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 5-15]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-8]			
* Seminal Vesicle		Atrophy	Mild
[Atrophy TGLS = 3-14]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1+2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 253

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890308

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 254

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890309

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Prostate	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Abscess	Mild
* Seminal Vesicle		Atrophy	Marked
* Spleen		Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 2-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 255

TRT#: 7

SEX: Male

DAY ON TEST: 682

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 892897

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Hyperplasia	Moderate
* Epididymis		Dilatation	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Mammary Gland		Lactation	Mild
* Preputial Gland		Cyst	
[Cyst TGLS = 1-10]			
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3.01]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2+3-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 256

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890310

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-6]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLS = 1-14]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3.01+3.02]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2+3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 257

TRT#: 7

SEX: Male

DAY ON TEST: 463

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 88287257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|--------------------------|-----------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Intestine Large, Cecum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney |
| * Liver | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|---------------------------|---------------------------|-------------------------|-------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Heart | | Cardiomyopathy | Minimal |
| * Intestine Large, Colon | | Parasite Metazoan | Mild |
| * Intestine Large, Rectum | | Parasite Metazoan | Mild |
| * Nose | | Inflammation | Chronic, Mild |
| * Preputial Gland | | Inflammation | Chronic, Moderate |
| * Testes | Bilateral, Interstit Cell | Adenoma | |

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 258

TRT#: 7

SEX: Male

DAY ON TEST: 722

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 890311

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------|--------------------------|---------------------------|
| * Adrenal Cortex | * Bone | * Brain | * Epididymis |
| * Esophagus | * Heart | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Islets, Pancreatic | * Mammary Gland | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | | | |

AUTO PRECLUDES DIAG.

- | | | |
|--------------------------|----------------------------|-------------------|
| * Intestine Large, Cecum | * Intestine Small, Jejunum | * Urinary Bladder |
|--------------------------|----------------------------|-------------------|

OBSERVATIONS

- | | | | |
|--|-----------|----------------------|-----------------|
| * Adrenal Medulla | | Hyperplasia | Focal, Marked |
| * Bone Marrow | | Hyperplasia | Marked |
| Eye | | Cataract | Mild |
| [Cataract TGLS = 6-15] | | | |
| * Intestine Small, Ileum | | Autolysis | Marked |
| [Autolysis TGLS = 5-5.01] | | | |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Marked |
| | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Nose | | Inflammation | Acute, Moderate |
| * Preputial Gland | | Carcinoma | |
| [Carcinoma TGLS = 1-10.01] | | | |
| * Prostate | | Atrophy | Moderate |
| * Seminal Vesicle | | Atrophy | Marked |
| * Spleen | | Fibrosis | Minimal |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 4-3.01] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 258

TRT#: 7

SEX: Male

DAY ON TEST: 722

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 890311

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2+3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 259

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890312

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
Eye		Cataract	Mild
[Cataract TGLS = 1-15]			
* Heart	Artery	Cardiomyopathy	Mild
		Inflammation	Chronic, Moderate
* Kidney		Nephropathy	Mild
* Liver	Lymphatic	Angiectasis	Focal, Mild
		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]	Bile Duct	Hyperplasia	Mild
* Nose		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Mild
* Seminal Vesicle		Atrophy	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 260

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890313

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Focal, Mild
* Brain [Hemorrhage TGLS = 6-1.01]	Meninges	Hemorrhage	Mild
Eye [Degeneration TGLS = 7-16]	Retina	Cataract Degeneration	Mild Moderate
* Heart		Cardiomyopathy	Marked
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Nephropathy	Marked
* Liver [Basophilic Focus TGLS = 8-6]	Bile Duct	Basophilic Focus Hyperplasia	Mild
* Lymph Node, Mandibular [Angiectasis TGLS = 9-9]	Lymphatic	Angiectasis	Moderate
* Mammary Gland		Lactation	Mild
Mesentery [Necrosis TGLS = 4-15]	Fat	Necrosis	Moderate
* Preputial Gland [Inflammation TGLS = 1-10]		Inflammation	Chronic, Moderate
* Seminal Vesicle		Atrophy	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 260

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890313

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2+3-7]

* Thymus

Lymphatic

Angiectasis

Marked

[Angiectasis TGLS = 5-3.01]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 261

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890314

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Hyperplasia	Mild
* Epididymis		Depletion Cellular	Moderate
[Depletion Cellular TGLS = 3-7]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Granuloma	Moderate
[Basophilic Focus TGLS = 9-6]			
Lymph Node	Lymphatic, Mediastinal	Angiectasis	Moderate
[Angiectasis TGLS = 8-8,7-3]			
* Lymph Node, Mandibular		Angiectasis	Mild
[Angiectasis TGLS = 8-8,7-3]			
* Lymph Node, Mesenteric		Angiectasis	Moderate
[Angiectasis TGLS = 8-8,7-3]			
Mesentery	Artery	Inflammation	Chronic, Marked
	Artery	Thrombosis	
[Inflammation TGLS = 5-9.01,6-15]			
* Pituitary Gland	Pars Distalis	Cyst	
* Preputial Gland		Ectasia	Moderate
[Ectasia TGLS = 1-10]			
* Seminal Vesicle		Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 261

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890314

ORGAN AND ACCOUNTABLE SITE STATUS

[Atrophy TGLS = 4-14]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 262

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Focal, Moderate
		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Basophilic Focus TGLS = 8-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-2+3]		
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-9.01]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-9.01]		
Mesentery		Accessory Spleen	
	[Accessory Spleen TGLS = 3-9.01]		
* Pancreas	Acinus	Atrophy	Moderate
* Parathyroid Gland			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 262

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890315

ORGAN AND ACCOUNTABLE SITE STATUS

Note: NO PARATHYROID ON ORIGINAL SLIDE OR RECUT

* Seminal Vesicle

Atrophy

Marked

* Spleen

Fibrosis

Minimal

Leukemia Mononuclear

[Fibrosis TGLS = 6-3.01]

[Leukemia Mononuclear TGLS = 1-3]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4+5-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 263

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890316

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Focal, Moderate
	Bile Duct	Basophilic Focus	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 8-6.01]			
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-9.01]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-9.01]			
* Lymph Node, Mesenteric	Lymphatic	Angiectasis	Marked
[Angiectasis TGLS = 9-8]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-8]			
* Preputial Gland		Abscess	Mild
* Seminal Vesicle		Dilatation	Marked
[Dilatation TGLS = 3-14]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 263

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890316

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 5-3]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 1+2-7]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 264

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890317

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6.01.1]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-15]			
* Nose		Inflammation	Chronic, Moderate
* Pancreas	Acinus	Atrophy	Mild
* Seminal Vesicle		Atrophy	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 265

TRT#: 7

SEX: Male

DAY ON TEST: 462

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 88287265

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Minimal
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 266

TRT#: 7

SEX: Male

DAY ON TEST: 590

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 890318

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland
* Nose	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Moderate
* Kidney		Nephropathy	Mild
	Renal Tubule	Pigmentation	Bile, Marked
	[Pigmentation TGLS = 5-4]		
* Liver		Fatty Change	Moderate
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 3-6.01]		
	[Leukemia Mononuclear TGLS = 8-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Moderate
* Prostate		Hyperplasia	Focal, Moderate
		Inflammation	Chronic, Moderate
* Seminal Vesicle		Atrophy	Moderate
* Spleen		Congestion	Moderate
		Leukemia Mononuclear	
	[Congestion TGLS = 7-3.01]		
	[Leukemia Mononuclear TGLS = 2-3]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 266

TRT#: 7

SEX: Male

DAY ON TEST: 590

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 890318

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 267

TRT#: 7

SEX: Male

DAY ON TEST: 275

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 871975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Mammary Gland	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Inflammation	Chronic, Focal, Minimal
* Kidney		Nephropathy	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Mild
* Testes	Bilateral, Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 268

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890319

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 1-15]			
* Nose		Fungus	Marked
* Pancreas	Acinus	Atrophy	Marked
* Seminal Vesicle		Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 269

TRT#: 7

SEX: Male

DAY ON TEST: 275

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 871976

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart	Atrium	Dilatation	Marked
[Dilatation TGLS = 1-2]			
* Liver		Developmental Malformation	
[Developmental Malformation TGLS = 2-3]			
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Preputial Gland		Inflammation	Chronic, Focal, Mild
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 270

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Heart		Cardiomyopathy	Marked
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Mild
[Basophilic Focus TGLS = 3-6.1]			
[Fatty Change TGLS = 2-6]			
* Nose		Inflammation	Acute, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Abscess	Mild
* Seminal Vesicle		Dilatation	Marked
[Dilatation TGLS = 4-14]			
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 271

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Marked
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-6]			
* Nose		Fungus	Marked
		Polyp	
* Pancreas	Artery	Hypertrophy	Marked
[Hypertrophy TGLS = 1-9.01]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Ectasia	Moderate
[Ectasia TGLS = 5-10]			
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLS = 3-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 272

TRT#: 7

SEX: Male

DAY ON TEST: 276

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 871977

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Pancreas
* Parathyroid Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	
* Liver		Developmental Malformation	
[Developmental Malformation TGLS = 1-2]			
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Minimal
* Nose		Inflammation	Chronic, Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Mild
* Testes	Bilateral, Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 273

TRT#: 7

SEX: Male

DAY ON TEST: 639

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 890322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	Lymph Node	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 4-15]			
* Nose		Fungus	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Prostate		Atrophy	Marked
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLS = 5-14]			
* Skin		Fibroma	
[Fibroma TGLS = 1-16+16.01]			
* Spleen		Infarct	Moderate
[Infarct TGLS = 6-3]		Inflammation	Acute, Marked
[Inflammation TGLS = 7-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2+3-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 274

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890323

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Epididymis	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Marked
* Brain		Hemorrhage	Mild
* Heart		Cardiomyopathy	Mild
		Hypertrophy	Moderate
[Hypertrophy TGLS = 7-13]			
* Kidney	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Bile, Mild
* Liver	Bile Duct	Developmental Malformation	
		Hyperplasia	Marked
		Leukemia Mononuclear	
[Developmental Malformation TGLS = 5-6.01]			
[Hyperplasia TGLS = 6-6.1]			
[Leukemia Mononuclear TGLS = 9-6]			
* Lung	Lymphatic, Pancreatic	Leukemia Mononuclear	
Lymph Node		Angiectasis	Marked
[Angiectasis TGLS = 10-9,2-9.01]			
* Lymph Node, Mandibular		Angiectasis	Marked
		Leukemia Mononuclear	
[Angiectasis TGLS = 10-9,2-9.01]			
* Mammary Gland		Lactation	Mild
* Nose		Fungus	Marked
* Prostate		Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 274

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890323

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Atrophy	Marked
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 3-3.01]		
	[Leukemia Mononuclear TGLS = 4-3]		
* Stomach, Forestomach		Hyperkeratosis	Marked
* Stomach, Glandular		Erosion	Mild
	[Erosion TGLS = 8-5]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 275

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890324

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Nose		Fungus	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Seminal Vesicle		Atrophy	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1+2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 276

TRT#: 7

SEX: Male

DAY ON TEST: 275

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 871978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Liver	* Lymph Node, Mandibular	* Mammary Gland
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Islets, Pancreatic	* Pancreas	* Parathyroid Gland
----------------------	------------	---------------------

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Preputial Gland		Inflammation	Chronic, Focal, Moderate
* Testes	Bilateral, Interstit Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 277

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Epididymis [Depletion Cellular TGLS = 1-7]		Depletion Cellular	Moderate
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic [Carcinoma TGLS = 4-9]		Carcinoma	
* Kidney		Nephropathy	Mild
* Liver [Basophilic Focus TGLS = 6-6]		Basophilic Focus	
* Nose		Fungus	Marked
* Parathyroid GI Note: NO PARATHYROID IN ORIGINAL SLIDE OR RECUT			
* Prostate		Atrophy	Moderate
* Seminal Vesicle [Atrophy TGLS = 3-14]		Atrophy	Marked
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland [Carcinoma TGLS = 5-2]	Follicular Cel	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 278

TRT#: 7

SEX: Male

DAY ON TEST: 276

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 871979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular
* Mammary Gland	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	
* Liver		Developmental Malformation	
		Hepatodiaphragmatic Nodule	
[Developmental Malformation TGLS = 2-3]			
[Hepatodiaphragmatic Nodule TGLS = 1-3.1]			
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Acute, Mild
		Inflammation	Chronic, Focal, Mild
* Pancreas		Inflammation	Chronic, Focal, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
* Preputial Gland		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 279

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890326

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Preputial Gland	* Prostate	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Epididymis		Depletion Cellular	Mild
[Depletion Cellular TGLS = 3-7]			
* Intestine Large, Colon		Parasite Metazoan	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Developmental Malformation	
[Basophilic Focus TGLS = 10-6+6.01]			
[Developmental Malformation TGLS = 7-6.01]			
Lymph Node	Lymphatic, Pancreatic	Angiectasis	Moderate
[Angiectasis TGLS = 9-8.01,6-9.01]			
* Lymph Node, Mesenteric	Lymphatic	Angiectasis	Marked
[Angiectasis TGLS = 9-8.01,6-9.01]			
* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Intermed	Cyst	
[Cyst TGLS = 8-8]			
* Seminal Vesicle		Atrophy	Marked
[Atrophy TGLS = 4-14]			
* Spleen			
Note: TGL 5 NO FOCUS SEEN IN ORIGINAL SLIDE OR RE-EMBEDDED SECTION			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 279

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890326

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1+2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 280

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890327

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 3-15]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Prostate		Atrophy	Moderate
* Seminal Vesicle		Atrophy	Marked
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 296

TRT#: 2

SEX: Female

DAY ON TEST: 282

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Focal, Moderate
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-3]			
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Nose		Inflammation	Chronic, Focal, Mild
		Metaplasia	Squamous, Mild
* Ovary			
Note: ENLARGEMENT OVARY DUE TO NORMAL CORPORA LUTEA			
* Pancreas			
Note: PANCREATIC LYMPH NODE NOT SUBMITTED			
* Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 297

TRT#: 2

SEX: Female

DAY ON TEST: 282

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lymph Node, Mandibular	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 298

TRT#: 2

SEX: Female

DAY ON TEST: 748

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890328

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | * Urinary Bladder | * Uterus |

OBSERVATIONS

- | | | | |
|-------------------------------------|---------------|------------------|------|
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| [Basophilic Focus TGLS = 1-6+6.1] | | | |
| * Mammary Gland | | Lactation | Mild |
| * Pituitary Gland | Pars Distalis | Cyst | |
| [Cyst TGLS = 2-8] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 299

TRT#: 2

SEX: Female

DAY ON TEST: 746

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 892900

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Clitoral Gland	* Thymus
------------------	----------

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Moderate
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6+6.01]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14+14.01]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 300

TRT#: 2

SEX: Female

DAY ON TEST: 463

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 88287300

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Uterus	

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
* Intestine Large, Colon		Parasite Metazoan	Mild
* Intestine Large, Rectum		Parasite Metazoan	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Nose		Inflammation	Chronic, Moderate
		Metaplasia	Squamous, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Urinary Bladder		Inflammation	Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 301

TRT#: 2

SEX: Female

DAY ON TEST: 748

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890329

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Clitoral Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Granuloma	Moderate
		Hepatodiaphragmatic Nodule	
		[Clear Cell Focus TGLS = 2-6.2]	
		[Hepatodiaphragmatic Nodule TGLS = 1-6.1]	
* Mammary Gland		Lactation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 302

TRT#: 2

SEX: Female

DAY ON TEST: 450

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 88287302

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Inflammation	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Skin		Trichoepithelioma	
	[Trichoepithelioma TGLS = 1-13]		
* Spleen		Hematopoietic Cell Proliferation	Marked
	[Hematopoietic Cell Proliferation TGLS = 2-3]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 303

TRT#: 2

SEX: Female

DAY ON TEST: 729

DOSE: 0 PPM

DISP: Natural Death

HISTO: 890330

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Clitoral Gland |
| * Esophagus | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|-------------------------------------|---------------|----------------------|---------|
| * Bone Marrow | | Hyperplasia | Mild |
| * Brain | | Hemorrhage | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 2-8] | | | |
| * Spleen | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 1-3] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 304

TRT#: 2

SEX: Female

DAY ON TEST: 748

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890331

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Harderian Gland	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Benign TGLS = 2-8.1]		Pheochromocytoma Benign	
* Kidney		Mineralization	Mild
* Liver [Basophilic Focus TGLS = 3-6,5-6.1]		Basophilic Focus	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland [Cyst TGLS = 4-8]	Pars Distalis	Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 305

TRT#: 2

SEX: Female

DAY ON TEST: 748

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890332

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland [Inflammation TGLS = 3-10]		Inflammation	Chronic, Moderate
* Kidney		Mineralization	Minimal
* Liver [Basophilic Focus TGLS = 4-6]		Basophilic Focus Clear Cell Focus	
* Mammary Gland [Fibroadenoma TGLS = 2-15] [Lactation TGLS = 1-14]		Fibroadenoma Lactation	Marked
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland [Adenoma TGLS = 5-8.1]	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 306

TRT#: 2

SEX: Female

DAY ON TEST: 281

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lymph Node, Mandibular	* Mammary Gland	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Uterus		Dilatation	Minimal

[Dilatation TGLS = 1-6]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 307

TRT#: 2

SEX: Female

DAY ON TEST: 648

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Ovary	* Parathyroid Gland	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart		Dilatation	Moderate
[Dilatation TGLS = 8-13]			
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 7-4]			
* Liver		Leukemia Mononuclear Pigmentation	Bile, Marked
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Leukemia Mononuclear Leukemia Mononuclear	
Lymph Node	Mediastinal		
[Leukemia Mononuclear TGLS = 6-3,5-9]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3,5-9]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3,5-9]			
* Mammary Gland		Lactation	Moderate
* Nose		Fungus	Marked
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8.01]			
* Salivary Glands		Depletion Cellular	Mild
[Depletion Cellular TGLS = 4-9]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3.01]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 307

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 648
HISTO: 890333

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular
[Erosion TGLS = 9-5.1]

Erosion

Moderate

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 308

TRT#: 2

SEX: Female

DAY ON TEST: 748

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890334

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Medulla | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---------------------------------|---------------|------------------------|-------------|
| * Adrenal Cortex | | Cytoplasmic Alteration | Focal, Mild |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| [Basophilic Focus TGLS = 1-6] | | | |
| * Mammary Gland | | Lactation | Marked |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | | Hemorrhage | Moderate |
| [Adenoma TGLS = 2-8.01] | | | |
| * Uterus | | Dilatation | Minimal |
| [Dilatation TGLS = 3-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 309

TRT#: 2

SEX: Female

DAY ON TEST: 748

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890335

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 4-4]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-6]		Clear Cell Focus	
* Lung	Alveolar Epith	Metaplasia	Mild
* Mammary Gland		Lactation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Salivary Glands		Depletion Cellular	Mild
[Depletion Cellular TGLS = 5-9]			
* Spleen	Capsule	Fibrosis	Moderate
[Fibrosis TGLS = 1-3.01,2-3.1]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:04
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 310

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST: 282
HISTO: 871983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Liver	* Lymph Node, Mandibular	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Lung	Peribronchial	Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 311

TRT#: 2

SEX: Female

DAY ON TEST: 677

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890336

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Kidney	Renal Tubule	Necrosis	Focal, Mild
	Renal Tubule	Pigmentation	Bile, Moderate
	[Necrosis TGLS = 7-4.01.1]		
* Liver		Fatty Change	Mild
		Hemorrhage	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Congestion	Moderate
	[Congestion TGLS = 5-3]		
* Mammary Gland		Lactation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 3-3.01]		
	[Leukemia Mononuclear TGLS = 2-3+3.01]		
* Stomach, Glandular		Erosion	Mild
	[Erosion TGLS = 9-5.1]		
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 312

TRT#: 2

SEX: Female

DAY ON TEST: 748

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890337

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Clitoral Gland [Cyst TGLS = 2-10]		Cyst	
* Kidney		Nephropathy	Mild
* Liver [Basophilic Focus TGLS = 1-6]		Basophilic Focus	
* Pancreas	Acinus	Atrophy	Mild
* Stomach, Glandular [Hypoplasia TGLS = 4-5]		Hypoplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus [Polyp Stromal TGLS = 3-7]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 313

TRT#: 2

SEX: Female

DAY ON TEST: 680

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 892901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Dilatation	Moderate
		Inflammation	Chronic, Moderate
[Dilatation TGLS = 2-10]			
* Liver		Abscess	Moderate
		Basophilic Focus	
		Granuloma	Moderate
[Abscess TGLS = 4-6.01]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14+14.01]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Salivary Glands		Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:04

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 314

TRT#: 2

SEX: Female

DAY ON TEST: 563

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Intestine Small, Duodenum		Sarcoma Stromal	Metastatic (Uterus)
[Sarcoma Stromal TGLS = 4-5.1]			
* Kidney	Renal Tubule	Pigmentation	Bile, Moderate
* Liver		Basophilic Focus	
[Sarcoma Stromal TGLS = 6-6.1]		Sarcoma Stromal	Metastatic (Uterus)
* Lymph Node, Mesenteric		Sarcoma Stromal	Metastatic (Uterus)
[Sarcoma Stromal TGLS = 8.3,5-8]			
Mesentery		Sarcoma Stromal	Metastatic (Uterus)
[Sarcoma Stromal TGLS = 7-14]			
* Pancreas		Sarcoma Stromal	Metastatic (Uterus)
[Sarcoma Stromal TGLS = 3-9.1]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 2-3]			
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
* Uterus		Sarcoma Stromal	
[Sarcoma Stromal TGLS = 1-7.1,7.2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 315

TRT#: 2

SEX: Female

DAY ON TEST: 464

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 88287315

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland [Dilatation TGLS = 1-6]		Dilatation	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland [Hyperplasia TGLS = 2-8]	Pars Distalis	Hyperplasia	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 316

TRT#: 2

SEX: Female

DAY ON TEST: 748

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890339

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 3-6.1]		
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	
	[Fibroadenoma TGLS = 1-14,2-15]		
	[Galactocele TGLS = 1-14]		
* Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 317

TRT#: 2

SEX: Female

DAY ON TEST: 748

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890340

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Basophilic Focus TGLS = 4-6+6.1]		
	[Hepatodiaphragmatic Nodule TGLS = 5-6.1]		
* Lung	Alveolar Epith	Metaplasia	Moderate
	[Metaplasia TGLS = 7-2]		
* Mammary Gland		Fibroadenoma	
		Galactocele	Multiple
		Lactation	Moderate
	[Fibroadenoma TGLS = 1-14+14.1]		
	[Galactocele TGLS = 1-14,2-15,3-16]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-8]		
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 318

TRT#: 2

SEX: Female

DAY ON TEST: 748

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890341

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 5-6]			
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Mammary Gland		Galactocele	
[Galactocele TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
[Adenoma TGLS = 3-8]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 319

TRT#: 2

SEX: Female

DAY ON TEST: 748

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890342

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6]			
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Moderate
* Mammary Gland		Fibroadenoma	
		Lactation	Moderate
[Fibroadenoma TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 320

TRT#: 2

SEX: Female

DAY ON TEST: 464

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 88287320

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 321

TRT#: 2

SEX: Female

DAY ON TEST: 463

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 88287321

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 322

TRT#: 2

SEX: Female

DAY ON TEST: 463

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 88287322

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Minimal
Harderian Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Nose		Inflammation	Chronic, Mild
* Ovary		Inflammation	Chronic, Focal, Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Marked
[Angiectasis TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 323

TRT#: 2

SEX: Female

DAY ON TEST: 747

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890343

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Inflammation	Chronic, Mild
[Inflammation TGLS = 2-10]			
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Moderate
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-15]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 7-8]			
Skeletal Muscle		Ectopic Tissue	
[Ectopic Tissue TGLS = 5-14]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Stomach, Forestomach		Hyperplasia	Squamous, Moderate
[Hyperplasia TGLS = 8-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 324

TRT#: 2

SEX: Female

DAY ON TEST: 463

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 88287324

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
* Liver		Basophilic Focus	
* Nose		Fungus	Moderate
* Pituitary Gland	Pars Distalis	Inflammation	Acute, Moderate
[Hyperplasia TGLS = 1-8]		Hyperplasia	Moderate
* Uterus		Dilatation	Moderate
[Dilatation TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:05
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 325	TRT#: 2	SEX: Female	DAY ON TEST: 464
	DOSE: 0 PPM	DISP: Scheduled Sacrifice	HISTO: 88287325

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 326

TRT#: 2

SEX: Female

DAY ON TEST: 747

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890344

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Kidney		Nephropathy	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14]		Lactation	Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Focal, Mild
[Angiectasis TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 327

TRT#: 2

SEX: Female

DAY ON TEST: 747

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890345

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Cyst	
[Cyst TGLS = 8-10]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 7-6.2]			
[Clear Cell Focus TGLS = 6-6.2]			
[Leukemia Mononuclear TGLS = 4-6+6.1+6.2]			
* Mammary Gland		Fibroadenoma	
		Galactocele	
		Lactation	Moderate
[Fibroadenoma TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
[Hyperplasia TGLS = 5-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 327

TRT#: 2

SEX: Female

DAY ON TEST: 747

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890345

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:05
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 328

TRT#: 2

SEX: Female

DAY ON TEST: 282

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871984

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Mandibular	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 329

TRT#: 2

SEX: Female

DAY ON TEST: 660

DOSE: 0 PPM

DISP: Natural Death

HISTO: 890346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum
--------------------------	--------------------------	--------------------------

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Brain		Compression	Marked
* Clitoral Gland		Dilatation	Moderate
[Dilatation TGLS = 4-10]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6.1]			
* Lymph Node, Mesenteric		Depletion Lymphoid	Marked
* Mammary Gland		Lactation	Marked
* Nose		Inflammation	Acute, Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Spleen		Depletion Lymphoid	Moderate
* Thymus		Depletion Lymphoid	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:05
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 330

TRT#: 2

SEX: Female

DAY ON TEST: 281

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Heart		Inflammation	Chronic, Focal, Minimal
* Kidney		Mineralization	Focal, Mild
		Nephropathy	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Giant Cell	Minimal
* Nose		Inflammation	Chronic, Focal, Mild
* Uterus		Dilatation	Mild

[Dilatation TGLS = 1-6]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 331

TRT#: 2

SEX: Female

DAY ON TEST: 747

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890347

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Clitoral Gland		Dilatation	Marked
[Dilatation TGLS = 2-10]			
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5-6]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 4-10,1-14+14.1]		Galactocele	
* Pituitary Gland	Pars Distalis	Angiectasis	Marked
	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 332

TRT#: 2

SEX: Female

DAY ON TEST: 747

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890348

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
		Pheochromocytoma Benign	
* Bone		Hyperostosis	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
[Nephropathy TGLS = 3-4]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2+4-6]			
* Mammary Gland		Lactation	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 333

TRT#: 2

SEX: Female

DAY ON TEST: 463

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 88287333

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Mild
Note: NO CORRELATE FOR GROSS NODULE SEEN			
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 334

TRT#: 2

SEX: Female

DAY ON TEST: 660

DOSE: 0 PPM

DISP: Natural Death

HISTO: 890349

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Uterus		

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver		Fatty Change	Marked
		Leukemia Mononuclear	
[Fatty Change TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
		Necrosis	Focal, Marked
[Necrosis TGLS = 11-2.1]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3,3-9,4-8,1-9]			
[Leukemia Mononuclear TGLS = 10-3,3-9,4-8,1-9]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3,3-9,4-8,1-9]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3,3-9,4-8,1-9]			
* Mammary Gland		Lactation	Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 9-14]			
* Ovary		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:05
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 334	TRT#: 2 DOSE: 0 PPM	SEX: Female DISP: Natural Death	DAY ON TEST: 660 HISTO: 890349
-----------------------	--------------------------------------	--	---

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 12-7]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
[Angiectasis TGLS = 6-8]			
* Salivary Glands		Hypoplasia	Mild
[Hypoplasia TGLS = 7-9]			
* Spleen		Leukemia Mononuclear	
Note: TGL 8 NO CYST SEEN IN ORIGINAL SLIDE OR RECUT			
[Leukemia Mononuclear TGLS = 2-3.1]			
* Stomach, Glandular		Erosion	Marked
[Erosion TGLS = 13-5]			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 335

TRT#: 2

SEX: Female

DAY ON TEST: 728

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890350

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain		Compression	Moderate
* Clitoral Gland		Cyst	
[Cyst TGLS = 3-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-6+6.1]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14]		Lactation	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Spleen		Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 5-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 336

TRT#: 2

SEX: Female

DAY ON TEST: 747

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890351

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6.1,3-6+6.1]			
* Pituitary Gland	Pars Distalis	Cyst	
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Abscess	Marked
[Abscess TGLS = 1-7.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 337

TRT#: 2

SEX: Female

DAY ON TEST: 747

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890352

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart	Cardiomyopathy	Moderate
* Kidney	Mineralization	Minimal
* Liver	Basophilic Focus	
* Mammary Gland	Fibroadenoma	Multiple
	Fibrosarcoma	
	Galactocele	
	Lactation	Mild
[Fibroadenoma TGLS = 1-14+14.1,2-15]		
[Fibrosarcoma TGLS = 1-14.1]		
* Nose		
Note: TGL 4 NO DIAGNOSTIC ABNORMALITY IN SLIDE OR RECUT		
* Pituitary Gland	Pars Distalis	Adenoma
[Adenoma TGLS = 3-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 338

TRT#: 2

SEX: Female

DAY ON TEST: 463

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 88287338

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Minimal
* Nose		Inflammation	Chronic, Mild
* Uterus	Endometrium	Fibrosis	Mild
[Fibrosis TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 339

TRT#: 2

SEX: Female

DAY ON TEST: 662

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890353

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Inflammation	Acute, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule	Pigmentation	Bile, Moderate
* Liver		Fatty Change	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Leukemia Mononuclear	
		Necrosis	Focal, Moderate
	[Necrosis TGLS = 4+5-2]		
Lymph Node	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-14,8-9,7-3]		
	[Leukemia Mononuclear TGLS = 2-14,8-9,7-3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-14,8-9,7-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-14,8-9,7-3]		
* Nose			
	Note: TGL 9 NO NASAL ACCUMULATION IN ORIGINAL SLIDE OR RECUT		
* Pancreas	Acinus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 339

TRT#: 2

SEX: Female

DAY ON TEST: 662

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890353

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland

Pars Distalis

Adenoma

[Adenoma TGLS = 6-8]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-3.1]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 340

TRT#: 2

SEX: Female

DAY ON TEST: 281

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mandibular		Giant Cell	Mild
* Lymph Node, Mesenteric		Giant Cell	Moderate
* Nose		Inflammation	Chronic, Focal, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 341

TRT#: 2

SEX: Female

DAY ON TEST: 551

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890354

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone		Hyperostosis	Moderate
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
* Mammary Gland		Lactation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8.01]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2-3]			
* Uterus		Sarcoma Stromal	
[Sarcoma Stromal TGLS = 1-14+14.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 342

TRT#: 2

SEX: Female

DAY ON TEST: 747

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890355

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Intestine Large, Cecum		Parasite Metazoan	Moderate
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Granuloma	Mild
[Basophilic Focus TGLS = 3-6]			
* Lymph Node, Mesenteric		Granuloma	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Granuloma	Marked
[Granuloma TGLS = 2-3]			
* Uterus		Dilatation	Moderate
[Dilatation TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 343

TRT#: 2

SEX: Female

DAY ON TEST: 260

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 872524

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Brain [Congestion TGLS = 2-1]	Congestion	Minimal
* Clitoral Gland	Inflammation	Chronic, Minimal
* Intestine Large, Cecum [Dilatation TGLS = 3-7]	Dilatation	Moderate
* Kidney	Mineralization	Mild
* Liver	Fatty Change	Mild
* Lymph Node, Mandibular [Congestion TGLS = 1-9]	Congestion	Mild
* Lymph Node, Mesenteric [Congestion TGLS = 1-9]	Congestion Giant Cell	Moderate Mild
* Nose	Fungus	Marked
* Spleen	Pigmentation	Hemosiderin, Mild
* Thymus	Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 344

TRT#: 2

SEX: Female

DAY ON TEST: 747

DOSE: 0 PPM

DISP: Dead

HISTO: 890356

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Cortex	Adrenal Medulla	Bone	Esophagus
Intestine Large, Colon	Intestine Large, Rectum	Intestine Small, Duodenum	Intestine Small, Ileum
Intestine Small, Jejunum	Islets, Pancreatic	Lung	Lymph Node, Mandibular
Lymph Node, Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach, Forestomach
Stomach, Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Bone Marrow		Hyperplasia	Moderate
Brain		Compression	Moderate
Clitoral Gland		Dilatation	Moderate
[Dilatation TGLS = 2-10]			
Heart		Cardiomyopathy	Moderate
[Cardiomyopathy TGLS = 8-13.1]			
Intestine Large, Cecum		Autolysis	Moderate
[Autolysis TGLS = 3-5.1]			
Kidney		Mineralization	Marked
[Mineralization TGLS = 5-4]		Nephropathy	Moderate
Liver		Abscess	Marked
[Abscess TGLS = 6+7-6]			
Mammary Gland		Adenocarcinoma	
[Adenocarcinoma TGLS = 1-14.1]		Lactation	Marked
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-8.1]			
Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 4-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 345

TRT#: 2

SEX: Female

DAY ON TEST: 747

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890357

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland [Dilatation TGLS = 2-10]		Dilatation	Moderate
* Kidney		Mineralization Nephropathy Basophilic Focus	Mild Minimal
* Liver [Basophilic Focus TGLS = 3-6]		Lactation	Moderate
* Mammary Gland		Adenoma	
* Pituitary Gland [Adenoma TGLS = 1-8]	Pars Distalis Pars Distalis	Hyperplasia	Focal, Moderate
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 346

TRT#: 2

SEX: Female

DAY ON TEST: 464

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 88287346

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Minimal
* Kidney		Nephropathy	Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Nose		Inflammation	Chronic, Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 347

TRT#: 2

SEX: Female

DAY ON TEST: 675

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890358

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus	Zymbal's Gland		

MISSING

* Thymus

OBSERVATIONS

* Bone		Hyperostosis	Mild
* Bone Marrow		Hyperplasia	Mild
Ear		Squamous Cell Carcinoma	Metastatic (Ear)
[Squamous Cell Carcinoma TGLS = 4-15,16]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Moderate
[Basophilic Focus TGLS = 6-6]			
* Lung		Squamous Cell Carcinoma	Metastatic (Ear)
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
[Infiltration Cellular TGLS = 1-9]			
* Mammary Gland		Lactation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 3-3]			
* Stomach, Glandular		Erosion	Marked
[Erosion TGLS = 7-5]			
Vagina		Dilatation	Moderate
[Dilatation TGLS = 2-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 347

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 675

HISTO: 890358

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 348

TRT#: 2

SEX: Female

DAY ON TEST: 613

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890359

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Clitoral Gland
* Esophagus	Eye	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

Blood		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14]			
* Bone		Hyperostosis	Moderate
* Bone Marrow		Hyperplasia	Moderate
Eye			
Note: TGL 2 NO BILE PIGMENT SEEN IN EYE			
* Kidney	Renal Tubule	Nephropathy	Mild
		Pigmentation	Bile, Mild
* Liver		Fatty Change	Moderate
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 6-6]			
[Leukemia Mononuclear TGLS = 7-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Congestion	Moderate
[Congestion TGLS = 3-9]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
* Pancreas			
Note: TGL 4 NO PIGMENT SEEN IN PANCREAS			
* Parathyroid Gland		Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 348

TRT#: 2

SEX: Female

DAY ON TEST: 613

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890359

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 9-8]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 5-3.01]

* Stomach, Forestomach

Ulcer

Marked

[Ulcer TGLS = 8-5]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 349

TRT#: 2

DOSE: 0 PPM

SEX: Female

DISP: Natural Death

DAY ON TEST: 575

HISTO: 890360

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|------------------------|-------------------|-------------------|----------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Heart | * Islets, Pancreatic |
| * Mammary Gland | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Pituitary Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Thymus | * Thyroid Gland | * Trachea |
| * Uterus | | | |

AUTO PRECLUDES DIAG.

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Urinary Bladder | |

OBSERVATIONS

- | | | | |
|--------------------------|--------------|----------------------|--------------------|
| * Bone Marrow | | Leukemia Mononuclear | |
| * Kidney | Renal Tubule | Degeneration | Granular, Moderate |
| | | Mineralization | Moderate |
| * Liver | | Leukemia Mononuclear | |
| | | Necrosis | Focal, Moderate |
| | | | |
| | | | |
| * Lung | | Leukemia Mononuclear | |
| | | Necrosis | Focal, Marked |
| | | | |
| | | | |
| | | | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | | | |
| | | | |
| | | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | | | |
| * Spleen | | Infarct | Marked |
| | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 349

TRT#: 2

SEX: Female

DAY ON TEST: 575

DOSE: 0 PPM

DISP: Natural Death

HISTO: 890360

ORGAN AND ACCOUNTABLE SITE STATUS

[Infarct TGLS = 2-3.01]

[Leukemia Mononuclear TGLS = 1-3.02]

* Stomach, Glandular

Erosion

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 350

TRT#: 2

SEX: Female

DAY ON TEST: 282

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Kidney	Renal Tubule	Regeneration	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Marked
* Nose		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 351

TRT#: 2

SEX: Female

DAY ON TEST: 747

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
		Basophilic Focus	
* Liver			
[Basophilic Focus TGLS = 1-6]			
* Mammary Gland		Lactation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 352

TRT#: 2

SEX: Female

DAY ON TEST: 747

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890362

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral GI			
Note: TGL 3 NO CLITORAL GLANDS FOUND AT TRIMMING			
* Heart		Cardiomyopathy	Marked
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 7-6+6.01+6.02]			
[Hepatodiaphragmatic Nodule TGLS = 5-6.01]			
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	
		Lactation	Marked
[Fibroadenoma TGLS = 1-14,2-15]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			
* Uterus	Endometrium	Cyst	
[Cyst TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 353

TRT#: 2

SEX: Female

DAY ON TEST: 684

DOSE: 0 PPM

DISP: Natural Death

HISTO: 892902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Rectum	* Islets, Pancreatic
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Uterus	

MISSING

* Clitoral Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Kidney		Mineralization	Marked
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-9,8-8,4-3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-9,8-8,4-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-9,8-8,4-3]		
* Mammary Gland		Lactation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
	[Hyperplasia TGLS = 5+6-8]		
* Skin		Basal Cell Adenoma	
	[Basal Cell Adenoma TGLS = 1-14]		
* Spleen		Autolysis	Moderate
	[Autolysis TGLS = 7-3.01]		
	[Leukemia Mononuclear TGLS = 3-3+3.01]	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 353

TRT#: 2

SEX: Female

DAY ON TEST: 684

DOSE: 0 PPM

DISP: Natural Death

HISTO: 892902

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 354

TRT#: 2

SEX: Female

DAY ON TEST: 747

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890363

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Ovary
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Dilatation	Marked
		Inflammation	Acute, Mild
[Dilatation TGLS = 4-10]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lymph Node, Mesenteric		Congestion	Moderate
* Mammary Gland		Lactation	Marked
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 355

TRT#: 2

SEX: Female

DAY ON TEST: 747

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890364

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Clitoral Gland [Dilatation TGLS = 3-10]		Dilatation	Marked
* Kidney		Mineralization Nephropathy	Moderate Moderate
* Liver [Basophilic Focus TGLS = 1-6]		Basophilic Focus	
* Mammary Gland		Lactation	Mild
* Nose		Fungus	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus [Hyperplasia TGLS = 2-7.1]	Endometrium	Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 356

TRT#: 2

SEX: Female

DAY ON TEST: 650

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890365

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Brain	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Marked
Blood		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-15]			
* Bone		Hyperostosis	Moderate
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Dilatation	Marked
[Dilatation TGLS = 2-10]			
Eye	Retina	Degeneration	Marked
[Degeneration TGLS = 11-14]			
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 12-4]			
* Liver		Fatty Change	Marked
[Leukemia Mononuclear TGLS = 6-6]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-9,7-3,5-9]			
[Leukemia Mononuclear TGLS = 1-9,7-3,5-9]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-9,7-3,5-9]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-9,7-3,5-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:05
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 356

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 650
HISTO: 890365

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland		Lactation	Moderate
* Ovary		Granulosa Cell Tumor Benign	
[Granulosa Cell Tumor Benign TGLS = 4-7.01]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-8.1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3.01]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 357

TRT#: 2

SEX: Female

DAY ON TEST: 649

DOSE: 0 PPM

DISP: Moribund Sacrifice

HISTO: 890366

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Marked
* Heart		Leukemia Mononuclear	
* Islets Panc			
Note: PANCREAS REPLACED BY LEUKEMIA, RARE ISLETS IN MASS B			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Developmental Malformation	
		Fatty Change	Moderate
		Leukemia Mononuclear	
		[Developmental Malformation TGLS = 4-6.01]	
		[Leukemia Mononuclear TGLS = 12-6]	
* Lung		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6+11-2+3]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Moderate
* Pancreas	Acinus	Atrophy	Marked
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-9.01,2-9.02]	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
		[Hyperplasia TGLS = 7-8]	
* Spleen		Congestion	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:05
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 357

TRT#: 2
DOSE: 0 PPM

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 649
HISTO: 890366

ORGAN AND ACCOUNTABLE SITE STATUS

[Congestion TGLS = 9-3.01]		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 3-3.01]		
* Stomach, Glandular		Leukemia Mononuclear
* Thymus		Leukemia Mononuclear
[Leukemia Mononuclear TGLS = 10-3]		
* Thyroid Gland	C Cell	Adenoma
[Adenoma TGLS = 13-2]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 358

TRT#: 2

SEX: Female

DAY ON TEST: 282

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	Eye	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Mandibular	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Mild
Eye			
Note: ONLY TISSUE SUBMITTED IS NORMAL LENS			
* Heart		Inflammation	Chronic, Focal, Minimal
* Lung		Granuloma	Mild
	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 359

TRT#: 2

SEX: Female

DAY ON TEST: 747

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|---------------------------------------|---------------|----------------------|-----------------|
| * Clitoral Gland | | Inflammation | Acute, Moderate |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Leukemia Mononuclear | |
| [Basophilic Focus TGLS = 5-6] | | | |
| [Clear Cell Focus TGLS = 4-6] | | | |
| [Leukemia Mononuclear TGLS = 1+3-6] | | | |
| * Mammary Gland | | Lactation | Moderate |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 2-8] | | | |
| * Spleen | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 360

TRT#: 2

SEX: Female

DAY ON TEST: 747

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Clitoral Gland

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland			
Note: CLITORAL GLAND ENGULFED BY MASS B			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Moderate
* Kidney		Mineralization	Moderate
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6.1]			
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	
		Lactation	Moderate
[Fibroadenoma TGLS = 1-14+14.01,2-15+15.01]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
[Hyperplasia TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 361

TRT#: 2

SEX: Female

DAY ON TEST: 747

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890369

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Dilatation	Marked
		Inflammation	Acute, Mild
[Dilatation TGLS = 2-10.01]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Mammary Gland		Lactation	Marked
* Parathyroid Gland		Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Skin		Hyperkeratosis	Mild
[Hyperkeratosis TGLS = 1-10.1]			
* Spleen		Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 3-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 362

TRT#: 2

SEX: Female

DAY ON TEST: 668

DOSE: 0 PPM

DISP: Natural Death

HISTO: 890370

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain		Compression	Moderate
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Rectum		Parasite Metazoan	Moderate
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 3-6]			
* Lymph Node, Mesenteric		Congestion	Marked
* Mammary Gland		Lactation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 363

TRT#: 2

SEX: Female

DAY ON TEST: 281

DOSE: 0 PPM

DISP: Scheduled Sacrifice

HISTO: 871989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Mandibular	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 364

TRT#: 2

SEX: Female

DAY ON TEST: 747

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890371

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Mineralization	Mild
		Nephropathy	Moderate
		Basophilic Focus	
* Liver			
[Basophilic Focus TGLS = 3-6]			
* Mammary Gland		Fibroadenoma	
		Galactocele	
		Lactation	Moderate
[Fibroadenoma TGLS = 1-10.01]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 2-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Uterus		Dilatation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 365

TRT#: 2

SEX: Female

DAY ON TEST: 747

DOSE: 0 PPM

DISP: Terminal Sacrifice

HISTO: 890372

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone		Hyperostosis	Marked
[Hyperostosis TGLS = 7-11+12+14]			
* Clitoral Gland		Cyst	
[Cyst TGLS = 2-10]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5-6]			
* Mammary Gland		Fibroadenoma	
		Galactocele	
		Lactation	Moderate
[Fibroadenoma TGLS = 1-10.01]			
* Ovary		Cyst	
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 6-8]			
* Uterus		Dilatation	Moderate
[Dilatation TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 366

TRT#: 4

SEX: Female

DAY ON TEST: 721

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Brain		Compression	
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Atrophy	Mild
		Basophilic Focus	
		Clear Cell Focus	
[Atrophy TGLS = 3-6]			
[Basophilic Focus TGLS = 4-6]			
* Mammary Gland		Fibroadenoma	
		Lactation	Marked
[Fibroadenoma TGLS = 5-14+14.1]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8.1]			
* Spleen		Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 1-3]			
* Thymus		Depletion Lymphoid	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 367

TRT#: 4

SEX: Female

DAY ON TEST: 463

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 88287367

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--|---------------|-------------------------|------------------|
| * Clitoral Gland | | Inflammation | Chronic, Mild |
| * Liver | | Basophilic Focus | |
| * Nose | | Inflammation | Chronic, Minimal |
| * Pituitary Gland | Pars Distalis | Cyst | |
| * Stomach, Forestomach | | Squamous Cell Papilloma | |
| [Squamous Cell Papilloma TGLS = 1-5] | | | |
| * Uterus | | Dilatation | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 368

TRT#: 4

SEX: Female

DAY ON TEST: 450

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 88287368

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-13]			
* Nose		Inflammation	Chronic, Mild
* Pancreas	Artery	Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 369

TRT#: 4

SEX: Female

DAY ON TEST: 743

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland [Abscess TGLS = 1-10]		Abscess	Mild
* Heart		Pigmentation	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 4-6]		Basophilic Focus	
		Leukemia Mononuclear	
* Mammary Gland		Lactation	Moderate
Mesentery [Necrosis TGLS = 2-14]	Fat	Necrosis	Moderate
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland [Adenoma TGLS = 5-8]	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus [Polyp Stromal TGLS = 3-7]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 370

TRT#: 4

SEX: Female

DAY ON TEST: 712

DOSE: 100 PPM

DISP: Natural Death

HISTO: 893613

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Islets, Pancreatic
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Stomach, Forestomach
- * Trachea

- * Adrenal Medulla
- * Clitoral Gland
- * Liver
- * Nose
- * Salivary Glands
- * Stomach, Glandular
- * Uterus

- * Bone
- * Esophagus
- * Lung
- * Ovary
- * Skin
- * Thymus

- * Bone Marrow
- * Heart
- * Lymph Node, Mandibular
- * Pancreas
- * Spleen
- * Thyroid Gland

AUTO PRECLUDES DIAG.

- * Intestine Large, Cecum
- * Intestine Small, Ileum

- * Intestine Large, Colon
- * Intestine Small, Jejunum

- * Intestine Large, Rectum
- * Urinary Bladder

- * Intestine Small, Duodenum

OBSERVATIONS

- * Kidney
- * Mammary Gland
- * Pituitary Gland
- [Adenoma TGLS = 1-8.1]

Pars Distalis

- Mineralization
- Nephropathy
- Lactation
- Adenoma

- Mild
- Mild
- Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 371

TRT#: 4

SEX: Female

DAY ON TEST: 743

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893614

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 2-2.1]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 372

TRT#: 4

SEX: Female

DAY ON TEST: 743

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893615

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	Zymbal's Gland		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Minimal
* Kidney		Mineralization	Moderate
		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-6]			
* Mammary Gland		Lactation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Dilatation	Marked
[Dilatation TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 373

TRT#: 4

SEX: Female

DAY ON TEST: 743

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893616

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Islets, Pancreatic		Adenoma	
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6]			
* Mammary Gland		Fibroadenoma	
		Galactocele	
		Lactation	Mild
[Fibroadenoma TGLS = 1-14+14.01]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 374

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893617

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
		Lactation	Moderate
[Fibroadenoma TGLS = 1-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Mild
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Dilatation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 375

TRT#: 4

SEX: Female

DAY ON TEST: 743

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Inflammation	Chronic, Mild
[Inflammation TGLS = 3-10.1]			
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
	Renal Tubule	Pigmentation	Bile, Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Granuloma	Moderate
		Hepatocellular Adenoma	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 9+12-6.01]			
[Leukemia Mononuclear TGLS = 8-6+6.01]			
* Lung		Fibrosarcoma	Metastatic (Skin)
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-9]			
* Lymph Node, Mandibular		Cyst	
		Fibrosarcoma	Metastatic (Skin)
[Cyst TGLS = 4-9]			
* Mammary Gland		Lactation	Moderate
* Parathyroid Gland		Adenoma	
[Adenoma TGLS = 10-2]			
* Pituitary Gland	Pars Distalis	Angiectasis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:05
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 375

TRT#: 4
DOSE: 100 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 743
HISTO: 893618

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 11-8]	Pars Distalis	Hyperplasia	Focal, Mild
* Skin [Fibrosarcoma TGLS = 2-14]		Fibrosarcoma	
* Spleen [Leukemia Mononuclear TGLS = 6-3]		Leukemia Mononuclear	
* Uterus [Cyst TGLS = 5-7.1]	Endometrium	Cyst	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 376

TRT#: 4

SEX: Female

DAY ON TEST: 685

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893619

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Cyst	
[Cyst TGLS = 1-10]			
* Kidney	Renal Tubule	Nephropathy	Minimal
		Pigmentation	Bile, Mild
* Liver		Basophilic Focus	
[Leukemia Mononuclear TGLS = 5-6]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-9.1,3-14,7-8.1,6-3.2]			
[Leukemia Mononuclear TGLS = 2-9.1,3-14,7-8.1,6-3.2]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-9.1,3-14,7-8.1,6-3.2]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-9.1,3-14,7-8.1,6-3.2]			
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3.1]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 8-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:05
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 376

TRT#: 4

SEX: Female

DAY ON TEST: 685

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893619

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 9-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 377

TRT#: 4

SEX: Female

DAY ON TEST: 743

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893620

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

Eye		Cataract	Mild
[Cataract TGLS = 1-14]			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 6-6]			
* Mammary Gland		Adenocarcinoma	
[Adenocarcinoma TGLS = 2-15]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 3-16]			
* Pancreas	Acinus	Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 5-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 378

TRT#: 4

SEX: Female

DAY ON TEST: 660

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain		Compression	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6.1]			
* Mammary Gland		Lactation	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8.1]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 5-5.1]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 379

TRT#: 4

SEX: Female

DAY ON TEST: 743

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Malignant TGLS = 2-8.1]		Pheochromocytoma Malignant	
* Bone [Hyperostosis TGLS = 5-15]		Hyperostosis	
* Kidney		Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 3+4-6+6.1]		Basophilic Focus	
* Lung		Pheochromocytoma Malignant	Metastatic (Adrenal Medulla)
* Mammary Gland [Fibroadenoma TGLS = 1-14+14.1] [Galactocele TGLS = 1-14]		Fibroadenoma Galactocele Lactation	Marked
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Skin		Fibroma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 380

TRT#: 4

SEX: Female

DAY ON TEST: 464

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 88287380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart	Coron Artery	Inflammation	Chronic, Moderate
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Mild
* Liver		Basophilic Focus	
* Nose		Inflammation	Chronic, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 381

TRT#: 4

SEX: Female

DAY ON TEST: 741

DOSE: 100 PPM

DISP: Natural Death

HISTO: 893623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------|--------------------------|------------------|-------------|
| * Bone | * Brain | * Clitoral Gland | * Esophagus |
| * Lung | * Lymph Node, Mandibular | * Nose | * Ovary |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Thymus |
| * Thyroid Gland | * Trachea | * Uterus | |

AUTO PRECLUDES DIAG.

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lymph Node, Mesenteric | * Pancreas | * Pituitary Gland |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Urinary Bladder |

OBSERVATIONS

- | | | |
|------------------------------------|----------------|---------------|
| * Bone Marrow | Hyperplasia | Mild |
| * Heart | Cardiomyopathy | Mild |
| * Kidney | Cyst | |
| [Cyst TGLS = 2-4.01] | | |
| * Liver | Necrosis | Focal, Marked |
| [Necrosis TGLS = 3-6] | | |
| * Mammary Gland | Fibroadenoma | |
| [Fibroadenoma TGLS = 1-14+14.01] | Lactation | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 382

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone		Hyperostosis	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 383

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893625

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone		Hyperostosis	Marked
[Hyperostosis TGLS = 4-11+12+14]			
* Bone Marrow		Hyperplasia	Moderate
* Brain		Astrocytoma Malignant	
[Astrocytoma Malignant TGLS = 6-1]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6.01,5-6.01]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-2+3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Moderate
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-10.1]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 383

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893625

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-3]

* Thyroid Gland

C Cell

Carcinoma

[Carcinoma TGLS = 7-2]

* Urinary Bladder

Hyperplasia

Focal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 384

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Moderate
* Brain		Compression	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Moderate
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Granuloma	Marked
[Granuloma TGLS = 5-6]			
* Mammary Gland		Adenocarcinoma	
		Galactocele	
		Lactation	Marked
[Adenocarcinoma TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8.1]			
* Stomach, Forestomach		Hyperkeratosis	Moderate
		Inflammation	Subacute, Moderate
* Stomach, Glandular		Depletion Cellular	Moderate
[Depletion Cellular TGLS = 6-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 385

TRT#: 4

SEX: Female

DAY ON TEST: 281

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 872144

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Intestine Large, Rectum		Parasite Metazoan	
* Kidney		Mineralization	Focal, Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
		Metaplasia	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 386

TRT#: 4

SEX: Female

DAY ON TEST: 282

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 872145

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Lymph Node, Mandibular
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 387

TRT#: 4

SEX: Female

DAY ON TEST: 494

DOSE: 100 PPM

DISP: Natural Death

HISTO: 893627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Clitoral Gland
- * Intestine Large, Rectum
- * Lymph Node, Mesenteric
- * Pancreas
- * Skin
- * Thyroid Gland

- * Adrenal Medulla
- * Esophagus
- * Islets, Pancreatic
- * Mammary Gland
- * Parathyroid Gland
- * Stomach, Forestomach
- * Trachea

- * Bone
- * Heart
- * Lung
- * Nose
- * Pituitary Gland
- * Stomach, Glandular

- * Brain
- * Intestine Large, Colon
- * Lymph Node, Mandibular
- * Ovary
- * Salivary Glands
- * Thymus

AUTO PRECLUDES DIAG.

- * Intestine Large, Cecum
- * Kidney

- * Intestine Small, Duodenum
- * Urinary Bladder

- * Intestine Small, Ileum

- * Intestine Small, Jejunum

OBSERVATIONS

- * Bone Marrow
- * Liver
- * Spleen
- * Uterus

- Hyperplasia
- Basophilic Focus
- Fatty Change
- Hematopoietic Cell Proliferation
- Polyp Stromal

- Mild
- Minimal
- Marked

Note: TOO AUTOLYZED FOR FURTHER DIAGNOSIS

[Polyp Stromal TGLS = 1-7.1+7.2]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 388

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Mammary Gland		Lactation	Mild
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 1-14]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
[Adenoma TGLS = 2-8.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 389

TRT#: 4

SEX: Female

DAY ON TEST: 464

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 88287389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Liver	Basophilic Focus	
	Developmental Malformation	
* Nose	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 390

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex [Cytoplasmic Alteration TGLS = 8-8]		Cytoplasmic Alteration	Focal, Marked
* Adrenal Medulla		Hyperplasia	Focal, Mild
* Bone Marrow		Hyperplasia	Marked
* Brain [Hemorrhage TGLS = 14+15-1]		Hemorrhage	Moderate
* Kidney [Pigmentation TGLS = 9-4]	Renal Tubule	Pigmentation	Bile, Moderate
* Liver [Leukemia Mononuclear TGLS = 10-6] [Necrosis TGLS = 16-6.1]		Leukemia Mononuclear Necrosis	Focal, Mild
* Lung [Leukemia Mononuclear TGLS = 12-2+3]		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 7-14,6-9,3-8.1,11-3]	
		[Leukemia Mononuclear TGLS = 7-14,6-9,3-8.1,11-3]	
* Lymph Node, Mandibular [Leukemia Mononuclear TGLS = 7-14,6-9,3-8.1,11-3]		Leukemia Mononuclear	
* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 7-14,6-9,3-8.1,11-3]		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:05
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 390	TRT#: 4 DOSE: 100 PPM	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 744 HISTO: 893629
-----------------------	--	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Fibroadenoma TGLS = 2-15+15.1]		Fibroadenoma	
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland [Hyperplasia TGLS = 13-8]	Pars Distalis	Hyperplasia	Focal, Marked
* Spleen [Leukemia Mononuclear TGLS = 4-3.1] [Necrosis TGLS = 5-3.1]		Leukemia Mononuclear Necrosis	Focal, Moderate
* Stomach, Glandular [Erosion TGLS = 17-5]		Erosion	Moderate
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 391

TRT#: 4

SEX: Female

DAY ON TEST: 282

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 872146

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Minimal
* Clitoral Gland		Inflammation	Chronic, Focal, Minimal
* Kidney		Mineralization	Focal, Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric [Giant Cell TGLS = 1-8]		Giant Cell	Marked
* Nose		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 392

TRT#: 4

SEX: Female

DAY ON TEST: 281

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 872147

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Mammary Gland
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Stomach, Forestomach

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Heart		Inflammation	Chronic, Focal, Minimal
* Kidney		Mineralization	Focal, Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Minimal
* Nose		Inflammation	Chronic, Focal, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 393

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893630

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Salivary Glands
Skeletal Muscle	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Minimal
[Adenoma TGLS = 3-8]			
* Skin		Fibroma	
[Fibroma TGLS = 2-14]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 394

TRT#: 4

SEX: Female

DAY ON TEST: 282

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 872148

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Minimal
* Kidney		Mineralization	Focal, Minimal
* Lung	Peribronchial	Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:05
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 395	TRT#: 4	SEX: Female	DAY ON TEST: 281
	DOSE: 100 PPM	DISP: Scheduled Sacrifice	HISTO: 872149

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Liver	* Lymph Node, Mandibular	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Islets, Pancreatic		Hypoplasia	Minimal
* Kidney		Mineralization	Focal, Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Minimal
* Nose		Inflammation	Chronic, Focal, Mild
* Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 396

TRT#: 4

SEX: Female

DAY ON TEST: 464

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 88287396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Nose		Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 397

TRT#: 4

SEX: Female

DAY ON TEST: 463

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 88287397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 1-13]			
* Nose		Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 398

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 9-6]			
[Clear Cell Focus TGLS = 5-6]			
Lymph Node	Mediastinal	Angiectasis	Moderate
[Angiectasis TGLS = 6-3]			
* Lymph Node, Mandibular		Inflammation	Acute, Moderate
[Inflammation TGLS = 3-9]			
* Mammary Gland		Lactation	Marked
[Lactation TGLS = 2-10]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 4-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-7]			
* Skin		Acanthosis	Moderate
[Acanthosis TGLS = 1-15]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 399

TRT#: 4

SEX: Female

DAY ON TEST: 671

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Myelofibrosis	Marked
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Bile, Mild
* Liver		Fatty Change	Moderate
		Leukemia Mononuclear	
		Necrosis	Focal, Minimal
			[Fatty Change TGLS = 6-6]
			[Leukemia Mononuclear TGLS = 3-6]
* Lung		Leukemia Mononuclear	
			[Leukemia Mononuclear TGLS = 9-2+3]
* Lymph Node, Mandibular		Congestion	Moderate
			[Congestion TGLS = 7-9]
* Mammary Gland		Lactation	Marked
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Focal, Moderate
			[Angiectasis TGLS = 5-8]
* Spleen		Leukemia Mononuclear	
			[Leukemia Mononuclear TGLS = 2-3]
* Stomach, Glandular		Erosion	Mild
			[Erosion TGLS = 8-5.11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 400

TRT#: 4

SEX: Female

DAY ON TEST: 632

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone		Hyperostosis	Mild
* Bone Marrow		Leukemia Mononuclear	
* Clitoral Gland		Dilatation	Marked
[Dilatation TGLS = 11-10]			
* Kidney	Renal Tubule	Degeneration	Granular, Mild
[Degeneration TGLS = 5-4]			
* Liver		Fatty Change	Marked
[Leukemia Mononuclear TGLS = 4-6]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-2+3+3.01]			
* Mammary Gland		Lactation	Marked
* Spleen		Fibrosis	Focal, Moderate
[Fibrosis TGLS = 8-3.02]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Stomach, Glandular		Erosion	Marked
[Erosion TGLS = 10-5.01]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-7.01]		Thrombosis	
Vagina		Exudate	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:05
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 400

TRT#: 4

SEX: Female

DAY ON TEST: 632

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893633

ORGAN AND ACCOUNTABLE SITE STATUS

[Exudate TGLS = 1-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 401

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Natural Death

HISTO: 893634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Esophagus
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Uterus		

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Urinary Bladder			

OBSERVATIONS

* Bone		Hyperostosis	Marked
* Bone Marrow		Hyperplasia	Marked
* Clitoral Gland		Depletion Cellular	Moderate
[Depletion Cellular TGLS = 1-10]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Bile, Mild
* Liver		Clear Cell Focus	
		Fatty Change	Mild
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
[Leukemia Mononuclear TGLS = 5-6+6.01]			
[Necrosis TGLS = 4-6.01]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-2+2.01+3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Moderate
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 401

TRT#: 4

SEX: Female

DAY ON TEST: 729

DOSE: 100 PPM

DISP: Natural Death

HISTO: 893634

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 7-8]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-3]

* Thymus

Lymphatic

Angiectasis

Moderate

[Angiectasis TGLS = 6-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 402

TRT#: 4

SEX: Female

DAY ON TEST: 743

DOSE: 100 PPM

DISP: Natural Death

HISTO: 893635

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Depletion Glycogen	Mild
[Depletion Glycogen TGLS = 3-6]			
* Lung		Angiectasis	Mild
[Angiectasis TGLS = 5-2+3]			
* Mammary Gland		Lactation	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2-3]			
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 6-5]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Sarcoma Stromal	
[Sarcoma Stromal TGLS = 1-14,14.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 403

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Brain		Compression	Moderate
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	
* Mammary Gland		Adenocarcinoma	
		Lactation	Moderate
[Adenocarcinoma TGLS = 1-14]			
* Pancreas		Ectopic Liver	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8.1]			
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 404

TRT#: 4

SEX: Female

DAY ON TEST: 282

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 872150

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Abscess	Mild
* Heart		Inflammation	Chronic, Focal, Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Liver		Granuloma	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mandibular		Giant Cell	Mild
* Lymph Node, Mesenteric		Giant Cell	Moderate
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-13]			
* Nose		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 405

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893637

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Moderate
* Bone Marrow		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6]			
* Lung		Angiectasis	Mild
[Angiectasis TGLS = 3-2]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-10+10.1+10.2]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 406	TRT#: 4 DOSE: 100 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 720 HISTO: 893638
-----------------------	--	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain		Compression	Marked
* Clitoral Gland		Inflammation	Acute, Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Necrosis	Focal, Mild
[Basophilic Focus TGLS = 4-6]			
* Mammary Gland		Fibroadenoma	
		Lactation	Mild
[Fibroadenoma TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8.1]			
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 5-5.1]			

PRIMARY CAUSE OF DEATH	-
------------------------	---

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 407

TRT#: 4

SEX: Female

DAY ON TEST: 464

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 88287407

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
* Heart	Myocardium	Inflammation	Chronic, Focal, Mild
* Intestine Large, Colon		Parasite Metazoan	Mild
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Nose		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 408

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893639

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-6]			
* Mammary Gland		Lactation	Moderate
* Nose		Fungus	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 409

TRT#: 4

SEX: Female

DAY ON TEST: 464

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 88287409

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Intestine Large, Colon		Parasite Metazoan	Mild
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Granuloma	Mild
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 410

TRT#: 4

SEX: Female

DAY ON TEST: 464

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 88287410

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Nephropathy	Minimal
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 411

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Clitoral Gland		Cyst	
		Inflammation	Acute, Moderate
[Cyst TGLS = 1-10]			
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
* Uterus		Dilatation	Marked
		Polyp Stromal	
[Dilatation TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 412

TRT#: 4

SEX: Female

DAY ON TEST: 681

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Abscess	Marked
		Cyst	
[Abscess TGLS = 1-10]			
* Intestine Large, Cecum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Lactation	Marked
Mesentery		Inflammation	Granulomatous, Mild
[Inflammation TGLS = 3-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8.1]			
* Uterus			
Note: TGL-2			
Note: ENLARGED UTERUS IS ACTUALLY NORMAL CERVIX			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 413

TRT#: 4

SEX: Female

DAY ON TEST: 747

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Cyst	
[Cyst TGLS = 3-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-6]		Hemorrhage	Moderate
[Hemorrhage TGLS = 5-6.1]			
* Lung		Carcinoma	Metastatic (Thyroid Gland)
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-14+14.1]		Lactation	Mild
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 1-15]			
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:05
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 414	TRT#: 4	SEX: Female	DAY ON TEST: 281
	DOSE: 100 PPM	DISP: Scheduled Sacrifice	HISTO: 872151

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Mandibular	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Inflammation	Chronic, Focal, Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Moderate
* Nose		Inflammation	Chronic, Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 415

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Intestine Large, Cecum	Parasite Metazoan	Marked
* Islets, Pancreatic	Hypoplasia	Moderate
* Kidney	Mineralization	Minimal
	Nephropathy	Minimal
* Liver	Basophilic Focus	
[Basophilic Focus TGLS = 1-6+6.01]		
* Mammary Gland	Lactation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 416

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893644

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-6]			
* Nose		Fungus	Marked
* Pancreas	Acinus	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 417

TRT#: 4

SEX: Female

DAY ON TEST: 463

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 88287417

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Clitoral Gland		Inflammation	Chronic, Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Salivary Glands		Inflammation	Chronic, Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 418

TRT#: 4

SEX: Female

DAY ON TEST: 282

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 872152

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lymph Node, Mandibular	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Mammary Gland

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Heart		Inflammation	Chronic, Focal, Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Kidney	Renal Tubule	Regeneration	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 419

TRT#: 4

SEX: Female

DAY ON TEST: 747

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893645

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3+5-6]			
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-14,2-15]		Galactocele	Multiple
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8.01]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 420

TRT#: 4

SEX: Female

DAY ON TEST: 747

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893646

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|---------------------------------|---------------|------------------|----------|
| * Heart | | Cardiomyopathy | Minimal |
| * Kidney | | Nephropathy | Moderate |
| * Liver | | Basophilic Focus | |
| [Basophilic Focus TGLS = 3-6] | | | |
| * Mammary Gland | | Fibroadenoma | |
| | | Galactocele | |
| | | Lactation | Mild |
| [Fibroadenoma TGLS = 1-14] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 2-8.01] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 421

TRT#: 4

SEX: Female

DAY ON TEST: 747

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893647

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Marked
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 422

TRT#: 4

SEX: Female

DAY ON TEST: 620

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893648

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone		Hyperostosis	Marked
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Bile, Marked
* Liver		Fatty Change	Marked
		Leukemia Mononuclear	
	[Fatty Change TGLS = 2-6]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Lactation	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3.01]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 423

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893649

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Marked
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 3-6]			
[Hepatodiaphragmatic Nodule TGLS = 1-6.01]			
* Mammary Gland		Lactation	Marked
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
[Adenoma TGLS = 2-8]			
* Uterus		Dilatation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 424

TRT#: 4

SEX: Female

DAY ON TEST: 713

DOSE: 100 PPM

DISP: Natural Death

HISTO: 893650

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Uterus			

AUTO PRECLUDES DIAG.

* Intestine Small, Jejunum	* Urinary Bladder
----------------------------	-------------------

OBSERVATIONS

* Brain		Hemorrhage	Marked
[Hemorrhage TGLS = 3-1]			
* Clitoral Gland		Dilatation	Marked
[Dilatation TGLS = 1-10]			
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Marked
* Kidney		Mineralization	Moderate
		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6+6.01]			
* Mammary Gland		Lactation	Mild
* Nose		Fungus	Mild
		Inflammation	Acute, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Hemorrhage	Marked
[Adenoma TGLS = 2-8.01]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 425

TRT#: 4

SEX: Female

DAY ON TEST: 464

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 88287425

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland [Abscess TGLS = 1-10]		Abscess	Moderate
* Heart	Myocardium	Inflammation	Chronic, Focal, Mild
* Liver		Basophilic Focus	
		Granuloma	Mild
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 426

TRT#: 4

SEX: Female

DAY ON TEST: 488

DOSE: 100 PPM

DISP: Natural Death

HISTO: 893651

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|------------------|------------------------|----------------------|-------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Clitoral Gland |
| * Esophagus | * Heart | * Islets, Pancreatic | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Stomach, Forestomach | * Stomach, Glandular | * Thymus |
| * Thyroid Gland | * Trachea | | |

AUTO PRECLUDES DIAG.

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Intestine Large, Cecum | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|---|---------------|----------------------|----------|
| * Bone Marrow | | Hyperplasia | Marked |
| * Brain | | Hemorrhage | Minimal |
| * Intestine Large, Colon | | Parasite Metazoan | Mild |
| * Kidney | | Mineralization | Mild |
| * Liver | | Leukemia Mononuclear | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Mammary Gland | | Lactation | Moderate |
| * Pituitary Gland | Pars Distalis | Adenoma | Multiple |
| [Adenoma TGLS = 3-8] | | | |
| * Spleen | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 2+4-3.01+3.02] | | | |
| * Uterus | | Thrombosis | |
| [Thrombosis TGLS = 1-7.1] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 427

TRT#: 4

SEX: Female

DAY ON TEST: 281

DOSE: 100 PPM

DISP: Scheduled Sacrifice

HISTO: 872153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Heart		Inflammation	Chronic, Focal, Minimal
* Kidney	Renal Tubule	Regeneration	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 428

TRT#: 4

SEX: Female

DAY ON TEST: 747

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893652

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 1-14]			
* Clitoral Gland		Dilatation	Moderate
[Dilatation TGLS = 5-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6+6.01]			
* Lung		Alveolar/Bronchiolar Adenoma	
[Alveolar/Bronchiolar Adenoma TGLS = 3-2+2.01]			
* Mammary Gland		Lactation	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 429

TRT#: 4

SEX: Female

DAY ON TEST: 747

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893653

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 4-14]			
* Clitoral Gland		Dilatation	Moderate
[Dilatation TGLS = 2-10]			
* Esophagus		Angiectasis	Moderate
[Angiectasis TGLS = 3-2.01]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-6]			
* Lymph Node, Mesenteric		Congestion	Moderate
* Mammary Gland		Fibroadenoma	
		Galactocele	
		Lactation	Moderate
[Fibroadenoma TGLS = 1-15+15.01]			
* Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 430

TRT#: 4

SEX: Female

DAY ON TEST: 747

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893654

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Medulla		Fibrosis	Marked
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8,3-9.01]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8,3-9.01]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-8,3-9.01]			
* Mammary Gland		Fibroadenoma	
		Lactation	Mild
[Fibroadenoma TGLS = 2-10.02]			
* Pancreas		Ectopic Liver	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 7-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 431

TRT#: 4

SEX: Female

DAY ON TEST: 744

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893655

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Bone		Hyperostosis	Moderate
* Clitoral Gland		Depletion Cellular	Mild
[Depletion Cellular TGLS = 4+5-10]			
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6.01,3-6.03]			
* Mammary Gland		Lactation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8.1]			
* Salivary Glands		Inflammation	Chronic, Focal, Mild
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 432

TRT#: 4

SEX: Female

DAY ON TEST: 579

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893656

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Minimal
* Skin		Sarcoma	
[Sarcoma TGLS = 1-14,14.1]			
* Stomach, Glandular		Erosion	Marked
[Erosion TGLS = 5-5+5.01]			
* Thymus		Depletion Lymphoid	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 433

TRT#: 4

SEX: Female

DAY ON TEST: 747

DOSE: 100 PPM

DISP: Terminal Sacrifice

HISTO: 893657

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Glomerulosclerosis	Marked
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 7-6]			
[Hepatodiaphragmatic Nodule TGLS = 3-6.01]			
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2+3]			
* Mammary Gland		Lactation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 434

TRT#: 4

SEX: Female

DAY ON TEST: 699

DOSE: 100 PPM

DISP: Moribund Sacrifice

HISTO: 893658

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Moderate
* Brain		Compression	Mild
* Clitoral Gland		Adenoma	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Mammary Gland		Adenocarcinoma	
[Adenocarcinoma TGLS = 1-14]		Lactation	Marked
* Nose		Fungus	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Focal, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 435

TRT#: 4

SEX: Female

DAY ON TEST: 718

DOSE: 100 PPM

DISP: Natural Death

HISTO: 893659

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
--------------------------	----------------------------

OBSERVATIONS

* Brain		Hemorrhage	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Glomerulosclerosis	Mild
		Nephropathy	Minimal
* Liver		Fatty Change	Marked
[Fatty Change TGLS = 3-6]			
Lymph Node	Pancreatic	Angiectasis	Moderate
[Angiectasis TGLS = 2-9.01]			
* Mammary Gland		Lactation	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Stomach, Forestomach		Ulcer	Mild
[Ulcer TGLS = 5-5]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 4-5]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 1-7.01]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 436

TRT#: 6

SEX: Female

DAY ON TEST: 425

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO: 88287436

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow	Hyperplasia	Mild
* Brain [Hemorrhage TGLS = 3-1]	Hemorrhage	Moderate
* Clitoral Gland	Inflammation	Chronic, Mild
* Liver	Leukemia Mononuclear	
* Lung	Leukemia Mononuclear	
* Lymph Node, Mandibular	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Nose	Inflammation	Chronic, Moderate
* Pituitary Gland [Leukemia Mononuclear TGLS = 2-8]	Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 1-3]	Leukemia Mononuclear	
* Stomach, Glandular [Ulcer TGLS = 4-13]	Ulcer	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 437

TRT#: 6

SEX: Female

DAY ON TEST: 675

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO: 893563

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
Blood		Hypochromasia	
[Hypochromasia TGLS = 1-15]			
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
[Infiltration Cellular TGLS = 3-9]			
* Mammary Gland		Lactation	Moderate
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 5-8.1]			
* Spleen		Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 4-3]			
* Thymus		Depletion Lymphoid	Marked
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 2-14+14.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 438

TRT#: 6

SEX: Female

DAY ON TEST: 281

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 872134

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lymph Node, Mandibular	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney			
Note: HOLLOW KIDNEY DUE TO ACCIDENT OF CUTTING			
* Liver		Granuloma	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Moderate
* Nose		Inflammation	Chronic, Focal, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 439

TRT#: 6

SEX: Female

DAY ON TEST: 463

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 88287439

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney	Nephropathy	Minimal
Note: NO LESION MATCHING TGL SEEN IN ORIGINAL SLIDE OR RECUT		
* Nose	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:05
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 440

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893564

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla	Hyperplasia	Focal, Minimal
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
[Basophilic Focus TGLS = 2-6]		
* Mammary Gland	Adenocarcinoma	
[Adenocarcinoma TGLS = 1-14]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 441

TRT#: 6

SEX: Female

DAY ON TEST: 463

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 88287441

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Ovary |
| * Pancreas | * Parathyroid Gland | * Pituitary Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|------------------|-----------|------------------|---------------|
| * Clitoral Gland | | Inflammation | Chronic, Mild |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| * Nose | | Inflammation | Chronic, Mild |
| * Pituitary Gl | | | |

Note: NO LESION SEEN IN ORIGINAL SLIDE OR RECUT

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 442

TRT#: 6

SEX: Female

DAY ON TEST: 281

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 872135

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Lymph Node, Mandibular	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Islets, Pancreatic		Hypoplasia	Moderate
* Kidney		Mineralization	Focal, Minimal
* Liver		Granuloma	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 443

TRT#: 6

SEX: Female

DAY ON TEST: 567

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO: 893565

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Esophagus | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Ovary | * Pancreas | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|----------------------------|---------------|------------------|---------------|
| * Brain | | Compression | |
| [Compression TGLS = 4-1] | | | |
| * Clitoral Gland | | Adenoma | |
| [Adenoma TGLS = 1-10] | | | |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| * Mammary Gland | | Lactation | Marked |
| * Nose | | Inflammation | Chronic, Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-8.1] | | | |
| Vagina | | Exudate | |
| [Exudate TGLS = 2-7.1] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 444

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893566

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Brain |
| * Esophagus | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Ovary | * Parathyroid Gland | * Salivary Glands |
| * Skin | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-------------------|---------------------------------|------------------|-----------------|
| * Adrenal Medulla | | Hyperplasia | Focal, Mild |
| * Clitoral Gland | | Inflammation | Acute, Moderate |
| * Kidney | | Lipoma | |
| | [Lipoma TGLS = 1-4.1] | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | [Basophilic Focus TGLS = 2-6] | | |
| * Nose | | Inflammation | Chronic, Mild |
| * Pancreas | Acinus | Atrophy | Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLS = 3-8] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 445

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893567

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Mammary Gland		Lactation	Mild
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 2-14]			
* Ovary		Adenoma	Tubular
		Cyst	
[Cyst TGLS = 1-7.01]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3.01]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 446

TRT#: 6

SEX: Female

DAY ON TEST: 463

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 88287446

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Focal, Mild
		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Dilatation	Moderate
[Dilatation TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 447

TRT#: 6

SEX: Female

DAY ON TEST: 464

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 88287447

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Mild
* Liver		Granuloma	Mild
* Nose		Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 448

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893568

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Brain	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Marked
* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 6-14]			
* Bone Marrow		Hyperplasia	Marked
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Parasite Metazoan	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
[Angiectasis TGLS = 3-6]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Angiectasis	Minimal
[Angiectasis TGLS = 11-3]		Fibrosis	Focal, Mild
[Fibrosis TGLS = 4+5-2.01]	Pleura		
* Mammary Gland		Lactation	Mild
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Marked
[Hyperplasia TGLS = 7-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3.01]			
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 10-2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:05
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 448

TRT#: 6
DOSE: 500 PPM

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 742
HISTO: 893568

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus
Note: TGL 9 ENLARGED UTERINE BODY IS NORMAL CERVIX
[Hyperplasia TGLS = 8-7.01]

Endometrium

Hyperplasia

Cystic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 449

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893569

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Marked
* Bone		Hyperostosis	Marked
[Hyperostosis TGLS = 4-14]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-6.01]			
* Lung		Angiectasis	Mild
[Angiectasis TGLS = 5-2]			
Lymph Node	Mediastinal	Congestion	Moderate
[Congestion TGLS = 3-3]			
* Lymph Node, Mesenteric		Congestion	Moderate
[Congestion TGLS = 3-3]			
* Mammary Gland		Lactation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 2-3]			
* Uterus			
Note: TGL 7 NODULE OF UTERUS IS NORMAL CERVIX			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 450

TRT#: 6

SEX: Female

DAY ON TEST: 282

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 872136

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Liver	* Mammary Gland
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Heart		Inflammation	Chronic, Focal, Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mandibular		Giant Cell	Mild
* Lymph Node, Mesenteric		Giant Cell	Moderate
* Nose		Inflammation	Chronic, Focal, Mild
* Uterus		Dilatation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 451

TRT#: 6

SEX: Female

DAY ON TEST: 464

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 88287451

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Nose		Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Moderate
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 452

TRT#: 6

SEX: Female

DAY ON TEST: 281

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 872137

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Kidney	Renal Tubule	Regeneration	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Moderate
* Nose		Inflammation	Chronic, Focal, Mild
* Ovary		Cyst	
[Cyst TGLS = 1-6]			
* Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 453

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893570

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Dilatation	Moderate
		Inflammation	Acute, Mild
[Dilatation TGLS = 5-10]			
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6,2-6.01]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 1-14]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 3-8]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 454

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Salivary Glands | * Skin | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------------------|---------------|------------------|----------|
| * Bone | | Hyperostosis | |
| [Hyperostosis TGLS = 2-14] | | | |
| * Kidney | | Mineralization | Mild |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| [Basophilic Focus TGLS = 1-6] | | | |
| * Mammary Gland | | Lactation | Moderate |
| * Ovary | | Cyst | |
| [Cyst TGLS = 5-7] | | | |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-8.1.1] | | | |
| * Uterus | | Dilatation | Mild |
| [Dilatation TGLS = 4-7] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 455

TRT#: 6

SEX: Female

DAY ON TEST: 688

DOSE: 500 PPM

DISP: Natural Death

HISTO: 893572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Uterus	

AUTO PRECLUDES DIAG.

* Kidney	* Urinary Bladder
----------	-------------------

OBSERVATIONS

* Brain		Compression	
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5-6]			
* Mammary Gland		Lactation	Marked
[Lactation TGLS = 2-10.1]			
* Ovary		Cyst	
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8.1]			
* Spleen		Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 6-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 456

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893573

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 2-8]			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 6-6]			
* Mammary Gland		Lactation	Moderate
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
[Angiectasis TGLS = 4-8]			
Skeletal Muscle		Ectopic Tissue	
[Ectopic Tissue TGLS = 3-15]			
* Thymus		Hyperplasia	Minimal
[Hyperplasia TGLS = 5-3]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Vagina		Dilatation	Moderate
Note: THIS IS A CYSTIC DILATATION OF VAGINAL FORNIX IN CERVICAL REGION.			
[Dilatation TGLS = 1-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 457

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893574

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Mineralization	Mild
		Nephropathy	Mild
		Basophilic Focus	
* Liver			
[Basophilic Focus TGLS = 2-6]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Marked
[Hyperplasia TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 458

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893575

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Thyroid Gland	C Cell	Hyperplasia	Marked
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-7.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 459

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893576

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3+4-6+6.1]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Lactation	Marked
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3.1]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 460

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893577

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 3-9]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6]			
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 1-14]			
* Nose		Inflammation	Acute, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 461

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893578

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Moderate
* Clitoral Gland		Inflammation	Chronic, Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 2-6+6.1]			
* Lung	Alveolar Epith	Metaplasia	Moderate
[Metaplasia TGLS = 1-2.1]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 462

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO: 893579

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Moderate
* Bone Marrow		Hyperplasia	Marked
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Moderate
		Fatty Change	Mild
		Leukemia Mononuclear	
[Angiectasis TGLS = 10-6.1]			
[Fatty Change TGLS = 11-6.1]			
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Hemorrhage	Focal, Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-2.1]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
* Mammary Gland		Lactation	Minimal
* Ovary		Cyst	
[Cyst TGLS = 1-7]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Fibrosis	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:05
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 462	TRT#: 6	SEX: Female	DAY ON TEST: 730
	DOSE: 500 PPM	DISP: Moribund Sacrifice	HISTO: 893579

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 3+4-3.1]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3.1]			
* Stomach, Forestomach		Ulcer	Marked
[Ulcer TGLS = 8-5.1]			
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 9-5.1]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 463

TRT#: 6

SEX: Female

DAY ON TEST: 463

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 88287463

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex [Congestion TGLS = 4-8]		Congestion	Marked
* Clitoral Gland		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Mild
* Liver [Hepatodiaphragmatic Nodule TGLS = 2-13]		Hepatodiaphragmatic Nodule	
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland [Adenoma TGLS = 3-8]	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus [Polyp Stromal TGLS = 1-7]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 464

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893580

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 4-14]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Dilatation	Moderate
		Polyp Stromal	
[Dilatation TGLS = 1-7]			
[Polyp Stromal TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 465

TRT#: 6

SEX: Female

DAY ON TEST: 288

DOSE: 500 PPM

DISP: Natural Death

HISTO: 88287465

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Liver
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Uterus	

MISSING

* Brain

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney	* Urinary Bladder
--------------------------	----------------------------	----------	-------------------

OBSERVATIONS

* Clitoral Gland	Inflammation	Chronic, Mild
* Lung	Congestion	Moderate
[Congestion TGLS = 2-2]		
* Lymph Node, Mandibular	Congestion	Marked
[Congestion TGLS = 1-9]		
* Nose	Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 466

TRT#: 6

SEX: Female

DAY ON TEST: 281

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 872138

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Nose	* Pituitary Gland
--------	-------------------

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Heart		Inflammation	Chronic, Focal, Minimal
* Intestine Large, Cecum		Parasite Metazoan	
* Intestine Large, Colon		Parasite Metazoan	
* Kidney		Mineralization	Focal, Minimal
* Liver	Bile Duct	Hyperplasia	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Ovary		Cyst	

[Cyst TGLS = 1-6]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 467

TRT#: 6

SEX: Female

DAY ON TEST: 466

DOSE: 500 PPM

DISP: Natural Death

HISTO: 893581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Bone Marrow	Hyperplasia	Marked
* Kidney	Mineralization	Minimal
* Liver	Basophilic Focus	
* Mammary Gland	Lactation	Mild
* Nose	Inflammation	Acute, Mild
* Spleen	Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 2-3]		
* Stomach, Glandular	Erosion	Moderate
[Erosion TGLS = 3-5]		
* Uterus	Polyp Stromal	
[Polyp Stromal TGLS = 1-7.1]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 468

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone		Hyperostosis	Marked
* Brain		Compression	
* Heart		Cardiomyopathy	Mild
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
* Lymph Node, Mesenteric		Congestion	Marked
[Congestion TGLS = 3-8]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-10]		Lactation	Moderate
* Nose		Fungus	Marked
* Ovary		Angiectasis	Mild
[Angiectasis TGLS = 2-7]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8.1]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 469

TRT#: 6

SEX: Female

DAY ON TEST: 675

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO: 893583

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Mammary Gland	* Nose	* Parathyroid Gland	* Skin
* Stomach, Glandular	* Thymus	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1+2-10.1]			
* Heart		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-8.1,12-3.2,3-9]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-8.1,12-3.2,3-9]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-8.1,12-3.2,3-9]			
* Ovary		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4+5-7]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
[Hyperplasia TGLS = 14-8]			
[Leukemia Mononuclear TGLS = 13-8]			
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-3.1]			
* Stomach, Forestomach		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:05
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 469	TRT#: 6 DOSE: 500 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 675 HISTO: 893583
-----------------------	--	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Leukemia Mononuclear	
Note: CALCULUS IS LEUKEMIC INFILTRATE TGL 16 [Leukemia Mononuclear TGLS = 16-9.1]			
* Uterus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-7.1,7+8-7]			
Vagina		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-7.2]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 470

TRT#: 6

SEX: Female

DAY ON TEST: 282

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 872139

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Mammary Gland	* Ovary
* Pancreas	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Heart		Inflammation	Chronic, Focal, Minimal
* Kidney		Mineralization	Focal, Minimal
* Liver		Granuloma	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Giant Cell	Moderate
* Nose		Inflammation	Chronic, Focal, Mild
* Uterus		Dilatation	Marked

[Dilatation TGLS = 1-6]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 471

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893584

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Clitoral Gland		Inflammation	Chronic, Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-6]			
Lymph Node	Lymphatic, Mediastinal	Angiectasis	Marked
[Angiectasis TGLS = 2-3]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Perivascular	Inflammation	Chronic, Marked
* Thyroid Gland	C Cell	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 472

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893585

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 3-14]			
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-6]			
* Mammary Gland		Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-15]			
* Uterus			
Note: TGL 4 ENLARGED UTERUS IS NORMAL CERVIX			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 473

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893586

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Uterus

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Malignant TGLS = 4-8.1]	Pheochromocytoma Malignant	
* Bone [Hyperostosis TGLS = 5-14]	Hyperostosis	Moderate
* Heart	Cardiomyopathy	Mild
* Kidney	Mineralization	Minimal
	Nephropathy	Mild
* Liver [Hepatodiaphragmatic Nodule TGLS = 3-6.1]	Hepatodiaphragmatic Nodule	
* Lung [Emphysema TGLS = 8-2]	Emphysema	Focal, Mild
* Lym Node Mand Note: TGL 2 MANDIBULAR LN IS SALIVARY GLAND TUMOR		
* Spleen [Depletion Lymphoid TGLS = 6-3]	Depletion Lymphoid	Mild
* Urinary Bladder [Papilloma TGLS = 7-9.1]	Papilloma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 474

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893587

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Dilatation	Moderate
[Dilatation TGLS = 1-10]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 5-6]		Granuloma	Mild
Lymph Node	Lymphatic, Pancreatic	Angiectasis	Moderate
[Angiectasis TGLS = 4-9,2-9.01]			
* Lymph Node, Mandibular	Lymphatic	Angiectasis	Moderate
[Angiectasis TGLS = 4-9,2-9.01]			
* Lymph Node, Mesenteric		Congestion	Marked
[Congestion TGLS = 6-8]			
* Mammary Gland		Lactation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 475

TRT#: 6

SEX: Female

DAY ON TEST: 464

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 88287475

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Liver		Granuloma	Mild
	Bile Duct	Hyperplasia	Minimal
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	[Angiectasis TGLS = 1-8]		
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 476

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893588

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone [Hyperostosis TGLS = 2-14]		Hyperostosis	Mild
* Intestine Large, Colon		Parasite Metazoan	Moderate
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Mild
* Liver [Basophilic Focus TGLS = 1-6]		Basophilic Focus	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland [Adenoma TGLS = 3-8]	Pars Distalis	Adenoma	
* Uterus [Fibrosis TGLS = 4-7.1]	Endometrium	Fibrosis	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 477

TRT#: 6

SEX: Female

DAY ON TEST: 282

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 872140

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Lymph Node, Mesenteric	* Mammary Gland	* Skin
--------------------------	-----------------	--------

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Heart		Inflammation	Chronic, Focal, Minimal
* Kidney		Mineralization	Focal, Minimal
* Liver		Granuloma	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Uterus		Dilatation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:05

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 478

TRT#: 6

SEX: Female

DAY ON TEST: 546

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO: 893589

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Nose	* Ovary	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Mild
* Kidney		Mineralization	Minimal
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-2.01]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Moderate
* Spleen		Infarct	Marked
[Infarct TGLS = 1+4-3.01]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 479

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893590

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Nose	* Skin	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 23-14]			
* Bone Marrow		Hyperplasia	Mild
* Clitoral Gland		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-10]			
* Kidney	Renal Tubule	Degeneration	Granular, Marked
[Degeneration TGLS = 13-14]			
[Leukemia Mononuclear TGLS = 24-4]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 16-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 20-2+3]			
Lymph Node	Axillary	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-16,15-16,3-18,11-8.01,12-19,19-3]			
[Leukemia Mononuclear TGLS = 14-16,15-16,3-18,11-8.01,12-19,19-3]			
[Leukemia Mononuclear TGLS = 14-16,15-16,3-18,11-8.01,12-19,19-3]			
[Leukemia Mononuclear TGLS = 14-16,15-16,3-18,11-8.01,12-19,19-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 14-16,15-16,3-18,11-8.01,12-19,19-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 479

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893590

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 14-16,15-16,3-18,11-8.01,12-19,19-3]

* Mammary Gland

Fibroadenoma

Leukemia Mononuclear

[Fibroadenoma TGLS = 1-20+20.01]

[Leukemia Mononuclear TGLS = 5-10]

Mesentery

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 6-17]

* Ovary

Leukemia Mononuclear

* Pancreas

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 10-8.02]

* Parathyroid Gland

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 17-2]

* Pituitary Gland

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 22-8]

* Salivary Glands

Leukemia Mononuclear

Spinal Cord

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 21-15+15.01]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 9-3.01]

* Stomach, Glandular

Leukemia Mononuclear

* Thymus

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 18-3]

* Uterus

Atrophy

Mild

Leukemia Mononuclear

[Atrophy TGLS = 7-7]

[Leukemia Mononuclear TGLS = 8-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 480

TRT#: 6

SEX: Female

DAY ON TEST: 638

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO: 893591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Bone Marrow		Hyperplasia	Moderate
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-10+10.01+10.02]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-14]			
* Pancreas	Acinus	Atrophy	Minimal
* Uterus		Dilatation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 481

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Marked
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 2-6]			
[Eosinophilic Focus TGLS = 4-6.01]			
* Mammary Gland		Lactation	Moderate
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-14]			
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
[Adenoma TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 482

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO: 893593

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Brain		Hemorrhage	Minimal
* Kidney		Nephropathy	Minimal
	Renal Tubule	Pigmentation	Bile, Moderate
* Liver		Fatty Change	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-9.01]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-9.01]		
* Mammary Gland		Lactation	Moderate
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 1-14]		
* Nose		Inflammation	Acute, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3.01]		
* Stomach, Glandular		Erosion	Mild
	[Erosion TGLS = 5-5]		
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 482

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO: 893593

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 483

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893594

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 2-14]			
* Clitoral Gland		Inflammation	Acute, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
[Angiectasis TGLS = 4-6.01]		Leukemia Mononuclear	
[Basophilic Focus TGLS = 1-6]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 484

TRT#: 6

SEX: Female

DAY ON TEST: 588

DOSE: 500 PPM

DISP: Natural Death

HISTO: 893595

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Uterus	

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Mild
* Heart	Artery	Mineralization	Moderate
* Int Lg Cecum			
Note: TGL 5 & 6 CECUM TOO AUTOLYZED FOR DIAGNOSIS			
* Kidney		Mineralization	Marked
* Liver		Fatty Change	Mild
Lymph Node	Lumbar	Hyperplasia	Mild
[Hyperplasia TGLS = 7-14]			
* Mammary Gland		Lactation	Mild
* Nose		Fungus	Marked
* Skin		Fibrosis	Marked
		Hyperkeratosis	Marked
		Sarcoma	
[Fibrosis TGLS = 1+2-14+15]			
[Hyperkeratosis TGLS = 4-18]			
[Sarcoma TGLS = 3-17,17.1]			
* Spleen		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 485

TRT#: 6

SEX: Female

DAY ON TEST: 281

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 872141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Minimal
* Intestine Small, Ileum		Parasite Metazoan	
* Kidney		Mineralization	Focal, Minimal
* Lung	Peribronchial	Inflammation	Chronic, Minimal
* Lymph Node, Mesenteric		Giant Cell	Moderate
* Nose		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 486

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893596

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain		Compression	Mild
* Clitoral Gland		Dilatation	Moderate
		Inflammation	Chronic, Mild
[Dilatation TGLS = 1-10]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 6-4]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 3-6]			
[Hepatodiaphragmatic Nodule TGLS = 2-6.01]			
* Mammary Gland		Lactation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 7 NO PANCREATIC NODE ON ORIGINAL SLIDE OR RECUT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 487

TRT#: 6

SEX: Female

DAY ON TEST: 464

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 88287487

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
Lymph Node	Mediastinal	Congestion	Marked
[Congestion TGLS = 1-13]			
* Nose		Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 488

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Mild
* Clitoral Gland		Cyst	
[Cyst TGLS = 3-10]			
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6]			
* Nose		Inflammation	Chronic, Marked
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 489

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893598

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Intestine Large, Colon		Parasite Metazoan	Moderate
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Angiectasis	Moderate
	Pancreatic	Leukemia Mononuclear	
[Angiectasis TGLS = 7-3]			
[Leukemia Mononuclear TGLS = 4-9.01]			
* Mammary Gland		Lactation	Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-14]			
* Nose		Inflammation	Chronic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 3-8]			
* Spleen		Fibrosis	Focal, Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-3.01]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 489

TRT#: 6

SEX: Female

DAY ON TEST: 742

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893598

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-3.01]

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 490

TRT#: 6

SEX: Female

DAY ON TEST: 464

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 88287490

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex

* Adrenal Medulla

* Bone

* Bone Marrow

* Brain

* Esophagus

* Heart

* Intestine Large, Cecum

* Intestine Large, Colon

* Intestine Large, Rectum

* Intestine Small, Duodenum

* Intestine Small, Ileum

* Intestine Small, Jejunum

* Islets, Pancreatic

* Liver

* Lung

* Lymph Node, Mandibular

* Lymph Node, Mesenteric

* Mammary Gland

* Ovary

* Pancreas

* Pituitary Gland

* Salivary Glands

* Skin

* Spleen

* Stomach, Forestomach

* Stomach, Glandular

* Thymus

* Thyroid Gland

* Trachea

* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland

Inflammation

Chronic, Mild

* Kidney

Nephropathy

Minimal

* Nose

Inflammation

Acute, Moderate

Inflammation

Chronic, Moderate

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 491

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893599

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Clitoral Gland [Dilatation TGLS = 1-10]		Dilatation	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver [Basophilic Focus TGLS = 6-6]		Basophilic Focus	
* Mammary Gland		Lactation	Moderate
* Pituitary Gland [Adenoma TGLS = 4+5-8]	Pars Distalis	Adenoma	
* Spleen [Fibrosis TGLS = 3-3]		Fibrosis	Focal, Marked
* Uterus [Polyp Stromal TGLS = 2-14]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 492

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893600

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Granuloma	Marked
[Granuloma TGLS = 2-9]			
* Mammary Gland		Fibroadenoma	
		Galactocele	
[Fibroadenoma TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 493

TRT#: 6

SEX: Female

DAY ON TEST: 282

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 872142

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Heart		Inflammation	Chronic, Focal, Minimal
* Kidney		Mineralization	Focal, Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Moderate
* Nose		Inflammation	Chronic, Focal, Mild
* Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 494

TRT#: 6

SEX: Female

DAY ON TEST: 463

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 88287494

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Heart | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|--------------------------|---------------|-------------------|-------------------|
| * Clitoral Gland | | Inflammation | Chronic, Moderate |
| * Intestine Large, Cecum | | Parasite Metazoan | Mild |
| * Liver | | Basophilic Focus | |
| * Nose | | Inflammation | Chronic, Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 1-8] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 495

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Clitoral Gland
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Nose
- * Salivary Glands
- * Stomach, Glandular
- * Urinary Bladder

- * Bone
- * Esophagus
- * Intestine Small, Duodenum
- * Lung
- * Ovary
- * Skin
- * Thymus
- * Uterus

- * Bone Marrow
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mandibular
- * Pancreas
- * Spleen
- * Thyroid Gland

- * Brain
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Parathyroid Gland
- * Stomach, Forestomach
- * Trachea

OBSERVATIONS

- * Adrenal Medulla
- * Heart
- * Kidney
- * Liver

- Pheochromocytoma Benign
- Cardiomyopathy
- Nephropathy
- Basophilic Focus
- Clear Cell Focus

Marked
Minimal

[Basophilic Focus TGLS = 1-6]

- * Mammary Gland
- * Pituitary Gland

Pars Distalis

- Lactation
- Hyperplasia

Mild
Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 496

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Intestine Large, Cecum		Parasite Metazoan	Mild
* Intestine Large, Colon		Parasite Metazoan	Marked
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 2-6]			
* Mammary Gland		Lactation	Moderate
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 3-8]			
* Uterus		Angiectasis	Moderate
[Angiectasis TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 497

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Brain |
| * Clitoral Gland | * Esophagus | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|--|---------------|----------------------------|---------|
| * Adrenal Medulla
[Pheochromocytoma Malignant TGLS = 2-8] | | Pheochromocytoma Malignant | |
| * Heart | | Cardiomyopathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Leukemia Mononuclear | |
| * Mammary Gland | | Lactation | Mild |
| * Pituitary Gland
[Adenoma TGLS = 3-8] | Pars Distalis | Adenoma | |
| * Spleen | | Leukemia Mononuclear | |
| * Uterus
[Thrombosis TGLS = 1-7] | | Thrombosis | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 498	TRT#: 6	SEX: Female	DAY ON TEST: 743
	DOSE: 500 PPM	DISP: Terminal Sacrifice	HISTO: 893604

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone [Hyperostosis TGLS = 3-14]		Hyperostosis	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Nephropathy	Mild
* Liver [Basophilic Focus TGLS = 2-6]		Basophilic Focus	
* Mammary Gland		Lactation	Moderate
* Nose		Fungus	Mild
* Pituitary Gland [Adenoma TGLS = 4-8]	Pars Distalis	Adenoma	Multiple
* Spleen [Depletion Lymphoid TGLS = 1-3]		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 499

TRT#: 6

SEX: Female

DAY ON TEST: 539

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO: 893605

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Moderate
* Liver		Fatty Change	Moderate
		Leukemia Mononuclear	
[Fatty Change TGLS = 5-6]			
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
[Hyperplasia TGLS = 4-8.1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3.01]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus	Endometrium	Fibrosis	Mild
Note: TGL 6 THICK BODY OF UTERUS IS NORMAL CERVIX NCL			
[Fibrosis TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 500

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	Vagina

OBSERVATIONS

* Bone Marrow		Hyperplasia	Moderate
* Clitoral Gland		Dilatation	Moderate
[Dilatation TGLS = 6-10]			
* Intestine Large, Colon		Parasite Metazoan	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
Lymph Node	Mediastinal	Hematopoietic Cell Proliferation	Marked
[Hematopoietic Cell Proliferation TGLS = 5-3]			
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Depletion Lymphoid	Moderate
		Granuloma	Marked
[Depletion Lymphoid TGLS = 2-3]			
[Granuloma TGLS = 3-3]			
* Uterus		Polyp Stromal	
		Sarcoma Stromal	
Note: THIS TUMOR APPEARS TO BE LOCATED IN CERVICAL REGION OF UTERUS.			
[Sarcoma Stromal TGLS = 1-14]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 501

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893607

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone [Hyperostosis TGLS = 1-11+12+14]		Hyperostosis	Marked
* Kidney [Cyst TGLS = 3-4.01]		Cyst Nephropathy	Mild
* Liver [Basophilic Focus TGLS = 4-6]		Basophilic Focus	
* Mammary Gland		Lactation	Mild
* Pituitary Gland [Adenoma TGLS = 2-8]	Pars Distalis	Adenoma	Multiple

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 502

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893608

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Brain		Carcinoma	Metastatic (Pituitary Gland)
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Mammary Gland		Fibroadenoma	
		Galactocele	
		Lactation	Moderate
[Galactocele TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 4-8]			
* Stomach, Glandular		Depletion Cellular	Mild
[Depletion Cellular TGLS = 5-5]			
* Uterus			
Note: TGL 2 NO UTERINE NODULE ON ORIGINAL SLIDE OR RECUT			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 503

TRT#: 6

SEX: Female

DAY ON TEST: 743

DOSE: 500 PPM

DISP: Terminal Sacrifice

HISTO: 893609

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 3-6+6.01]			
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Mammary Gland		Lactation	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Spleen		Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 1-3]			
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 5-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 504

TRT#: 6

SEX: Female

DAY ON TEST: 281

DOSE: 500 PPM

DISP: Scheduled Sacrifice

HISTO: 872143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver
* Lung	* Lymph Node, Mandibular	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mesenteric

OBSERVATIONS

* Bone Marrow	Myelofibrosis	Mild
* Clitoral Gland	Inflammation	Chronic, Focal, Minimal
* Heart	Inflammation	Chronic, Focal, Minimal
* Islets, Pancreatic	Hypoplasia	Mild
* Kidney	Mineralization	Focal, Minimal
* Nose	Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 505

TRT#: 6

SEX: Female

DAY ON TEST: 646

DOSE: 500 PPM

DISP: Moribund Sacrifice

HISTO: 893610

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Focal, Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 1-6]		
* Mammary Gland		Lactation	Marked
* Nose		Inflammation	Acute, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Salivary Glands		Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:06
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 506

TRT#: 8

SEX: Female

DAY ON TEST: 463

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 88287506

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Minimal
* Intestine Large, Rectum		Parasite Metazoan	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 507

TRT#: 8

SEX: Female

DAY ON TEST: 282

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 871990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lymph Node, Mandibular	* Mammary Gland	* Ovary
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain	Chor Plexus	Inflammation	Chronic, Mild
* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Heart		Inflammation	Chronic, Focal, Minimal
* Liver		Granuloma	Moderate
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Moderate
* Pancreas	Acinus	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 508

TRT#: 8

SEX: Female

DAY ON TEST: 463

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 88287508

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
* Liver		Basophilic Focus	
		Granuloma	Mild
* Nose		Fungus	Marked
		Inflammation	Acute, Moderate
* Pancreas	Acinus	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 509

TRT#: 8

SEX: Female

DAY ON TEST: 404

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 88287509

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Clitoral Gland |
| * Esophagus | * Heart | * Intestine Large, Cecum | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Stomach, Forestomach | * Thymus | * Thyroid Gland | * Trachea |
| * Uterus | | | |

AUTO PRECLUDES DIAG.

- * Urinary Bladder

OBSERVATIONS

- | | | | |
|----------------------|---|----------------------------------|------------------|
| * Bone Marrow | | Hyperplasia | Mild |
| * Brain | | Hemorrhage | Mild |
| * Nose | | Inflammation | Chronic, Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| * Spleen | | Hematopoietic Cell Proliferation | Mild |
| | [Hematopoietic Cell Proliferation TGLS = 1-3] | | |
| * Stomach, Glandular | | Erosion | Marked |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 510

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890373

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland		Cyst	
[Cyst TGLS = 2-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 4-6]			
* Mammary Gland		Lactation	Moderate
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8.1]			
* Skin	Pinna	Neurofibroma	
[Neurofibroma TGLS = 1-14]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Leiomyoma	
[Leiomyoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 511

TRT#: 8

SEX: Female

DAY ON TEST: 281

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 871991

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Lymph Node, Mandibular	* Mammary Gland
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Moderate
[Inflammation TGLS = 1-10]			
* Islets, Pancreatic		Hypoplasia	Mild
* Liver		Basophilic Focus	
* Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Pancreatic	Giant Cell	Moderate
	Pancreatic	Pigmentation	Hemosiderin, Mild
[Pigmentation TGLS = 2-9]			
* Lymph Node, Mesenteric		Giant Cell	Minimal
* Nose		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 512

TRT#: 8

SEX: Female

DAY ON TEST: 442

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 88287512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Bone		Osteosarcoma	
[Osteosarcoma TGLS = 1-13]			
* Clitoral Gland		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Moderate
* Nose		Inflammation	Chronic, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 2-8]			
* Spleen		Hematopoietic Cell Proliferation	Marked
* Uterus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 513

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890374

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Dilatation	Moderate
* Kidney	Renal Tubule	Adenoma	
		Mineralization	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Minimal
[Basophilic Focus TGLS = 2+3-6]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 1-7.1+7.2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 514

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890375

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Dilatation	Moderate
* Intestine Large, Cecum		Parasite Metazoan	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Mild
[Basophilic Focus TGLS = 1-6]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 515

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890376

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Esophagus	* Heart	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Clitoral Gland		Cyst	
[Cyst TGLS = 1-10]			
* Intestine Large, Cecum		Parasite Metazoan	Mild
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 4-6]		Leukemia Mononuclear	
[Clear Cell Focus TGLS = 3-6.1]			
* Pancreas	Acinus	Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Cyst	
[Cyst TGLS = 2-7.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 516

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890377

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland		Dilatation	Moderate
		Inflammation	Chronic, Mild
[Dilatation TGLS = 1-10]			
* Heart	Perivascular	Inflammation	Moderate
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 5-6.01]			
* Mammary Gland		Lactation	Mild
* Nose		Inflammation	Acute, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Spleen		Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 3-3]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Dilatation	Moderate
[Dilatation TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 517

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890378

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Inflammation	Acute, Moderate
* Kidney		Mineralization	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-6]			
* Mammary Gland		Lactation	Marked
* Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 518

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890379

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Moderate
* Bone		Hyperostosis	Marked
* Bone Marrow		Hyperplasia	Mild
* Kidney		Mineralization	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-6.01,3-6.02]			
* Lymph Node, Mandibular	Lymphatic	Angiectasis	Moderate
[Angiectasis TGLS = 5-9]			
* Mammary Gland		Lactation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-14]			
* Uterus		Dilatation	Moderate
[Dilatation TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 519

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890380

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone		Hyperostosis	Moderate
[Hyperostosis TGLS = 3-14]			
* Clitoral Gland		Inflammation	Acute, Mild
[Inflammation TGLS = 1-10]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Mild
[Angiectasis TGLS = 5-6]		Basophilic Focus	
* Mammary Gland		Lactation	Moderate
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-15]			
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
[Adenoma TGLS = 4-8]			
* Thymus		Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 520

TRT#: 8

SEX: Female

DAY ON TEST: 463

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 88287520

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|---------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Heart | * Intestine Large, Colon |
| * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Kidney | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

MISSING

- * Pituitary Gland

OBSERVATIONS

- | | | |
|--------------------------|-------------------|---------------|
| * Clitoral Gland | Inflammation | Chronic, Mild |
| * Intestine Large, Cecum | Parasite Metazoan | Moderate |
| * Liver | Basophilic Focus | |
| | Granuloma | Mild |
| * Nose | Inflammation | Chronic, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:06
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 521

TRT#: 8

SEX: Female

DAY ON TEST: 463

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 88287521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland	Inflammation	Chronic, Minimal
* Intestine Large, Cecum	Parasite Metazoan	Moderate
* Liver	Basophilic Focus	
* Nose	Inflammation	Chronic, Mild
* Skin	Keratoacanthoma	

[Keratoacanthoma TGLS = 1-13]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 522

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890381

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Esophagus		Angiectasis	Moderate
[Angiectasis TGLS = 2-2.1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6.1]			
* Mammary Gland		Fibroadenoma	
		Lactation	Mild
[Fibroadenoma TGLS = 1-14]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Moderate
[Adenoma TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 523

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890382

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Dilatation	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Parasite Metazoan	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 5-6+6.1]			
[Clear Cell Focus TGLS = 3-6]			
* Mammary Gland		Fibroadenoma	Multiple
		Lactation	Moderate
[Fibroadenoma TGLS = 1-14,2-15+15.1]			
* Nose		Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 4-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 524

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890383

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Minimal
		Hepatodiaphragmatic Nodule	
		[Basophilic Focus TGLS = 4-6+6.1]	
		[Hepatodiaphragmatic Nodule TGLS = 2-6.1]	
* Mammary Gland		Lactation	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Focal, Mild
		[Adenoma TGLS = 3-8]	
* Stomach, Forestomach		Diverticulum	Moderate
		[Diverticulum TGLS = 5-5]	
* Uterus		Angiectasis	Moderate
		[Angiectasis TGLS = 1-7]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 525

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890384

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
		Granuloma	Mild
[Basophilic Focus TGLS = 3-6]			
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 1-9]			
* Nose		Inflammation	Chronic, Moderate
* Ovary		Angiectasis	Moderate
[Angiectasis TGLS = 2-7]			
* Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 526

TRT#: 8

SEX: Female

DAY ON TEST: 464

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 88287526

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|-----------------------------|--------------------------|----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Small, Duodenum | * Intestine Small, Ileum | * Intestine Small, Jejunum |
| * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular | * Lymph Node, Mesenteric |
| * Mammary Gland | * Ovary | * Pancreas | * Parathyroid Gland |
| * Pituitary Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Uterus | | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|---------------------------|-----------|-------------------|----------------------|
| * Brain | Capillary | Inflammation | Chronic, Mild |
| * Intestine Large, Rectum | | Parasite Metazoan | Marked |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| * Nose | | Inflammation | Chronic, Mild |
| * Urinary Bladder | | Inflammation | Chronic, Focal, Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 527

TRT#: 8

SEX: Female

DAY ON TEST: 464

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 88287527

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Liver	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
* Heart	Myocardium	Inflammation	Chronic, Focal, Minimal
* Intestine Large, Rectum		Parasite Metazoan	Mild
* Kidney		Nephropathy	Minimal
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
* Thymus		Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 528

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890385

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Mild
		Basophilic Focus	
[Angiectasis TGLS = 2-6]			
[Basophilic Focus TGLS = 3-6]			
* Mammary Gland		Lactation	Mild
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Spleen		Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 1-3]			
* Thymus		Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 529

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890386

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Focal, Mild
* Brain		Compression	Marked
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Marked
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 4-6+6.1]			
* Nose		Inflammation	Acute, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8.1]			
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 3-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 530

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890387

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Marked
* Intestine Large, Colon		Parasite Metazoan	Mild
* Islets, Pancreatic		Adenoma	
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 4-6+6.1+6.2]			
[Leukemia Mononuclear TGLS = 3-6+6.1+6.2]			
* Pancreas	Acinus	Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
* Uterus			

Note: TGL 1 UTERINE NODULE IS NORMAL CERVIX

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 531

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890388

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Dilatation	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Fibroma	
[Fibroma TGLS = 2-15]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Lactation	Mild
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 1-14+14.1]			
* Nose		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 532

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890389

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Dilatation	Moderate
* Heart		Cardiomyopathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
	[Clear Cell Focus TGLS = 3-6]		
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-2+3]		
* Nose		Inflammation	Acute, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 533

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890390

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Bone		Hyperostosis	Marked
* Bone Marrow		Hyperplasia	Mild
* Brain		Hemorrhage	Mild
[Hemorrhage TGLS = 4-1]			
* Heart		Dilatation	Mild
[Dilatation TGLS = 5-13]			
* Kidney		Cyst	
[Cyst TGLS = 2-4.1]		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 3-8.1]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 534

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890391

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Dilatation	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Parasite Metazoan	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 4-6.1]			
[Hepatodiaphragmatic Nodule TGLS = 5-6.2]			
* Mammary Gland		Lactation	Mild
* Nose		Inflammation	Acute, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Depletion Lymphoid	Moderate
		Fibrosis	Focal, Moderate
[Depletion Lymphoid TGLS = 2-3]			
[Fibrosis TGLS = 1-3.1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 535

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890392

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Clitoral Gland [Dilatation TGLS = 2-10]	Dilatation	Moderate
* Liver [Basophilic Focus TGLS = 1-6+6.1]	Basophilic Focus	
* Mammary Gland	Lactation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 536

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890393

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone		Hyperostosis	Mild
[Hyperostosis TGLS = 3-14]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Granuloma	Moderate
[Granuloma TGLS = 4-6.1]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Uterus			
Note: TGL 1 UTERINE NODULE IS NORMAL CERVIX			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 537

TRT#: 8

SEX: Female

DAY ON TEST: 463

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 88287537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Liver | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Ovary |
| * Pancreas | * Parathyroid Gland | * Salivary Glands | * Skin |
| * Spleen | * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

INSUFFICIENT TISSUE

- * Thymus

OBSERVATIONS

- | | | | |
|-------------------|---------------|--------------|---------------|
| * Clitoral Gland | | Inflammation | Chronic, Mild |
| * Kidney | | Nephropathy | Minimal |
| * Nose | | Inflammation | Chronic, Mild |
| * Pituitary Gland | Pars Distalis | Cyst | |
- [Cyst TGLS = 1-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:06
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 538

TRT#: 8

SEX: Female

DAY ON TEST: 463

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 88287538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Clitoral Gland	Inflammation	Chronic, Mild
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
* Nose	Inflammation	Chronic, Mild
* Uterus	Polyp Stromal	

[Polyp Stromal TGLS = 1-7]

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 539

TRT#: 8

SEX: Female

DAY ON TEST: 281

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 871992

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Mandibular	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Inflammation	Chronic, Focal, Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 540

TRT#: 8

SEX: Female

DAY ON TEST: 591

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 890396

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Clitoral Gland | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|----------------------------|---------------|------------------|-------------|
| * Brain | | Compression | Marked |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Angiectasis | Mild |
| | | Basophilic Focus | |
| [Angiectasis TGLS = 1-6] | | | |
| * Nose | | Inflammation | Acute, Mild |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 3-8] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:06
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 541	TRT#: 8	SEX: Female	DAY ON TEST: 282
	DOSE: 1000 PPM	DISP: Scheduled Sacrifice	HISTO: 871993

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Kidney
* Liver	* Mammary Gland	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Heart		Inflammation	Chronic, Focal, Minimal
* Intestine Large, Colon		Parasite Metazoan	
* Islets, Pancreatic		Hypoplasia	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mandibular		Congestion	Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 542

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890394

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain		Compression	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Parasite Metazoan	Moderate
* Kidney		Nephropathy	Mild
		Pigmentation	Moderate
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Basophilic Focus TGLS = 2-6+6.1]		
	[Hepatodiaphragmatic Nodule TGLS = 3-6.1]		
* Mammary Gland		Lactation	Moderate
* Nose		Fungus	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-8]		
* Uterus		Dilatation	Moderate
	[Dilatation TGLS = 1-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 543

TRT#: 8

SEX: Female

DAY ON TEST: 658

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 890395

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Clitoral Gland	* Esophagus
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Cortex [Atrophy TGLS = 5-8]		Atrophy	Mild
* Bone Marrow		Hyperplasia Myelofibrosis	Mild Mild
* Brain [Hemorrhage TGLS = 11-1,12-1.1]		Hemorrhage	Marked
* Heart		Cardiomyopathy	Minimal
* Kidney		Glomerulosclerosis Mineralization	Marked Minimal
* Liver [Leukemia Mononuclear TGLS = 9-6]	Renal Tubule	Pigmentation Leukemia Mononuclear	Bile, Moderate
Lymph Node [Angiectasis TGLS = 4-9.1] [Congestion TGLS = 8-14.1,6-8.1,7-14] [Congestion TGLS = 8-14.1,6-8.1,7-14]	Pancreatic Inguinal Lumbar	Angiectasis Congestion Congestion	Marked Marked Moderate
* Lymph Node, Mandibular [Angiectasis TGLS = 4-9.1]	Lymphatic	Angiectasis	Moderate
* Lymph Node, Mesenteric [Congestion TGLS = 8-14.1,7-14,6-8.1]		Congestion	Marked
* Ovary		Atrophy	Moderate
* Pancreas	Acinus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:06
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 543	TRT#: 8 DOSE: 1000 PPM	SEX: Female DISP: Moribund Sacrifice	DAY ON TEST: 658 HISTO: 890395
-----------------------	---	---	---

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Cyst TGLS = 10-8]	Pars Distalis	Cyst	
* Spleen [Leukemia Mononuclear TGLS = 3-3.1]		Leukemia Mononuclear	
* Stomach, Glandular [Erosion TGLS = 14-5]		Erosion	Marked
* Thymus		Depletion Lymphoid	Marked
* Urinary Bladder [Hemorrhage TGLS = 2-9.1,13-9.1]		Hemorrhage	Marked
* Uterus		Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 544

TRT#: 8

SEX: Female

DAY ON TEST: 282

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 871994

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Mammary Gland
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Heart		Inflammation	Chronic, Focal, Minimal
* Liver		Granuloma	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Pancreas		Inflammation	Chronic, Focal, Mild
* Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 545

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890397

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Mammary Gland		Lactation	Moderate
* Pituitary Gland	Pars Distalis	Angiectasis	Marked
	Pars Distalis	Hyperplasia	Focal, Mild
	[Angiectasis TGLS = 4-8.01]		
* Spleen		Depletion Lymphoid	Minimal
	[Depletion Lymphoid TGLS = 3-3]		
* Uterus		Cyst	
	[Cyst TGLS = 2-7]	Dilatation	Moderate
	[Dilatation TGLS = 1-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 546

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890398

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney	Renal Tubule	Adenoma	
		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 3-6]			
Lymph Node	Mediastinal	Congestion	Marked
	Pancreatic	Infiltration Cellular	Histiocyte, Moderate
[Congestion TGLS = 5-3]			
[Infiltration Cellular TGLS = 6-9.01]			
* Lymph Node, Mandibular		Congestion	Mild
[Congestion TGLS = 5-3]			
* Mammary Gland		Fibroadenoma	
		Galactocele	
[Galactocele TGLS = 1-10.01]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8.01]			
* Spleen		Depletion Lymphoid	Moderate
[Depletion Lymphoid TGLS = 2-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 547

TRT#: 8

SEX: Female

DAY ON TEST: 281

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 871995

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Kidney	* Liver	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Cyst	
[Cyst TGLS = 1-10]			
* Islets, Pancreatic		Hypoplasia	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 548

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890399

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain		Compression	Moderate
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
Lymph Node	Lymphatic, Pancreatic	Angiectasis	Moderate
[Angiectasis TGLS = 5-9.01]			
* Lymph Node, Mandibular		Congestion	Moderate
[Congestion TGLS = 1-9]			
* Mammary Gland		Lactation	Moderate
Note: TGL 4 MAMMARY MASS IS ACTUALLY UTERINE TUMOR			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8.01]			
* Uterus		Dilatation	Moderate
		Sarcoma Stromal	
[Dilatation TGLS = 3-7.01]			
[Sarcoma Stromal TGLS = 2-7.01,4-10.01]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 549

TRT#: 8

SEX: Female

DAY ON TEST: 282

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 871996

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Mandibular	* Mammary Gland	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild
* Pancreas		Inflammation	Chronic, Focal, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Minimal
* Thyroid Gland		Inflammation	Chronic, Focal, Minimal
* Uterus		Dilatation	Marked

[Dilatation TGLS = 1-6]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 550

TRT#: 8

SEX: Female

DAY ON TEST: 282

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 871997

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Colon
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Lymph Node, Mandibular
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Intestine Large, Cecum		Parasite Metazoan	
* Intestine Large, Rectum		Parasite Metazoan	
* Islets, Pancreatic		Hypoplasia	Minimal
* Kidney	Renal Tubule	Regeneration	Minimal
* Liver		Basophilic Focus	
* Lung	Peribronchial	Inflammation	Chronic, Mild
Lymph Node	Pancreatic	Giant Cell	Marked
	Pancreatic	Pigmentation	Hemosiderin, Mild
[Giant Cell TGLS = 1-9]			
* Lymph Node, Mesenteric		Giant Cell	Minimal
[Giant Cell TGLS = 1-9]			
* Nose		Inflammation	Chronic, Focal, Mild
		Metaplasia	Squamous, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 551

TRT#: 8

SEX: Female

DAY ON TEST: 464

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 88287551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Mild
* Intestine Large, Rectum		Parasite Metazoan	Marked
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Nose		Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Uterus		Polyp Stromal	Two

[Polyp Stromal TGLS = 1-13,2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 552

TRT#: 8

SEX: Female

DAY ON TEST: 738

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 890400

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mesenteric
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Lymph Node, Mandibular	* Thymus
--------------------------	----------

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Inflammation	Chronic, Mild
[Inflammation TGLS = 5-5]			
* Intestine Small, Ileum		Sarcoma	
[Sarcoma TGLS = 4-5.1,5.2,5.3]			
* Kidney		Nephropathy	Mild
* Liver		Angiectasis	Marked
		Basophilic Focus	
		Fatty Change	Minimal
[Angiectasis TGLS = 7-6.01]			
[Basophilic Focus TGLS = 6-6]			
Lymph Node	Lymphatic, Pancreatic	Angiectasis	Marked
* Mammary Gland		Lactation	Mild
* Nose		Fungus	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 1-3]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 552

TRT#: 8

SEX: Female

DAY ON TEST: 738

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 890400

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 553

TRT#: 8

SEX: Female

DAY ON TEST: 559

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 890401

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Brain |
| * Clitoral Gland | * Esophagus | * Heart | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Islets, Pancreatic | * Kidney | * Lung |
| * Lymph Node, Mandibular | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Salivary Glands | * Skin | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | * Uterus | |

OBSERVATIONS

- | | | | |
|------------------------------------|---------------|------------------|----------|
| * Bone Marrow | | Hyperplasia | Moderate |
| * Liver | | Basophilic Focus | |
| | | Fatty Change | Minimal |
| * Lymph Node, Mesenteric | | Congestion | Moderate |
| * Mammary Gland | | Fibroadenoma | |
| [Fibroadenoma TGLS = 1-14+14.01] | | | |
| * Pituitary Gland | Pars Distalis | Cyst | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 554

TRT#: 8

SEX: Female

DAY ON TEST: 281

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 871998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Pituitary Gland

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Minimal
* Kidney	Renal Tubule	Regeneration	Minimal
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Mild
* Nose		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 555

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890402

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	Harderian Gland	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Uterus		

OBSERVATIONS

* Bone	Hyperostosis	Marked
[Hyperostosis TGLS = 3-11+12+15]		
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Mild
* Liver	Basophilic Focus	
	Clear Cell Focus	
[Basophilic Focus TGLS = 2-6]	Granuloma	Mild
* Spleen	Depletion Lymphoid	Mild
[Depletion Lymphoid TGLS = 1-3]		
* Stomach, Glandular	Depletion Cellular	Mild
[Depletion Cellular TGLS = 6-5]		
* Urinary Bladder	Papilloma	
[Papilloma TGLS = 5-9]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 556

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890403

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	Harderian Gland
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

Eye [Cataract TGLS = 2-14]	Cataract	Mild
* Heart	Cardiomyopathy	Mild
* Kidney	Mineralization	Mild
	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Fatty Change	Minimal
* Lymph Node, Mesenteric	Granuloma	Marked
* Mammary Gland	Lactation	Mild
* Ovary [Cyst TGLS = 1-7.01]	Cyst	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 557

TRT#: 8

SEX: Female

DAY ON TEST: 464

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 88287557

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Esophagus
* Intestine Large, Rectum
* Islets, Pancreatic
* Lymph Node, Mesenteric
* Pituitary Gland
* Stomach, Forestomach
* Trachea

* Adrenal Medulla
* Heart
* Intestine Small, Duodenum
* Liver
* Mammary Gland
* Salivary Glands
* Stomach, Glandular
* Urinary Bladder

* Bone
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lung
* Ovary
* Skin
* Thymus
* Uterus

* Bone Marrow
* Intestine Large, Colon
* Intestine Small, Jejunum
* Lymph Node, Mandibular
* Pancreas
* Spleen
* Thyroid Gland

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain	Capillary	Inflammation	Chronic, Mild
* Clitoral Gland		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Minimal
* Nose		Inflammation	Chronic, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 558

TRT#: 8

SEX: Female

DAY ON TEST: 619

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 890404

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Heart
* Nose
* Salivary Glands
* Trachea

* Adrenal Medulla
* Intestine Large, Rectum
* Ovary
* Skin

* Brain
* Islets, Pancreatic
* Pancreas
* Stomach, Forestomach

* Esophagus
* Lung
* Parathyroid Gland
* Thyroid Gland

MISSING

* Clitoral Gland

* Thymus

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum
* Intestine Small, Jejunum

* Intestine Large, Colon
* Kidney

* Intestine Small, Duodenum
* Urinary Bladder

* Intestine Small, Ileum

OBSERVATIONS

* Bone
* Bone Marrow
* Liver
 [Basophilic Focus TGLS = 7-6]
* Lymph Node, Mandibular
 [Infiltration Cellular TGLS = 8-9]
* Lymph Node, Mesenteric
* Mammary Gland
 [Adenocarcinoma TGLS = 3-16]
 [Fibroadenoma TGLS = 1-14+14.01,2-15,3-16,4-17]
* Pituitary Gland
 [Adenoma TGLS = 6-8]
* Spleen
* Stomach, Glandular
 [Erosion TGLS = 9-5.1]
* Uterus
 [Polyp Stromal TGLS = 5-7.01]

Pars Distalis

Hyperostosis
Hyperplasia
Basophilic Focus
Infiltration Cellular
Depletion Lymphoid
Adenocarcinoma
Fibroadenoma
Adenoma
Hematopoietic Cell Proliferation
Erosion
Polyp Stromal

Moderate
Moderate
Histiocyte, Marked
Marked
Multiple
Moderate
Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 558

TRT#: 8

SEX: Female

DAY ON TEST: 619

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 890404

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 559

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890405

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-6]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Adenoma	
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 560

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890406

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
* Mammary Gland		Lactation	Mild
* Nose		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen	Capsule	Fibrosis	Mild
Note: TGL 1 SPLENIC NODULE IS ADHERENT MESENTERIC FAT			
[Fibrosis TGLS = 1-3.1]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 561

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890407

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Nose	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Esophagus

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	[Basophilic Focus TGLS = 2-6]		
* Lymph Node, Mesenteric		Congestion	Moderate
* Mammary Gland		Lactation	Moderate
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
	[Adenoma TGLS = 1-8]		
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 562

TRT#: 8

SEX: Female

DAY ON TEST: 742

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890408

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Mineralization	Mild
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	Multiple
[Basophilic Focus TGLS = 3-6]			
[Hepatodiaphragmatic Nodule TGLS = 1-6.01,2-6.02]			
* Mammary Gland		Lactation	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 563

TRT#: 8

SEX: Female

DAY ON TEST: 530

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 890409

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Mineralization	Focal, Moderate
Blood		Bacterium	
* Bone Marrow		Hyperplasia	Mild
* Heart		Mineralization	Minimal
* Kidney		Bacterium	
* Liver		Hepatodiaphragmatic Nodule	
		Mineralization	Focal, Moderate
[Hepatodiaphragmatic Nodule TGLS = 6-6.01]			
[Mineralization TGLS = 2-6]			
* Lung		Mineralization	Focal, Marked
[Mineralization TGLS = 3-2]			
* Pancreas	Acinus	Atrophy	Mild
* Stomach, Forestomach		Acanthosis	Moderate
[Acanthosis TGLS = 4-5]			
* Stomach, Glandular		Erosion	Marked
[Erosion TGLS = 5-5]			
* Urinary Bladder		Hemorrhage	Marked
[Hemorrhage TGLS = 1-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 564

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890410

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Pituitary Gland

OBSERVATIONS

* Clitoral Gland	Dilatation	Moderate
* Heart	Cardiomyopathy	Mild
* Intestine Large, Colon	Parasite Metazoan	Mild
* Liver	Basophilic Focus	
	Clear Cell Focus	
	Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 4-6]		
[Hepatodiaphragmatic Nodule TGLS = 3-6.01]		
* Pituitary Gl		
Note: NO PITUITARY FOUND IN ORIGINAL SLIDE OR RETRIM		
* Spleen	Depletion Lymphoid	Minimal
[Depletion Lymphoid TGLS = 2-3]		
* Uterus	Polyp Stromal	
[Polyp Stromal TGLS = 1-7.01]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 565

TRT#: 8

SEX: Female

DAY ON TEST: 714

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 890411

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Ileum	* Intestine Small, Jejunum
--------------------------	--------------------------	----------------------------

OBSERVATIONS

* Bone Marrow		Hyperplasia	Marked
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-6+6.01]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-9.01,6-3]			
[Leukemia Mononuclear TGLS = 5-9.01,6-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-9.01,6-3]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-9.01,6-3]			
Mesentery		Accessory Spleen	
[Accessory Spleen TGLS = 3-3.01]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3.01]			
* Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 565

TRT#: 8

SEX: Female

DAY ON TEST: 714

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 890411

ORGAN AND ACCOUNTABLE SITE STATUS

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 4-7.01]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 566

TRT#: 8

SEX: Female

DAY ON TEST: 637

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 890412

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Clitoral Gland	* Esophagus	Eye
* Heart	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Pancreas	* Parathyroid Gland	Peripheral Nerve	* Skin
Spinal Cord	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone		Hyperostosis	Moderate
* Bone Marrow		Hyperplasia	Moderate
* Brain		Leukemia Mononuclear	
[Hemorrhage TGLS = 7-1]		Hemorrhage	Marked
Eye			
Note: TGL 1 NO BASIS FOR RED EYE SEEN			
* Kidney		Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-6.01]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-8]			
* Mammary Gland		Lactation	Moderate
* Nose		Inflammation	Acute, Moderate
* Ovary		Cyst	
[Cyst TGLS = 3-7]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Methylphenidate hydrochloride
CAS Number: 298-59-9

Date Report Requested: 10/20/2014
Time Report Requested: 20:10:06
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 566

TRT#: 8

SEX: Female

DAY ON TEST: 637

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 890412

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 6-8]

* Salivary Glands

Leukemia Mononuclear

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-3.01]

* Stomach, Glandular

Edema

Focal, Mild

[Edema TGLS = 9-5.1]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 567

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890413

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 1-6.1]			
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Focal, Moderate
* Skin		Basal Cell Adenoma	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 568

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890414

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	Vagina

OBSERVATIONS

* Bone		Hyperostosis	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6]			
* Lymph Node, Mesenteric		Congestion	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8.1]			
* Uterus			
Note: TGL 1 UTERINE NODULE IS NORMAL CERVIX			
Vagina			
Note: TGL 4 ENLARGED VAGINA IS NORMAL VAGINAL VAULT			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 569

TRT#: 8

SEX: Female

DAY ON TEST: 676

DOSE: 1000 PPM

DISP: Moribund Sacrifice

HISTO: 890415

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Marked
* Intestine Large, Colon		Parasite Metazoan	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3,2-9.1]			
[Leukemia Mononuclear TGLS = 4-3,2-9.1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3,2-9.1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3,2-9.1]			
* Mammary Gland		Lactation	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3.1]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 570

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890416

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Clitoral Gland	* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Cytoplasmic Alteration	Focal, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-6]			
[Leukemia Mononuclear TGLS = 1-6]			
* Lung	Alveolar Epith	Metaplasia	Marked
[Metaplasia TGLS = 4-2]			
* Mammary Gland		Lactation	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8.1]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus			

Note: TGL 3 UTERINE NODULE IS NORMAL CERVIX

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 571

TRT#: 8

SEX: Female

DAY ON TEST: 281

DOSE: 1000 PPM

DISP: Scheduled Sacrifice

HISTO: 871999

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Heart	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Kidney	* Liver
* Lymph Node, Mandibular	* Mammary Gland	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic, Focal, Mild
* Lung	Peribronchial	Inflammation	Chronic, Mild
* Lymph Node, Mesenteric		Giant Cell	Minimal
* Nose		Inflammation	Chronic, Focal, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 572

TRT#: 8

SEX: Female

DAY ON TEST: 669

DOSE: 1000 PPM

DISP: Natural Death

HISTO: 890417

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Islets, Pancreatic
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Necrosis	Moderate
* Bone Marrow		Myelofibrosis	Marked
* Brain		Abscess	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Small, Ileum		Abscess	Mild
* Intestine Small, Jejunum		Leukemia Mononuclear	
* Kidney		Abscess	Moderate
	Renal Tubule	Pigmentation	Bile, Mild
* Liver		Leukemia Mononuclear	
		Necrosis	Focal, Mild
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8.01]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-8.01]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Stomach, Glandular		Erosion	Marked
	[Erosion TGLS = 3-5+5.01]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 573

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890418

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Granuloma	Mild
* Mammary Gland		Lactation	Mild
* Nose		Inflammation	Chronic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 574

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890419

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|--------------------------|----------------------------|---------------------------|-----------------------------|
| * Adrenal Cortex | * Adrenal Medulla | * Bone | * Bone Marrow |
| * Brain | * Clitoral Gland | * Esophagus | * Heart |
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum |
| * Intestine Small, Ileum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lung |
| * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland | * Nose |
| * Ovary | * Pancreas | * Parathyroid Gland | * Pituitary Gland |
| * Salivary Glands | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | |
|-----------------------------------|--------------------|------|
| * Kidney | Mineralization | Mild |
| | Nephropathy | Mild |
| | Basophilic Focus | |
| * Liver | | |
| [Basophilic Focus TGLS = 2-6] | | |
| * Spleen | Depletion Lymphoid | Mild |
| [Depletion Lymphoid TGLS = 1-3] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05150-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Methylphenidate hydrochloride

CAS Number: 298-59-9

Date Report Requested: 10/20/2014

Time Report Requested: 20:10:06

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 575

TRT#: 8

SEX: Female

DAY ON TEST: 741

DOSE: 1000 PPM

DISP: Terminal Sacrifice

HISTO: 890420

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Mineralization	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
* Mammary Gland		Lactation	Mild
* Nose		Inflammation	Acute, Mild
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
[Adenoma TGLS = 2-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus	Endometrium	Cyst	
		Polyp Stromal	
[Cyst TGLS = 1-7.01]			
[Polyp Stromal TGLS = 3-7.02]			

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****

* PROTOCOL REQUIRED TISSUE