

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:16
First Dose M/F: NA / NA
Lab: TSI MASON

C Number: C56371B
Lock Date: 06/17/1992
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: 03/22/1994

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 616
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 900522

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, Mesenteric	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Cholangioma	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Ectasia	Mild
[Ectasia TGLS = 1-9+9.1]			
* Nose		Fungus	Mild
		Inflammation	Acute, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 2-17]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 451

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900524

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
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
* Nose		Fungus	Mild
		Inflammation	Acute, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 600
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 900525

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 | * Parathyroid Gland | * Peripheral Nerve | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Skin | * Spinal Cord | * Stomach, Forestomach | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|--------------------------|---------------|-------------------------------------|---------|
| * Adrenal Medulla | | Hyperplasia | Minimal |
| | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Minimal |
| | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Liver | | Eosinophilic Focus | |
| | | Hepatocellular Adenoma | |
| | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 3-6] | |
| * Lung | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Pancreas | Acinus | Atrophy | Minimal |
| | Acinus | Hyperplasia | Minimal |
| * Pituitary Gland | Pars Intermed | Cyst | Mild |
| | Pars Distalis | Hyperplasia | Mild |
| * Spleen | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 2-3] | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:16
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 600
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 900525

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Erosion	Mild
		Ulcer	Mild
[Ulcer TGLS = 6-5,5-5.1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3.1]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 659
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 900526

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	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

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

* Heart		Cardiomyopathy	Moderate
		Mineralization	Mild
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Moderate
	[Nephropathy TGLS = 4-4]		
* Liver		Basophilic Focus	
		Necrosis	Mild
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Fungus	Mild
		Inflammation	Acute, Mild
* Pancreas	Respirat Epith	Metaplasia	Squamous, Mild
	Acinus	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-8]		
* Sem Ves			
	Note: TGL #1: SEMINAL VESICLES APPEAR NORMAL		
* Stomach, Forestomach		Ulcer	Mild
	[Ulcer TGLS = 6-5.1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 659
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 900526

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular [Erosion TGLS = 5-5+5.1]		Erosion	Moderate
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 7	TRT#: 1	SEX: Male	DAY ON TEST: 721
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 900527

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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Eye	Lens	Cataract	Mild
[Cataract TGLS = 2-18]			
* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Cyst	
		Mineralization	Minimal
		Nephropathy	Moderate
[Cyst TGLS = 8-4.1]			
[Nephropathy TGLS = 6-4+4.1,7-4+4.1]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 10-6.1]			
[Hepatodiaphragmatic Nodule TGLS = 9-6.1]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 11-2,3]			
Mesentery	Fat	Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:16
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 7	TRT#: 1	SEX: Male	DAY ON TEST: 721
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 900527

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 5-17]			
* Pancreas	Acinus	Hyperplasia	Moderate
* Stomach, Forestomach		Hyperplasia	Squamous, Diffuse, Mild
		Ulcer	Mild
[Ulcer TGLS = 12-5.2,13-5.1]			
* Stomach, Glandular		Mineralization	Minimal
		Ulcer	Mild
[Ulcer TGLS = 12-5.2,13-5.1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7,4-7]			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900528

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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Brain		Hemorrhage	Minimal
[Hemorrhage TGLS = 4-1.1]			
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Carcinoma	
[Hepatocellular Carcinoma TGLS = 3-6]			
* Lung		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Mild
	Acinus	Hyperplasia	Minimal
	Artery	Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 8

TRT#: 1

DOSE: 0 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 900528

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 449

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900530

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	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Pancreas	Acinus	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Seminal Vesicle		Concretion	Minimal
			[Concretion TGLS = 1-14]
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 452

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900531

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	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 2-6]			
* Nose		Fungus	Mild
		Inflammation	Acute, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-7+7.1]			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 500

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 900532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Colon
* Intestine Small, Duodenum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Lung		Foreign Body	Mild
		Hemorrhage	Minimal
* Nose		Inflammation	Acute, Minimal
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 438

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900533

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, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Dilatation	Mild
[Dilatation TGLS = 2-5]			
* Intestine Small, Ileum		Dilatation	Mild
[Dilatation TGLS = 1-5]			
* Kidney		Nephropathy	Mild
* Liver		Fatty Change	Focal, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Diffuse, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 616

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900534

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	* Lung
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-9.1]	
		[Leukemia Mononuclear TGLS = 4-9.1]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-9.1]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 4-9.1]	
* Pancreas		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-3]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 14

TRT#: 1

DOSE: 0 MG/KG

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 616

HISTO: 900534

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach

[Ulcer TGLS = 5-5]

* Testes

[Adenoma TGLS = 2-7]

* Thymus

Bilateral, Interstit Cell

Hyperplasia

Ulcer

Adenoma

Leukemia Mononuclear

Squamous, Diffuse, Mild

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 451

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900535

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	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 2-6]			
* Lung		Inflammation	Chronic Active, Mild
* Nose		Fungus	Mild
		Inflammation	Acute, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Prostate		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 566

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900537

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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Fatty Change	Focal, Mild
		Leukemia Mononuclear	
	[Fatty Change TGLS = 7-6+6.1]		
	[Leukemia Mononuclear TGLS = 3-6+6.1,8-6+6.1]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-2+2.1+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]		
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:16
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 17	TRT#: 1	SEX: Male	DAY ON TEST: 566
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 900537

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-3.1]			
* Stomach, Forestomach		Hyperplasia Ulcer	Squamous, Diffuse, Mild Mild
[Ulcer TGLS = 6-5.1]			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
[Atrophy TGLS = 1-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900538

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Eye	Lens	Cataract	Minimal
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 5-4]			
* Liver		Basophilic Focus	
[Clear Cell Focus TGLS = 6-6+6.1]		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 4-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7+7.1,3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 450

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900541

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	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Nose		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 683

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900542

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
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
Eye	Lens	Leukemia Mononuclear	
[Cataract TGLS = 10-17]		Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
[Cyst TGLS = 12-4+4.1]		Leukemia Mononuclear	
[Nephropathy TGLS = 11-4+4.1]		Nephropathy	Moderate
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 7-2,3]		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-9]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-9]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:16
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 22	TRT#: 1	SEX: Male	DAY ON TEST: 683
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 900542

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland [Fibroadenoma TGLS = 2-18]		Fibroadenoma	
* Nose		Fungus Inflammation	Mild Acute, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Skin [Squamous Cell Carcinoma TGLS = 8-19]		Squamous Cell Carcinoma	
* Spleen [Leukemia Mononuclear TGLS = 4-3.1,5-3.1]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 3-7,9-7]	Bilateral, Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

Animal Note: TGL2 ENLARGEMENT IS MAMMARY GLAND.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 585

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Intestine Large, Cecum
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex	Leukemia Mononuclear	
* Adrenal Medulla	Leukemia Mononuclear	
* Bone Marrow	Leukemia Mononuclear	
* Brain	Leukemia Mononuclear	
* Heart	Cardiomyopathy	Minimal
* Islets, Pancreatic	Adenoma	
* Kidney	Leukemia Mononuclear	
	Nephropathy	Minimal
* Liver	Fatty Change	Focal, Minimal
	Leukemia Mononuclear	
[Fatty Change TGLS = 3-6]		
[Leukemia Mononuclear TGLS = 4-6]		
* Lung	Leukemia Mononuclear	
* Lymph Node, Mandibular	Leukemia Mononuclear	
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Pituitary Gland	Leukemia Mononuclear	
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3.1]		
* Stomach, Forestomach	Hyperplasia	Squamous, Diffuse, Mild
	Ulcer	Mild
[Ulcer TGLS = 5-5.1]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:16
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 23	TRT#: 1	SEX: Male	DAY ON TEST: 585
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 900543

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900545

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
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Carcinoma	
	[Hepatocellular Carcinoma TGLS = 5-6.1]		
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Carcinoma	
	[Carcinoma TGLS = 2-18]		
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-8]		
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-17]		
* Testes	Interstit Cell	Adenoma	Moderate
	Interstit Cell	Hyperplasia	Mild
	[Adenoma TGLS = 3-7]	Inflammation	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900546

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	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Keratoacanthoma	
	[Keratoacanthoma TGLS = 1-17]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7,3-7]		
* Thyroid Gland	Follicular Cel	Adenoma	
	[Adenoma TGLS = 4-2]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900547

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
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Brain	Hippocampus, Neuron	Necrosis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
	[Eosinophilic Focus TGLS = 2-6]		
* Lung		Inflammation	Chronic Active, Mild
* Nose		Inflammation	Acute, Mild
* Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Mild
	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7,3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 28

TRT#: 1

DOSE: 0 MG/KG

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 637

HISTO: 900548

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	* Mammary Gland
* Nose	* Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Salivary Glands	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

MISSING

* Parathyroid Gland

OBSERVATIONS

* Epididymis [Mesothelioma Malignant TGLS = 5-7]		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver [Fatty Change TGLS = 9-6]		Fatty Change	Focal, Minimal
* Lung		Inflammation	Chronic Active, Minimal
Mesentery [Mesothelioma Malignant TGLS = 4-7+8+9+19,10-7+8+9+19]		Mesothelioma Malignant	
* Pancreas [Mesothelioma Malignant TGLS = 7-9]		Mesothelioma Malignant	
* Prostate		Mesothelioma Malignant	
* Seminal Vesicle [Mesothelioma Malignant TGLS = 8-14]		Mesothelioma Malignant	
* Skeletal Muscle [Mesothelioma Malignant TGLS = 2-17+18+18.1]		Mesothelioma Malignant	
* Skin			
Note: TGL 3 SCROTAL NODULES NOT SEEN ON MICRO EXAM			
* Testes	Bilateral, Interstit Cell Tunic	Adenoma Mesothelioma Malignant	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:16
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 28	TRT#: 1	SEX: Male	DAY ON TEST: 637
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 900548

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Mesothelioma Malignant	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900550

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Adenoma	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
* Nose		Foreign Body	Minimal
		Inflammation	Acute, Mild
* Pancreas	Acinus	Adenoma	
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Mild

[Adenoma TGLS = 2-7]

[Atrophy TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 627

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
Ear	* 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
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8.1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900552

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
* Lymph Node, Mandibular	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Moderate
		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
Eye	Lens	Pheochromocytoma Benign	
[Cataract TGLS = 1-17]		Cataract	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
[Leukemia Mononuclear TGLS = 6-6]		Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Mild
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-9]			
[Leukemia Mononuclear TGLS = 5-9]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-9]			
* Nose		Inflammation	Acute, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:16
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 32	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 900552

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland [Adenoma TGLS = 7-8]	Pars Distalis	Adenoma	
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Spleen [Leukemia Mononuclear TGLS = 4-3.1]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 2-7,3-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 33

TRT#: 1

DOSE: 0 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 900553

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone Marrow	* 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	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Prostate	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone		Fracture	Mild
[Fracture TGLS = 7-18]			
* Brain		Mineralization	Mild
[Mineralization TGLS = 8-1]			
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17,2-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
[Clear Cell Focus TGLS = 10-6]			
* Lung		Inflammation	Chronic Active, Mild
		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 6-2.1]			
* Nose		Inflammation	Acute, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 9-8]			
* Preputial Gland		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-10.1]			
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Stomach, Forestomach		Hyperkeratosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900553

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperkeratosis TGLS = 5-5]

* Testes

Bilateral, Interstit Cell

Adenoma

[Adenoma TGLS = 4-7]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 505

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 900555

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* 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
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 5-6]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-9,2-8,3-9.1]	
		[Leukemia Mononuclear TGLS = 1-9,2-8,3-9.1]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-9,2-8,3-9.1]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-9,2-8,3-9.1]	
* Pancreas		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:16
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 35	TRT#: 1	SEX: Male	DAY ON TEST: 505
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 900555

ORGAN AND ACCOUNTABLE SITE STATUS

* Seminal Vesicle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3.1]			
* Stomach, Forestomach		Hyperplasia	Squamous, Diffuse, Mild
		Ulcer	Moderate
[Ulcer TGLS = 7-5.1]			
* Stomach, Glandular		Erosion	Minimal
[Erosion TGLS = 6-5]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 448

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900556

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
* Lymph Node, Mesenteric	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Minimal
[Hyperplasia TGLS = 1-9]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7+7.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900557

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Acute, Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 4-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 671

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 900558

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* 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	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Acute, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 718

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 900559

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	* Lymph Node, Mandibular	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Thymus
* Trachea			

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
		Mineralization	Minimal
* Kidney	Cortex	Mineralization	Mild
		Nephropathy	Moderate
	[Nephropathy TGLS = 5-4]		
* Liver		Fatty Change	Focal, Minimal
* Lung		Edema	Minimal
		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Infiltration Cellular	Histiocyte, Moderate
[Infiltration Cellular TGLS = 6-3]			
* Lymph Node, Mesenteric		Infiltration Cellular	Mild
[Infiltration Cellular TGLS = 6-3]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Seminal Vesicle		Concretion	Moderate
[Concretion TGLS = 4-14.1]			
* Stomach, Glandular		Erosion	Minimal
		Mineralization	Minimal
[Erosion TGLS = 7-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:16
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 39	TRT#: 1	SEX: Male	DAY ON TEST: 718
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 900559

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7,2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Hemorrhage	Moderate
[Hemorrhage TGLS = 3-9.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900562

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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 5-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7,4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900563

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, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Galactocele	
[Galactocele TGLS = 3-19]			
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 4-20]			
* Nose		Fungus	Mild
		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
Note: [ANGIOECTASIS] TGLs = 7-8			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 2-18]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7,6-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:16
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900563

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900564

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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 3-8]			
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Cyst	
[Cyst TGLS = 4-4]		Nephropathy	Moderate
* Liver		Basophilic Focus	
[Clear Cell Focus TGLS = 6-6+6.1]		Clear Cell Focus	
[Eosinophilic Focus TGLS = 7-6]		Eosinophilic Focus	
* Lung		Inflammation	Chronic Active, Mild
Mesentery	Fat	Necrosis	Marked
[Necrosis TGLS = 2-18]			
* Pancreas	Acinus	Atrophy	Mild
	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 44	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 900564

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 8-7]	Bilateral, Interstit Cell	Adenoma
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PRIMARY CAUSE OF DEATH	-
------------------------	---

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 617

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900565

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Epididymis
* Esophagus	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Mammary Gland	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Skin	* Trachea	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Intestine Large, Cecum	Lymphoid Tiss	Leukemia Mononuclear	
* Intestine Large, Colon	Lymphoid Tiss	Leukemia Mononuclear	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Fatty Change	Focal, Minimal
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-8.1,5-9.1]	
		[Leukemia Mononuclear TGLS = 3-8.1,5-9.1]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-8.1,5-9.1]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-8.1,5-9.1]	
* Nose		Fungus	Mild
		Inflammation	Acute, Moderate
	Respirat Epith	Metaplasia	Squamous, Mild
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:16
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 45 **TRT#:** 1 **SEX:** Male **DAY ON TEST:** 617
DOSE: 0 MG/KG **DISP:** Moribund Sacrifice **HISTO:** 900565

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-8]

* Prostate		Leukemia Mononuclear	
* Salivary Glands		Leukemia Mononuclear	
* Seminal Vesicle		Leukemia Mononuclear	
* Skeletal Muscle		Atrophy	Mild
		Leukemia Mononuclear	
* Spinal Cord		Hemorrhage	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3.1]			
* Stomach, Forestomach		Hyperplasia	Squamous, Diffuse, Mild
		Leukemia Mononuclear	
		Ulcer	Mild
[Ulcer TGLS = 6-5.1]			
* Stomach, Glandular		Erosion	Minimal
		Leukemia Mononuclear	
[Erosion TGLS = 7-5.1.2]			
* Testes	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
* Thyroid Gland		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 717

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900566

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Spinal Cord	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Epididymis		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Thrombosis	Moderate
* Intestine Large, Cecum	Lymphoid Tiss	Leukemia Mononuclear	
* Intestine Small, Ileum	Lymphoid Tiss	Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-6]		
* Lung		Inflammation	Chronic Active, Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-2+3]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-9,3-9.1,4-8+8.1,8-3.1]		
	[Leukemia Mononuclear TGLS = 1-9,3-9.1,4-8+8.1,8-3.1]		
* Lymph Node, Mandibular		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 717

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900566

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-9,3-9.1,4-8+8.1,8-3.1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-9,3-9.1,4-8+8.1,8-3.1]			
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Skin	Subcut Tiss	Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 9-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 10-7]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 524

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 900567

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------|-------------------|------------------------|--------------------------|
| * Bone | * Epididymis | * Esophagus | * Intestine Large, Colon |
| * Islets, Pancreatic | * Pancreas | * Parathyroid Gland | * Peripheral Nerve |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Stomach, Forestomach | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

AUTO PRECLUDES DIAG.

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Intestine Large, Cecum | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---|----------------------|---------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 3-1,4-1] | | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 2-6] | | |
| * Lung | | Foreign Body | Minimal |
| | | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Nose | | Leukemia Mononuclear | |
| * Pituitary Gland | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Minimal |
| * Spinal Cord | | Leukemia Mononuclear | |
| * Spleen | | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:16
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 47	TRT#: 1	SEX: Male	DAY ON TEST: 524
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 900567

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 1-3.1]			
* Stomach, Glandular		Erosion	Minimal
		Ulcer	Moderate
[Ulcer TGLS = 5-5.1]			
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900569

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

Eye [Cataract TGLS = 1-17]	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney [Cyst TGLS = 4-4.1] [Nephropathy TGLS = 5-4+4.1]		Cyst	
		Nephropathy	Moderate
* Liver [Basophilic Focus TGLS = 6-6+6.1]		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
* Nose		Fungus	Mild
		Inflammation	Acute, Mild
* Pancreas	Acinus	Adenoma	Multiple
	Acinus	Atrophy	Minimal
* Pituitary Gland [Adenoma TGLS = 2-8]	Pars Distalis	Adenoma	
* Testes [Adenoma TGLS = 3-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900569

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 678

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 900570

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Mild
[Hyperplasia TGLS = 2-9]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung		Foreign Body	Minimal
		Infiltration Cellular	Histiocyte, Minimal
		Galactocele	
* Mammary Gland		Fungus	Minimal
[Galactocele TGLS = 1-17]		Inflammation	Acute, Mild
* Nose		Squamous Cell Carcinoma	
		Atrophy	Minimal
* Pancreas	Acinus	Adenoma	
* Pituitary Gland	Pars Distalis		
[Adenoma TGLS = 3-8]			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 51

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900571

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	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
	[Clear Cell Focus TGLS = 2-6+6.1]		
* Nose		Inflammation	Acute, Minimal
* Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Mild
	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Seminal Vesicle		Atrophy	Minimal
	[Atrophy TGLS = 1-14]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 52

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900572

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
* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

Eye [Cataract TGLS = 1-17]	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Mammary Gland [Galactoceles TGLS = 2-18]		Galactoceles	
* Nose		Fungus	Moderate
		Inflammation	Acute, Mild
* Pituitary Gland [Adenoma TGLS = 4-8]	Pars Distalis	Adenoma	
* Testes [Adenoma TGLS = 3-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL #6: NORMAL MUCOSAL FOLD

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 53

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900573

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	* Nose	* Peripheral Nerve	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

Eye [Cataract TGLS = 1-17]	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Moderate
* Liver [Clear Cell Focus TGLS = 3-6+6.1]		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland [Adenoma TGLS = 2-8]	Pars Distalis	Adenoma	
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Stomach, Glandular [Hyperplasia TGLS = 6-5.1]		Hyperplasia	Lymphoid, Mild
* Testes [Adenoma TGLS = 4-7,5-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 54

TRT#: 1

SEX: Male

DAY ON TEST: 452

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900574

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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Stomach, Glandular		Hyperplasia	Minimal
[Hyperplasia TGLS = 2-5.1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7+7.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 55

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900575

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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Brain	Hippocampus, Neuron	Necrosis	Minimal
* Heart		Bacterium	Moderate
		Cardiomyopathy	Mild
		Inflammation	Acute, Mild
* Kidney		Nephropathy	Moderate
* Liver		Fatty Change	Focal, Mild
* Lung		Inflammation	Chronic Active, Mild
* Nose		Fungus	Mild
		Inflammation	Acute, Mild
* Pancreas	Acinus	Adenoma	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Stomach, Forestomach		Hyperplasia	Squamous, Diffuse, 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: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 56

TRT#: 1

SEX: Male

DAY ON TEST: 556

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900576

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	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8.1]		
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 57

TRT#: 1

SEX: Male

DAY ON TEST: 540

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900577

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
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Fatty Change	Focal, Minimal
[Fatty Change TGLS = 2-6]			
* Nose		Fungus	Moderate
		Inflammation	Acute, Mild
* Pancreas	Acinus	Hyperplasia	Minimal
* Stomach, Forestomach		Erosion	Minimal
		Hyperplasia	Squamous, Diffuse, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 58

TRT#: 1

SEX: Male

DAY ON TEST: 516

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 900578

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
* Nose		Inflammation	Acute, Minimal
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Stomach, Glandular		Erosion	Minimal
[Erosion TGLS = 1-5.1]			
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 60

TRT#: 1

SEX: Male

DAY ON TEST: 499

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 900580

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Colon
* Intestine Small, Duodenum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Focal, Minimal
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-6.1]			
* Lung		Congestion	Mild
		Inflammation	Chronic Active, Minimal
[Congestion TGLS = 1-2+3]			
* Pancreas	Acinus	Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 62

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900582

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Hepatocellular Adenoma TGLS = 5-6.1]		Hepatocellular Adenoma	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-10.1]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 63

TRT#: 1

SEX: Male

DAY ON TEST: 683

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900583

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Glandular
* Thymus	* Trachea		

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Stomach, Forestomach		Hyperplasia	Squamous, Diffuse, Mild
[Ulcer TGLS = 2-5]		Ulcer	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Calculus Gross Observation	
[Calculus Micro Observation Only TGLS = 4-9]		Calculus Micro Observation Only	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 64

TRT#: 1

SEX: Male

DAY ON TEST: 662

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900584

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
* Mammary Gland	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
Eye	Lens	Leukemia Mononuclear	
* Heart		Cataract	Mild
		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Leukemia Mononuclear	
* Liver		Nephropathy	Mild
		Fatty Change	Focal, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Intermed	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:16
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 64	TRT#: 1	SEX: Male	DAY ON TEST: 662
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 900584

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-3.1]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 6-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 65

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900585

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
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Minimal
	Artery	Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hemorrhage	Moderate
	Pars Distalis	Hyperplasia	Minimal
	[Hemorrhage TGLS = 1-8]		
* Spleen		Fibrosis	Moderate
	[Fibrosis TGLS = 3-3.1]		
* Testes	Seminif Tub	Atrophy	Minimal
	Interstit Cell	Hyperplasia	Minimal
		Inflammation	Mild
* Urinary Bladder		Calculus Gross Observation	
		Calculus Micro Observation Only	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 65

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900585

ORGAN AND ACCOUNTABLE SITE STATUS

[Calculus Micro Observation Only TGLS = 2-9]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 66

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900586

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	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-6.1]			
* Lung		Foreign Body	Mild
		Inflammation	Chronic Active, Mild
* Nose		Fungus	Moderate
		Inflammation	Acute, Moderate
* Pancreas	Acinus	Atrophy	Mild
	Acinus	Hyperplasia	Mild
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 1-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7,3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 67

TRT#: 1

SEX: Male

DAY ON TEST: 448

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900587

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	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Minimal
	[Fatty Change TGLS = 2-6.1]		
* Spleen		Congestion	Mild
	[Congestion TGLS = 1-3]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7+7.1]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 68

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900588

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, Mandibular	* Lymph Node, Mesenteric	* Parathyroid Gland
* Peripheral Nerve	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-18]			
* Nose		Inflammation	Acute, Mild
* Pancreas	Acinus	Adenoma	
	Acinus	Atrophy	Mild
	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
[Adenoma TGLS = 4-8]			
* Preputial Gland		Adenoma	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 69

TRT#: 1

SEX: Male

DAY ON TEST: 449

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900589

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
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Pancreas	Acinus	Atrophy	Minimal
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild

[Atrophy TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 71

TRT#: 1

SEX: Male

DAY ON TEST: 709

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900591

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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Brain	Hippocampus, Neuron	Necrosis	Mild
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Salivary Glands		Schwannoma Malignant	
[Schwannoma Malignant TGLS = 2-9.1]			
* Seminal Vesicle		Atrophy	Mild
[Atrophy TGLS = 4-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 73

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900593

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 5-9.1]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 6-6.1.1]			
* Lung		Alveolar/Bronchiolar Adenoma	
		Inflammation	Chronic Active, Mild
[Alveolar/Bronchiolar Adenoma TGLS = 4-2.2]			
* Pancreas	Acinus	Atrophy	Mild
	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 74

TRT#: 1

SEX: Male

DAY ON TEST: 508

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900594

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
* Islets, Pancreatic	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain	Hippocampus, Neuron	Necrosis	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Fatty Change	Focal, Minimal
		Leukemia Mononuclear	
* Lung		Foreign Body	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-2+3]		
	Lymph Node	Leukemia Mononuclear	
* Lymph Node, Mandibular	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery	Fat	Necrosis	Marked
	[Necrosis TGLS = 4-3.1]		
* Pituitary Gland	Pars Distalis	Cyst	
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLS = 1-17]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-3.1]		
* Stomach, Forestomach		Hyperplasia	Squamous, Diffuse, Mild
		Ulcer	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:16
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 74	TRT#: 1	SEX: Male	DAY ON TEST: 508
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 900594

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 7-5]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 6-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Tunic	Mesothelioma Malignant	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 75

TRT#: 1

SEX: Male

DAY ON TEST: 647

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900595

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* 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	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign Pheochromocytoma Malignant	
[Pheochromocytoma Benign TGLS = 2-8]			
[Pheochromocytoma Malignant TGLS = 2-8]			
* Heart		Cardiomyopathy	Moderate
* Intestine Large, Cecum		Dilatation	Mild
[Dilatation TGLS = 6-5.1+5.2]			
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 1-4]			
* Liver		Basophilic Focus Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
Lymph Node	Mediastinal	Ectasia	Minimal
[Ectasia TGLS = 4-3+3.1]			
* Pancreas	Acinus	Adenoma	
	Acinus	Hyperplasia	Mild
[Adenoma TGLS = 7-9.1]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Moderate
[Hyperplasia TGLS = 5-5A,5A.1,5A.2]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 75	TRT#: 1	SEX: Male	DAY ON TEST: 647
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 900595

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 76

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 900596

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	* Mammary Gland
* Peripheral Nerve	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Hemorrhage	Minimal
[Hemorrhage TGLS = 9-1+1.1]			
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 11-6+6.1]			
* Lung		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Sarcoma	Metastatic (Skin)
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-9.1]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-9.1]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-9.1]			
Mesentery	Fat	Necrosis	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 76

TRT#: 1

SEX: Male

DAY ON TEST: 715

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 900596

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 4-17]

* Nose		Inflammation	Acute, Minimal
* Pancreas	Acinus	Atrophy	Mild
	Acinus	Hyperplasia	Moderate
		Mixed Tumor Benign	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-10.1]			
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 8-18]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7,3-7]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Carcinoma	
[Carcinoma TGLS = 7-2,2.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 77

TRT#: 1

SEX: Male

DAY ON TEST: 113

DOSE: 0 MG/KG

DISP: Dosing Accident

HISTO: 900597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* 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	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Esophagus		Perforation	Moderate
[Perforation TGLS = 3-2]			
* Heart		Cardiomyopathy	Minimal
* Lung		Bacterium	Mild
		Foreign Body	Minimal
		Hemorrhage	Moderate
[Hemorrhage TGLS = 4-2+3]			
Lymph Node	Mediastinal	Angiectasis	Minimal
	Mediastinal	Pigmentation	Mild
[Pigmentation TGLS = 5-3.1]			
* Pancreas	Acinus	Atrophy	Minimal
* Spleen		Depletion Lymphoid	Minimal
		Hematopoietic Cell Proliferation	Mild
[Depletion Lymphoid TGLS = 1-3]			

PRIMARY CAUSE OF DEATH

-

Animal Note: A GOOD EXAMPLE OF GAVAGE ACCIDENT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 79

TRT#: 1

SEX: Male

DAY ON TEST: 450

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900599

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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Fatty Change	Focal, Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 282

DOSE: 12.5 MG/KG

DISP: Natural Death

HISTO: 900601

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
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart	Bacterium	Minimal
	Cardiomyopathy	Minimal
* Intestine Large, Cecum	Bacterium	Minimal
* Intestine Large, Colon	Bacterium	Minimal
* Liver	Bacterium	Mild
	Clear Cell Focus	
	Developmental Malformation	
	Necrosis	Mild
[Developmental Malformation TGLS = 2-6.01]		
* Lung	Bacterium	Minimal
	Congestion	Moderate
	Foreign Body	Minimal
* Nose	Bacterium	Mild
* Spleen	Depletion Lymphoid	Mild
	Pigmentation	Moderate
* Stomach, Glandular	Bacterium	Mild
	Erosion	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: POSSIBLE SEPTICEMIA OR AUTOLYTIC CHANGE.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900602

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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

Eye [Cataract TGLS = 1-17]	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver [Clear Cell Focus TGLS = 6-6+6.1]		Basophilic Focus Clear Cell Focus	
* Lung		Foreign Body Inflammation	Minimal Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland [Adenoma TGLS = 4-8]	Pars Distalis	Adenoma	
* Stomach, Glandular [Inflammation TGLS = 5-5.1]		Inflammation	Chronic Active, Minimal
* Testes [Adenoma TGLS = 3-7] [Atrophy TGLS = 2-7]	Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia	Moderate Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900603

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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Fatty Change	Focal, Minimal
[Clear Cell Focus TGLS = 2-6+6.1]			
* Lung		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 3-2,2.1,3]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900604

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 2-8.1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Fatty Change	Focal, Minimal
[Clear Cell Focus TGLS = 4-6+6.1]			
* Lung		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-2,2.1,3]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900605

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 2-6+6.1,3-6+6.1]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900606

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Acute, Minimal
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Minimal
* Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate

[Adenoma TGLS = 1-7]

[Atrophy TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900607

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Malignant	Mild
[Pheochromocytoma Malignant TGLS = 4-8.1]			
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 3-4,6-4]			
* Liver		Basophilic Focus	
* Lung		Foreign Body Inflammation	Minimal Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900608

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
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-7+7.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900609

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
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Focal, Minimal
	[Clear Cell Focus TGLS = 4-6+6.1]		
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Carcinoma	
	[Carcinoma TGLS = 1-10]		
* Pituitary Gland	Pars Distalis	Cyst	
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7,3-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900610

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 4-2,3]			
* Nose		Fungus	Mild
		Inflammation	Acute, Mild
* Pancreas	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
[Angiectasis TGLS = 7-8]			
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 6-5.1]			
* Stomach, Glandular		Hyperplasia	Minimal
[Hyperplasia TGLS = 2-5.1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7+7.1,5-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900610

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900611

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	* Nose	* Peripheral Nerve	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Fatty Change	Focal, Minimal
[Clear Cell Focus TGLS = 4-6+6.1]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
		Necrosis	Mild
Mesentery	Fat		
[Necrosis TGLS = 2-17]			
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Adenoma	
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900612

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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

Eye	Lens	Cataract	Mild
[Cataract TGLS = 6-17]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 3-6]		Fatty Change	Focal, Minimal
[Clear Cell Focus TGLS = 4-6,5-6]			
* Lung		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Mild
	Acinus	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7,2-7]			

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL #7: NORMAL MUCOSAL FOLD

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900613

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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 4-6,5-6.1]		Fatty Change	Focal, Minimal
* Lung		Fibrosis	Minimal
[Inflammation TGLS = 3-3+3.1]		Foreign Body	Minimal
* Pituitary Gland	Pars Distalis	Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Hyperplasia	Moderate
[Adenoma TGLS = 2-7]		Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900614

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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Eye	Lens	Cataract	Mild
[Cataract TGLS = 3-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 4-6.1]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Interstitial Cell	Hyperplasia	Mild
[Adenoma TGLS = 2-7]			
[Atrophy TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900615

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Clear Cell Focus TGLS = 5-6+6.1]		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 4-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7,3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 448

DOSE: 12.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900616

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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 1-6.1]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900617

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Inflammation	Chronic Active, Mild
* Nose		Foreign Body	Mild
		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Mild
	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 450

DOSE: 12.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900618

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 | * Nose |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Spinal Cord | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thymus | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|---------------------------------|----------------|------------------|----------|
| * Liver | | Clear Cell Focus | |
| [Clear Cell Focus TGLS = 1-6] | | | |
| * Testes | Interstit Cell | Hyperplasia | Moderate |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900619

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
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

Eye [Cataract TGLS = 1-17]	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Kidney [Nephropathy TGLS = 7-4+4.1]		Nephropathy	Mild
* Liver [Dilatation TGLS = 5-6.1]	Vein	Dilatation	Mild
* Lung		Inflammation	Chronic Active, Minimal
* Lymph Node, Mesenteric [Inflammation TGLS = 4-8]	Artery	Inflammation	Chronic Active, Mild
* Nose		Inflammation	Acute, Minimal
* Pancreas [Inflammation TGLS = 8-8]	Artery	Inflammation	Chronic Active, Mild
	Artery	Pigmentation	Mild
* Skeletal Muscle [Necrosis TGLS = 6-18]		Mineralization	Minimal
		Necrosis	Moderate
		Pigmentation	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900619

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7,3-7]

* Thymus

Fibrosis

Mild

Inflammation

Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 600

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900620

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Leukemia Mononuclear	
	[Eosinophilic Focus TGLS = 4-6.1,5-6.2]		
	[Leukemia Mononuclear TGLS = 2-6+6.1+6.2]		
* Lung		Leukemia Mononuclear	
* Nose		Inflammation	Acute, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3.1]		
* Stomach, Glandular		Erosion	Minimal
	[Erosion TGLS = 6-5.1]		
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 3-7]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 101

TRT#: 3

SEX: Male

DAY ON TEST: 675

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900621

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	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Brain	* Mammary Gland
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OBSERVATIONS

Eye [Cataract TGLS = 3-17]	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 4-6+6.1]		Basophilic Focus	
		Fatty Change	Focal, Minimal
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
Mesentery [Necrosis TGLS = 2-18]	Fat	Necrosis	Moderate
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin [Fibroma TGLS = 1-19+19.1]	Subcut Tiss	Fibroma	
* Stomach, Forestomach [Hyperplasia TGLS = 5-5.1]		Hyperplasia	Squamous, Diffuse, Mild
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 101

TRT#: 3

SEX: Male

DAY ON TEST: 675

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900621

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 102

TRT#: 3

DOSE: 12.5 MG/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 527

HISTO: 900622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Bone Marrow	* Brain
* Esophagus	* 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	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Epididymis		Mesothelioma Malignant	Metastatic (Testes)
* Heart		Cardiomyopathy	Mild
* Intestine Large, Cecum		Ulcer	Moderate
[Ulcer TGLS = 5,6-5.1+5.2]			
* Kidney		Nephropathy	Mild
* Liver		Congestion	Mild
[Congestion TGLS = 4-6+6.1]			
* Lung		Mesothelioma Malignant	Metastatic (Testes)
[Mesothelioma Malignant TGLS = 2-2.1]			
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 7-5.3]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
	Tunic	Mesothelioma Malignant	
[Adenoma TGLS = 3-7]			
[Mesothelioma Malignant TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 103

TRT#: 3

SEX: Male

DAY ON TEST: 449

DOSE: 12.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900623

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hepatocellular Adenoma	
	[Clear Cell Focus TGLS = 3-6.2]		
	[Hepatocellular Adenoma TGLS = 1-6.1]		
* Lung		Alveolar/Bronchiolar Adenoma	
		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Seminal Vesicle		Concretion	Minimal
	[Concretion TGLS = 2-14]		
* Testes	Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 104

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900624

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 3-6.1]			
* Lung		Edema	Mild
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 105

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900625

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	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Focal, Minimal
[Eosinophilic Focus TGLS = 4-6]			
* Nose		Inflammation	Acute, Minimal
* Pancreas	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7,3-7]			
* Thymus		Thymoma Benign	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 106

TRT#: 3

DOSE: 12.5 MG/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 456

HISTO: 900626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-----------------------------|----------------------------|--------------------------|---------------------------|
| * Bone | * Esophagus | * Intestine Large, Colon | * Intestine Large, Rectum |
| * Intestine Small, Duodenum | * Intestine Small, Jejunum | * Islets, Pancreatic | * Lymph Node, Mandibular |
| * Mammary Gland | * Nose | * Pancreas | * Parathyroid Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Stomach, Forestomach | * Thyroid Gland |
| * Trachea | * Urinary Bladder | | |

OBSERVATIONS

- | | | | |
|--------------------------|---|----------------------------|---------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| * Epididymis | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| | | Leukemia Mononuclear | |
| * Intestine Large, Cecum | Lymphoid Tiss | | |
| | [Leukemia Mononuclear TGLS = 6-5.1] | | |
| * Intestine Small, Ileum | Lymphoid Tiss | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 2-4] | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Hepatodiaphragmatic Nodule | |
| | | Leukemia Mononuclear | |
| | [Hepatodiaphragmatic Nodule TGLS = 4-6.1] | | |
| | [Leukemia Mononuclear TGLS = 3-6+6.1] | | |
| * Lung | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 5-3] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 5-3] | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:16
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 106	TRT#: 3	SEX: Male	DAY ON TEST: 456
	DOSE: 12.5 MG/KG	DISP: Natural Death	HISTO: 900626

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3.1]			
* Stomach, Glandular		Erosion	Minimal
[Erosion TGLS = 8-5.2]			
* Testes	Interstit Cell	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 107

TRT#: 3

SEX: Male

DAY ON TEST: 662

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900627

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
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Stomach, Forestomach

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-6+6.1]		
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Intermed	Cyst	
	Pars Distalis	Hyperplasia	Minimal
* Sem Ves			
	Note: TGL #2: SEMINAL VESICLES APPEAR NORMAL		
* Spleen		Leukemia Mononuclear	
		Necrosis	Mild
	[Leukemia Mononuclear TGLS = 3-3]		
	[Necrosis TGLS = 4-3]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:16
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 107

TRT#: 3

SEX: Male

DAY ON TEST: 662

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900627

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 1-7]

* Thymus

Epithel Cell

Hyperplasia

Mild

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 108

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900628

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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Eye	Lens	Cataract	Mild
[Cataract TGLS = 4-17]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 3-6+6.1]			
[Hepatodiaphragmatic Nodule TGLS = 2-6.1]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 108

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900628

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 109

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900629

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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

Eye [Cataract TGLS = 1-17]	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
[Clear Cell Focus TGLS = 4-6+6.1]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7,3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 110

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900630

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	[Clear Cell Focus TGLS = 2-6+6.1]		
	[Eosinophilic Focus TGLS = 3-6.1]		
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8.1]		
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 111

TRT#: 3

SEX: Male

DAY ON TEST: 448

DOSE: 12.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900631

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	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 1-6]			
* Nose		Fungus	Moderate
		Inflammation	Acute, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 112

TRT#: 3

SEX: Male

DAY ON TEST: 728

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900632

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Mild
[Pheochromocytoma Benign TGLS = 2-8.1]			
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Clear Cell Focus Fatty Change	Focal, Minimal
[Clear Cell Focus TGLS = 3-6+6.1]			
* Lung		Foreign Body Inflammation	Minimal Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 113

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900633

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	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 5-4]			
* Liver		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 4-6.1]		Fatty Change	Focal, Minimal
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia	Minimal
[Hyperplasia TGLS = 2-9]			
* Salivary Glands	Acinus	Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 114

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900634

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	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

Eye [Cataract TGLS = 1-17]	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver [Fatty Change TGLS = 5-6.1]		Fatty Change	Focal, Minimal
* Lung [Inflammation TGLS = 3-2,2.1,3]		Inflammation	Chronic Active, Mild
* Nose		Fungus Inflammation Squamous Cell Carcinoma	Moderate Acute, Mild
* Pancreas	Acinus	Hyperplasia	Minimal
* Pituitary Gland [Adenoma TGLS = 2-8.1]	Pars Distalis	Adenoma	
* Testes	Interstitial Cell Interstitial Cell	Adenoma Hyperplasia	Minimal
* Thyroid Gland [Adenoma TGLS = 4-7]	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 115

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900635

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
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

Eye [Cataract TGLS = 1-17]	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland [Adenoma TGLS = 2-8]	Pars Intermed Pars Distalis	Adenoma Cyst	
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 116

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900636

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	* Peripheral Nerve	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone		Hyperostosis	Marked
[Hyperostosis TGLS = 3-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Nose		Fungus	Mild
		Inflammation	Acute, Mild
	Respirat Epith	Metaplasia	Squamous, Minimal
* Pancreas	Acinus	Atrophy	Mild
	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7,2-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 117

TRT#: 3

DOSE: 12.5 MG/KG

SEX: Male

DISP: Natural Death

DAY ON TEST: 676

HISTO: 900637

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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland	* Peripheral Nerve
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OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Malignant TGLS = 1-8]		Pheochromocytoma Malignant	
* Heart [Cardiomyopathy TGLS = 3-13+13.1]		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver [Hepatodiaphragmatic Nodule TGLS = 2-6] [Necrosis TGLS = 5-6]		Hepatodiaphragmatic Nodule Necrosis	Mild
* Lung [Inflammation TGLS = 4-2.1]		Foreign Body Inflammation	Minimal Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 118

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900638

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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Eye	Retina	Atrophy	Moderate
[Atrophy TGLS = 1-17]			
* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Focal, Minimal
		Hepatodiaphragmatic Nodule	
[Clear Cell Focus TGLS = 5-6]			
[Hepatodiaphragmatic Nodule TGLS = 6-6]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 4-3,2]			
* Pancreas	Acinus	Atrophy	Mild
	Acinus	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
[Hyperplasia TGLS = 3-8]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 2-18]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 118	TRT#: 3	SEX: Male	DAY ON TEST: 725
	DOSE: 12.5 MG/KG	DISP: Terminal Sacrifice	HISTO: 900638

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Hyperplasia	Mild
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PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 119

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900639

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	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
[Clear Cell Focus TGLS = 6-6]			
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 4-2,5-2]			
* Nose		Inflammation	Acute, Minimal
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7,3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 120

TRT#: 3

SEX: Male

DAY ON TEST: 452

DOSE: 12.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900640

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
* Peripheral Nerve	* Preputial Gland	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-17]			
* Nose		Foreign Body	Minimal
		Inflammation	Acute, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-14.1+14.2]			
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Testes	Seminif Tub	Atrophy	Marked
[Atrophy TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 121

TRT#: 3

SEX: Male

DAY ON TEST: 679

DOSE: 12.5 MG/KG

DISP: Natural Death

HISTO: 900641

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	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Thymus
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AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver	Vein	Dilatation	Mild
		Leukemia Mononuclear	
[Dilatation TGLS = 2-6.1]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
[Angiectasis TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 122

TRT#: 3

SEX: Male

DAY ON TEST: 451

DOSE: 12.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900642

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
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
Lymph Node	Mediastinal	Angiectasis	Mild
* Stomach, Glandular		Hyperplasia	Minimal
[Hyperplasia TGLS = 1-5]			
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 123

TRT#: 3

SEX: Male

DAY ON TEST: 450

DOSE: 12.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900643

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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
Mesentery	Fat	Fibrosis	Mild
	Fat	Hemorrhage	Mild
[Hemorrhage TGLS = 1-17]			
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 124

TRT#: 3

SEX: Male

DAY ON TEST: 610

DOSE: 12.5 MG/KG

DISP: Natural Death

HISTO: 900644

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------|--------------------------|-----------------------------|--------------------------|
| * Adrenal Cortex | * Bone | * Bone Marrow | * Brain |
| * Epididymis | * Esophagus | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Islets, Pancreatic | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Parathyroid Gland | * Peripheral Nerve | * Preputial Gland |
| * Prostate | * Salivary Glands | * Seminal Vesicle | * Skeletal Muscle |
| * Skin | * Spinal Cord | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Testes | * Thymus | * Thyroid Gland |
| * Trachea | | | |

AUTO PRECLUDES DIAG.

- | | | | |
|--------------------------|--------------------------|---------------------------|----------------------------|
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Jejunum |
|--------------------------|--------------------------|---------------------------|----------------------------|

OBSERVATIONS

- | | | | |
|--|---------------|---------------------------------|---------------------|
| * Adrenal Medulla | | Hyperplasia | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| [Basophilic Focus TGLS = 3-6+6.1] | | | |
| * Lung | | Foreign Body | Minimal |
| | | Infiltration Cellular | Histiocyte, Minimal |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| [Adenoma TGLS = 1-8] | | | |
| * Urinary Bladder | | Calculus Gross Observation | |
| | | Calculus Micro Observation Only | |
| [Calculus Micro Observation Only TGLS = 2-9] | | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 125

TRT#: 3

SEX: Male

DAY ON TEST: 674

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900645

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
Ear	* 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	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain		Astrocytoma Malignant	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Foreign Body	Mild
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 126

TRT#: 3

SEX: Male

DAY ON TEST: 727

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900646

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
* Parathyroid Gland	* Peripheral Nerve	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 5-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Nose		Inflammation	Acute, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
[Adenoma TGLS = 4-8]			
* Preputial Gland		Adenoma	
* Stomach, Glandular		Erosion	Minimal
[Erosion TGLS = 3-5.1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7,2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 127

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900647

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	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 7,9-6+6.1]			
[Mixed Cell Focus TGLS = 8-6.1]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia	Minimal
[Hyperplasia TGLS = 2-9]			
* Mammary Gland		Hyperplasia	Minimal
[Hyperplasia TGLS = 3-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
Note: [ANGIOECTASIS] TGLs = 6-8			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7,5-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 127

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900647

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 128

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900648

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Eye	Lens	Cataract	Mild
[Cataract TGLS = 5-17]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 6-6]		Hyperplasia	Mild
[Hyperplasia TGLS = 7-6]			
* Lung		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 2-2,2,1,3]			
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Mild
[Angiectasis TGLS = 3-8]			
* Skeletal Muscle		Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7,4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 128

TRT#: 3

SEX: Male

DAY ON TEST: 726

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900648

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 129

TRT#: 3

SEX: Male

DAY ON TEST: 627

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900649

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Eye	Retina	Atrophy	Mild
	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Fatty Change	Diffuse, Moderate
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 3-17]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Spleen		Pigmentation	Mild
[Pigmentation TGLS = 1-3]			
* Stomach, Forestomach		Hyperplasia	Squamous, Diffuse, Moderate
		Ulcer	Mild

Note: TGL #6: LYMPH NODE AND SECTION OF NORMAL FORESTOMACH

[Ulcer TGLS = 2-5.1,7-5.4]

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:16
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 129	TRT#: 3	SEX: Male	DAY ON TEST: 627
	DOSE: 12.5 MG/KG	DISP: Moribund Sacrifice	HISTO: 900649

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular [Erosion TGLS = 5-5.2]		Erosion	Mild
* Testes [Adenoma TGLS = 8-7]	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 130

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900650

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Foreign Body	Minimal
		Hemorrhage	Moderate
		Inflammation	Chronic Active, Minimal
[Hemorrhage TGLS = 3-2+3]			
* Nose		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1,2-7+7.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 131

TRT#: 3

SEX: Male

DAY ON TEST: 637

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900651

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
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver			
Note: TGL #2: LIVER APPEARS NORMAL AND RED, NOT PALE.			
* Lung		Hemorrhage	Mild
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 1-14]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 132

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900652

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
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain	Hippocampus, Neuron	Necrosis	Moderate
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-2+3]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4,5-3.01+3.11+3.2]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7,3-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:16
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 132

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900652

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 133

TRT#: 3

SEX: Male

DAY ON TEST: 449

DOSE: 12.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900653

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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	[Clear Cell Focus TGLS = 1-6+6.1]		
* Lung		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 134

TRT#: 3

SEX: Male

DAY ON TEST: 368

DOSE: 12.5 MG/KG

DISP: Natural Death

HISTO: 900654

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Islets, Pancreatic
* Nose
* Preputial Gland
* Skeletal Muscle
* Stomach, Glandular
* Urinary Bladder

* Adrenal Medulla
* Epididymis
* Kidney
* Pancreas
* Prostate
* Skin
* Testes

* Bone
* Esophagus
* Lymph Node, Mesenteric
* Peripheral Nerve
* Salivary Glands
* Spinal Cord
* Thymus

* Bone Marrow
* Heart
* Mammary Gland
* Pituitary Gland
* Seminal Vesicle
* Stomach, Forestomach
* Trachea

MISSING

* Lymph Node, Mandibular

* Parathyroid Gland

* Thyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum
* Intestine Small, Ileum

* Intestine Large, Colon
* Intestine Small, Jejunum

* Intestine Large, Rectum

* Intestine Small, Duodenum

OBSERVATIONS

* Liver
* Lung
* Spleen

Clear Cell Focus
Congestion
Pigmentation

Moderate
Mild

[Pigmentation TGLS = 1-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 135

TRT#: 3

SEX: Male

DAY ON TEST: 450

DOSE: 12.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900655

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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 136

TRT#: 3

SEX: Male

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900656

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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Fatty Change	Focal, Minimal
	[Clear Cell Focus TGLS = 3-6]		
* Lung		Foreign Body	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7,2-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 137

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900657

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Acute, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 2-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 138

TRT#: 3

SEX: Male

DAY ON TEST: 690

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900658

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Bone Marrow		Fibrosis	Moderate
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Focal, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Foreign Body	Mild
		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 3-5,4-5]			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 139

TRT#: 3

SEX: Male

DAY ON TEST: 643

DOSE: 12.5 MG/KG

DISP: Natural Death

HISTO: 900659

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum

OBSERVATIONS

* Adrenal Cortex		Necrosis	Moderate
[Necrosis TGLS = 3-8]			
* Adrenal Medulla		Bacterium	Minimal
		Necrosis	Moderate
[Necrosis TGLS = 3-8]			
* Heart		Cardiomyopathy	Mild
* Kidney		Bacterium	Minimal
		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
		Bacterium	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Bacterium	Mild
		Leukemia Mononuclear	
		Necrosis	Moderate
[Necrosis TGLS = 1-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:16
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 139

TRT#: 3

SEX: Male

DAY ON TEST: 643

DOSE: 12.5 MG/KG

DISP: Natural Death

HISTO: 900659

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes

Bilateral, Interstit Cell
Seminif Tub

Adenoma
Atrophy

Moderate

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:16

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 140

TRT#: 3

SEX: Male

DAY ON TEST: 686

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900660

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
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
Eye	Lens	Pheochromocytoma Benign	
[Cataract TGLS = 10-17]		Cataract	Mild
* Heart		Cardiomyopathy	Mild
[Cardiomyopathy TGLS = 2-13]			
* Kidney		Leukemia Mononuclear	
		Necrosis	Mild
		Nephropathy	Mild
[Necrosis TGLS = 7-4]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Leukemia Mononuclear	
* Skin		Atrophy	Mild
		Abscess	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 140

TRT#: 3

SEX: Male

DAY ON TEST: 686

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900660

ORGAN AND ACCOUNTABLE SITE STATUS

[Abscess TGLS = 4-18,5-19]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-3.1]

* Stomach, Forestomach

Hyperplasia

Squamous, Diffuse, Mild

[Hyperplasia TGLS = 9-5]

* Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Minimal

[Adenoma TGLS = 8-7]

* Thymus

Note: TGL 3 NOT ADDRESSED. THYMUS MISSING.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 141

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900661

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 4-6]		Fatty Change	Focal, Minimal
* Lung		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7,3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 142

TRT#: 5

SEX: Male

DAY ON TEST: 725

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900662

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone		Fracture	Minimal
[Fracture TGLS = 2-18]			
Eye	Lens	Cataract	Mild
[Cataract TGLS = 3-19]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Fatty Change	Focal, Mild
		Mixed Cell Focus	
[Fatty Change TGLS = 6-6+6.1]			
[Mixed Cell Focus TGLS = 7-6]			
* Lung		Foreign Body	Mild
		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 5-2,3]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-17]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 725

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900663

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Clear Cell Focus TGLS = 3-6+6.1]		Clear Cell Focus	
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 211

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 900664

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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Stomach, Forestomach	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Spinal Cord		Glioma Nos	
* Spleen		Pigmentation	Mild

[Pigmentation TGLS = 1-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 145

TRT#: 5

DOSE: 25 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 727

HISTO: 900665

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	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

Eye	Lens	Cataract Inflammation	Mild Chronic Active, Mild
[Cataract TGLS = 2-17] [Inflammation TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Clear Cell Focus	
[Clear Cell Focus TGLS = 5-6+6.1]			
* Lung	Alveolar Epith	Foreign Body Hyperplasia Inflammation	Minimal Mild Chronic Active, Minimal
* Nose		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7,4-7]			
Tooth		Abscess	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 725

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900666

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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
[Basophilic Focus TGLS = 1-6+6.1]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 452

DOSE: 25 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900667

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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Testes	Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 148

TRT#: 5

DOSE: 25 MG/KG

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 709

HISTO: 900668

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	* Mammary Gland	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Glandular	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Focal, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6+6.1]			
* Lung		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-2+3]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Fungus	Moderate
		Inflammation	Acute, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Pancreas	Acinus	Adenoma	
		Leukemia Mononuclear	
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:17
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 709

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 900668

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrosis TGLS = 2-3]			
* Stomach, Forestomach		Erosion Hyperplasia	Moderate Squamous, Diffuse, Mild
[Erosion TGLS = 6-5.1.1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Intestine Large, Colon
* Intestine Small, Jejunum
* Mammary Gland
* Peripheral Nerve
* Seminal Vesicle
* Stomach, Forestomach
* Urinary Bladder

* Adrenal Medulla
* Epididymis
* Intestine Large, Rectum
* Islets, Pancreatic
* Nose
* Preputial Gland
* Skeletal Muscle
* Stomach, Glandular

* Bone
* Esophagus
* Intestine Small, Duodenum
* Lymph Node, Mandibular
* Pancreas
* Prostate
* Skin
* Thyroid Gland

* Bone Marrow
* Intestine Large, Cecum
* Intestine Small, Ileum
* Lymph Node, Mesenteric
* Parathyroid Gland
* Salivary Glands
* Spinal Cord
* Trachea

MISSING

* Thymus

OBSERVATIONS

* Brain

Note: TGL #3: BRAIN FOCUS NOT DISCERNIBLE

Eye

Lens

Cataract

Mild

[Cataract TGLS = 1-17]

* Heart

Cardiomyopathy

Mild

* Kidney

Nephropathy

Mild

* Liver

Basophilic Focus

Clear Cell Focus

Hepatodiaphragmatic Nodule

Leukemia Mononuclear

Mixed Cell Focus

[Clear Cell Focus TGLS = 6-6+6.1]

[Hepatodiaphragmatic Nodule TGLS = 5-6.1]

* Lung

Foreign Body

Minimal

Inflammation

Chronic Active, Minimal

Lymph Node

Mediastinal

Leukemia Mononuclear

Pancreatic

Leukemia Mononuclear

Leukemia Mononuclear

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:17
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 149	TRT#: 5	SEX: Male	DAY ON TEST: 730
	DOSE: 25 MG/KG	DISP: Terminal Sacrifice	HISTO: 900669

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 7-9.1]			
[Leukemia Mononuclear TGLS = 7-9.1]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 725

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900670

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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+6.1]		
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Pancreas		Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3+3.1]		
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 151

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900671

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
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain		Reticulosis Malignant	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
[Clear Cell Focus TGLS = 5-6+6.1+6.2]			
[Mixed Cell Focus TGLS = 4-6]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Mild
* Spleen		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 2-3.1]			
* Stomach, Forestomach		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 3-5.1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 152

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900672

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

Eye [Cataract TGLS = 1-17]	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 4-6.1]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7,3-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 154

TRT#: 5

SEX: Male

DAY ON TEST: 448

DOSE: 25 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900674

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	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Preputial Gland		Adenoma	
		Dilatation	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 155

TRT#: 5

SEX: Male

DAY ON TEST: 709

DOSE: 25 MG/KG

DISP: Natural Death

HISTO: 900675

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
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Degeneration	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
		Necrosis	Mild
[Necrosis TGLS = 3-6]			
* Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Pancreatic	Degeneration	Mild
[Degeneration TGLS = 5-9.1]			
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Erosion	Minimal
[Erosion TGLS = 4-5]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
[Adenoma TGLS = 1-7]			
[Atrophy TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 157

TRT#: 5

SEX: Male

DAY ON TEST: 668

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 900677

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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
[Adenoma TGLS = 8-9.1]			
* Kidney		Inflammation	Acute, Moderate
[Inflammation TGLS = 4-4+4.1]		Nephropathy	Mild
* Liver		Fatty Change	Focal, Minimal
* Lung		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Mineralization	Minimal
[Necrosis TGLS = 5-17]	Fat	Necrosis	Moderate
* Nose		Inflammation	Acute, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Prostate		Inflammation	Acute, Mild
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 3-14]			
* Spinal Cord		Inflammation	Acute, Minimal
* Spleen		Hematopoietic Cell Proliferation	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Diffuse, Moderate
		Ulcer	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:17
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 157	TRT#: 5	SEX: Male	DAY ON TEST: 668
	DOSE: 25 MG/KG	DISP: Moribund Sacrifice	HISTO: 900677

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 7-5.1]			
* Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Moderate
[Adenoma TGLS = 2-7]			
[Atrophy TGLS = 1-7]			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL #6: THICKENING DUE TO MUCOSAL FOLD

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 158

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900678

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Eye	Lens	Cataract	Minimal
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
		Hepatodiaphragmatic Nodule	
[Clear Cell Focus TGLS = 4-6+6.1]			
[Hepatodiaphragmatic Nodule TGLS = 3-6.1]			
* Lung		Foreign Body	Mild
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Moderate
	Artery	Hyperplasia	Moderate
[Hyperplasia TGLS = 5-9.1]			
[Hyperplasia TGLS = 5-9.1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:17
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 158	TRT#: 5	SEX: Male	DAY ON TEST: 730
	DOSE: 25 MG/KG	DISP: Terminal Sacrifice	HISTO: 900678

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 159

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900679

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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Stomach, Glandular	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Basophilic Focus	
[Leukemia Mononuclear TGLS = 8-6]		Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-9]			
[Leukemia Mononuclear TGLS = 5-9]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-9]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-9]			
* Mammary Gland		Galactocele	
[Galactocele TGLS = 2-18,3-10]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:17
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 159	TRT#: 5	SEX: Male	DAY ON TEST: 730
	DOSE: 25 MG/KG	DISP: Terminal Sacrifice	HISTO: 900679

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-8]	Pars Distalis	Leukemia Mononuclear	
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 7-3.1]			
[Leukemia Mononuclear TGLS = 4-3.1]			
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Minimal
[Hyperplasia TGLS = 9-5.1]			
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 160

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900680

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Fatty Change	Focal, Minimal
		Hepatodiaphragmatic Nodule	
[Fatty Change TGLS = 3-6+6.1]			
* Lung		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 161

TRT#: 5

SEX: Male

DAY ON TEST: 659

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 900681

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
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Spinal Cord	* Spleen	* Stomach, Glandular	* Thymus
* Trachea			

OBSERVATIONS

* Brain	Cerebellum, Neuron	Necrosis	Mild
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Mild
		Nephropathy	Moderate
	[Nephropathy TGLS = 2-4]		
* Liver		Fatty Change	Diffuse, Mild
		Mixed Cell Focus	
	[Fatty Change TGLS = 3-6+6.1+6.1.1,8-6+6.1+6.1.1]		
	[Mixed Cell Focus TGLS = 4-6.1.1]		
* Lung		Inflammation	Chronic Active, Mild
		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-8]		
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLS = 5-17]		
* Stomach, Forestomach		Hyperplasia	Squamous, Diffuse, Mild
		Ulcer	Mild
	[Ulcer TGLS = 9-5]		
* Testes	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 161	TRT#: 5	SEX: Male	DAY ON TEST: 659
	DOSE: 25 MG/KG	DISP: Moribund Sacrifice	HISTO: 900681

ORGAN AND ACCOUNTABLE SITE STATUS			
	Seminif Tub	Mineralization	Minimal
[Atrophy TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder		Calculus Micro Observation Only	
[Calculus Micro Observation Only TGLS = 7-9.1]			

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 162

TRT#: 5

SEX: Male

DAY ON TEST: 709

DOSE: 25 MG/KG

DISP: Natural Death

HISTO: 900682

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	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 2-6.1.1]		
* Lung		Foreign Body	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Nose		Foreign Body	Minimal
		Inflammation	Acute, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8.1]		
* Testes		Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 163

TRT#: 5

SEX: Male

DAY ON TEST: 448

DOSE: 25 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900683

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	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 1-6.1+6.2]		
* Lung		Inflammation	Chronic Active, Mild
* Nose		Fungus	Mild
		Inflammation	Acute, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 164

TRT#: 5

SEX: Male

DAY ON TEST: 451

DOSE: 25 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900684

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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Testes	Interstitial Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 165

TRT#: 5

SEX: Male

DAY ON TEST: 725

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900685

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	* Nose	* Peripheral Nerve	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
[Clear Cell Focus TGLS = 3-6+6.1]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 167

TRT#: 5

SEX: Male

DAY ON TEST: 650

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 900687

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	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Acute, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Stomach, Forestomach		Hyperplasia	Squamous, Diffuse, Moderate
		Ulcer	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 169

TRT#: 5

SEX: Male

DAY ON TEST: 451

DOSE: 25 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900689

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	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 170

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900690

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland	* Spinal Cord
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
[Clear Cell Focus TGLS = 5-6]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 4-2,3]			
* Pancreas	Acinus	Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	Follicular Cel	Adenoma	
[Adenoma TGLS = 3-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 171

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900691

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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
		[Clear Cell Focus TGLS = 4-6+6.1]	
		[Hepatodiaphragmatic Nodule TGLS = 2-6.1]	
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Galactocele	
		[Galactocele TGLS = 1-17]	
* Nose		Inflammation	Acute, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 3-8]	
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 171

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900691

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 172

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900692

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
		Pheochromocytoma Benign	
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6+6.1]			
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Foreign Body	Mild
		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Marked
* Pituitary Gland	Pars Distalis	Cyst	Mild
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
		Sarcoma	
[Leukemia Mononuclear TGLS = 3-3]			
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:17
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 172

TRT#: 5
DOSE: 25 MG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 900692

ORGAN AND ACCOUNTABLE SITE STATUS

Seminif Tub
Interstit Cell

Atrophy
Hyperplasia

Moderate
Minimal

[Adenoma TGLS = 2-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 173

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900693

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 174

TRT#: 5

SEX: Male

DAY ON TEST: 725

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900694

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 3-6+6.1]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Mild
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-17]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 175

TRT#: 5

SEX: Male

DAY ON TEST: 449

DOSE: 25 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900695

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	* Parathyroid Gland	* Peripheral Nerve
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Dilatation	Minimal
[Dilatation TGLS = 2-10]			
* Testes	Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 177

TRT#: 5

SEX: Male

DAY ON TEST: 674

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 900697

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, Mesenteric	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Epididymis		Mesothelioma Malignant	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Fatty Change	Focal, Minimal
[Fatty Change TGLS = 7-6.1.1]			
* Lung		Edema	Minimal
[Inflammation TGLS = 4-2+3]		Inflammation	Acute, Marked
* Lymph Node, Mandibular		Infiltration Cellular	Histiocyte, Minimal
[Infiltration Cellular TGLS = 1-9]			
* Nose		Inflammation	Acute, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Prostate		Abscess	Marked
[Abscess TGLS = 2-14]			
* Spleen		Hematopoietic Cell Proliferation	Mild
[Pigmentation TGLS = 3-3]		Pigmentation	Moderate
* Stomach, Glandular		Erosion	Moderate
[Erosion TGLS = 6-5.1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:17
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 177

TRT#: 5
DOSE: 25 MG/KG

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 674
HISTO: 900697

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell Tunic	Hyperplasia Mesothelioma Malignant	Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 178

TRT#: 5

SEX: Male

DAY ON TEST: 595

DOSE: 25 MG/KG

DISP: Dosing Accident

HISTO: 900698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

* Esophagus		Perforation	Mild
[Perforation TGLS = 1-2]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Lung		Bacterium	Mild
		Edema	Mild
		Foreign Body	Mild
		Inflammation	Acute, Mild
[Inflammation TGLS = 2-2+3]			
* Nose		Foreign Body	Mild
		Inflammation	Acute, Moderate
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 179

TRT#: 5

SEX: Male

DAY ON TEST: 725

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900699

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Eye	Lens	Cataract	Moderate
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 6-6+6.2,7-6+6.2]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
[Cyst TGLS = 5-8]			
* Preputial Gland		Dilatation	Mild
[Dilatation TGLS = 2-10.1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-7+7.1,4-7+7.1]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 180

TRT#: 5

SEX: Male

DAY ON TEST: 449

DOSE: 25 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900700

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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Fibrosis	Mild
	Fat	Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 1-8.1]			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: MAST CELLS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 181

TRT#: 5

SEX: Male

DAY ON TEST: 725

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900701

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	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
	[Clear Cell Focus TGLS = 2-6+6.1]		
* Lung		Inflammation	Chronic Active, Minimal
Mesentery		Sarcoma	
	[Sarcoma TGLS = 1-17+17.1+17.2+17.3]		
* Nose		Inflammation	Acute, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 182

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900702

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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-8]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7,2-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 183

TRT#: 5

SEX: Male

DAY ON TEST: 378

DOSE: 25 MG/KG

DISP: Natural Death

HISTO: 900703

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	* Liver	* Lung	* Lymph Node, Mesenteric
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Glandular
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Epididymis		Atypia Cellular Degeneration	Mild Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Dilatation	Mild
[Dilatation TGLS = 4-5]			
* Lung			
Note: NO FOCUS FOUND FOR TGL #3			
* Lymph Node, Mandibular		Hematopoietic Cell Proliferation	Mild
* Nose		Fungus Inflammation	Moderate Acute, Mild
	Respirat Epith	Metaplasia	Squamous, Mild
* Spleen		Depletion Lymphoid	Moderate
[Depletion Lymphoid TGLS = 2-3]			
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Mild
* Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 185

TRT#: 5

SEX: Male

DAY ON TEST: 324

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 900705

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
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Trachea			

MISSING

* Parathyroid Gland	* Pituitary Gland
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OBSERVATIONS

* Brain	Cranial Nerve	Schwannoma Malignant	
[Schwannoma Malignant TGLS = 1-8.1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Urinary Bladder		Hemorrhage	Minimal
[Hemorrhage TGLS = 2-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 186

TRT#: 5

SEX: Male

DAY ON TEST: 653

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 900706

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	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Leukemia Mononuclear	
	[Clear Cell Focus TGLS = 5-6.2,6-6.1]		
	[Leukemia Mononuclear TGLS = 1-6+6.1+6.2]		
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Minimal
	[Atrophy TGLS = 3-9A.1]		
* Pituitary Gland	Pars Distalis	Cyst	
* Skin		Ulcer	Moderate
	[Ulcer TGLS = 2-17]		
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Hyperplasia	Minimal
	[Hyperplasia TGLS = 7-5.1.1+5.1.2]		
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 186

TRT#: 5

SEX: Male

DAY ON TEST: 653

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 900706

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 189

TRT#: 5

SEX: Male

DAY ON TEST: 651

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 900709

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
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Spinal Cord	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Nephropathy	Mild
* Liver		Cyst	
		Leukemia Mononuclear	
		[Cyst TGLS = 7-6.2]	
		[Leukemia Mononuclear TGLS = 6-6+6.1+6.2]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Sem Ves			
Note: TGL #2: APPEAR NORMAL			
* Skin		Hyperkeratosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:17
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 189	TRT#: 5	SEX: Male	DAY ON TEST: 651
	DOSE: 25 MG/KG	DISP: Moribund Sacrifice	HISTO: 900709

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperkeratosis TGLS = 8-17]			
* Spleen		Leukemia Mononuclear Necrosis	Mild
[Leukemia Mononuclear TGLS = 1-3+3.1]			
[Necrosis TGLS = 4-3.1]			
* Stomach, Forestomach		Hyperplasia Ulcer	Squamous, Diffuse, Mild Moderate
[Ulcer TGLS = 5-5.1.1+5.1.2]			
* Testes	Seminif Tub Interstit Cell	Atrophy Hyperplasia	Mild Minimal
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 190

TRT#: 5

SEX: Male

DAY ON TEST: 640

DOSE: 25 MG/KG

DISP: Natural Death

HISTO: 900710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Islets, Pancreatic	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord	* Spleen
* Thymus	* Thyroid Gland	* Trachea	

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Jejunum
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Skin		Hemorrhage	Marked
		Thrombosis	Moderate
[Hemorrhage TGLS = 1-17+17.1]			
* Stomach, Forestomach		Ulcer	Mild
[Ulcer TGLS = 5-5.2]			
* Stomach, Glandular		Erosion	Minimal
[Erosion TGLS = 4-5.1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7+7.1]			
* Urinary Bladder		Calculus Gross Observation	
		Calculus Micro Observation Only	
[Calculus Micro Observation Only TGLS = 3-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 191

TRT#: 5

SEX: Male

DAY ON TEST: 725

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900711

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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 3-6]			
* Lung		Foreign Body	Minimal
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7+7.1,2-7+7.1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 192

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900712

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7,3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 193

TRT#: 5

SEX: Male

DAY ON TEST: 450

DOSE: 25 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900713

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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 1-6]			
* Lung		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 194

TRT#: 5

SEX: Male

DAY ON TEST: 325

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 900714

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* 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
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Pituitary Gland
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spleen	* Stomach, Glandular	* Testes
* Thymus	* Thyroid Gland	* Urinary Bladder	

MISSING

* Parathyroid Gland	* Peripheral Nerve	* Spinal Cord
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OBSERVATIONS

* Esophagus		Abscess	Moderate
		Perforation	Moderate
* Kidney		Nephropathy	Minimal
* Lung	Pleura	Inflammation	Acute, Moderate
[Inflammation TGLS = 5-2+3+3.1]			
* Nose		Inflammation	Acute, Mild
* Salivary Glands		Hemorrhage	Minimal
[Hemorrhage TGLS = 3-9.1]			
* Sem Ves			
Note: TGL #2: NORMAL			
* Skin			
Note: TGL #1: NO ACCUMULATION SEEN MICROSCOPICALLY			
* Stomach, Forestomach		Hyperkeratosis	Minimal
* Trachea		Abscess	Marked
		Perforation	Marked
[Abscess TGLS = 4-2.1+2.2]			

PRIMARY CAUSE OF DEATH

-

Animal Note: COD: PERFORATED ESOPHAGUS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 195

TRT#: 5

SEX: Male

DAY ON TEST: 450

DOSE: 25 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900715

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	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 196

TRT#: 5

SEX: Male

DAY ON TEST: 725

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900716

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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Benign TGLS = 3-8.1]		Pheochromocytoma Benign	
* Epididymis		Mesothelioma Malignant	
Eye [Hemorrhage TGLS = 5-17]		Hemorrhage	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver [Clear Cell Focus TGLS = 7-6]		Clear Cell Focus	
		Fatty Change	Focal, Minimal
* Lung		Foreign Body	Mild
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen [Fibrosis TGLS = 4-3.1]		Fibrosis	Mild
* Testes [Adenoma TGLS = 1-7+7.1,2-7+7.1]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 197

TRT#: 5

SEX: Male

DAY ON TEST: 725

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900717

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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 5-6]			
[Clear Cell Focus TGLS = 6-6+6.1]			
* Lung		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-2,2.1,3]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8.1]			
* Stomach, Glandular		Hyperplasia	Minimal
[Hyperplasia TGLS = 7-5.1]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-7]			
[Atrophy TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 198

TRT#: 5

SEX: Male

DAY ON TEST: 725

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900718

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
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
	[Clear Cell Focus TGLS = 3-6+6.1]		
* Lung		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-7+7.1]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL #2: NO FOCI FOUND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 199

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900719

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
		Hepatodiaphragmatic Nodule	
[Clear Cell Focus TGLS = 4-6,6-6.1,7-6.1,8-6.1,9-6.1]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7,5-7]			
* Urinary Bladder		Calculus Gross Observation	
		Calculus Micro Observation Only	
[Calculus Micro Observation Only TGLS = 3-9]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 199

TRT#: 5

SEX: Male

DAY ON TEST: 728

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900719

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 200

TRT#: 5

SEX: Male

DAY ON TEST: 725

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900720

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Seminal Vesicle	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 5-6+6.3]			
[Clear Cell Focus TGLS = 6-6+6.1+6.2+6.3]			
[Hepatodiaphragmatic Nodule TGLS = 2-6.2]			
* Lung		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 4-2,3]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Skeletal Muscle		Atrophy	Minimal
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 3-17]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 201

TRT#: 5

DOSE: 25 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 730

HISTO: 900721

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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Minimal
Eye	Lens	Leukemia Mononuclear	
[Cataract TGLS = 6-17]		Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-6+6.1]			
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Nose		Inflammation	Acute, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3,2-3.1,3-3.2,4-3.3]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 202

TRT#: 5

SEX: Male

DAY ON TEST: 289

DOSE: 25 MG/KG

DISP: Natural Death

HISTO: 900722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Kidney
* Mammary Gland
* Pituitary Gland
* Seminal Vesicle
* Spleen
* Thymus

* Adrenal Medulla
* Epididymis
* Liver
* Nose
* Preputial Gland
* Skeletal Muscle
* Stomach, Forestomach
* Trachea

* Bone
* Esophagus
* Lymph Node, Mandibular
* Pancreas
* Prostate
* Skin
* Stomach, Glandular
* Urinary Bladder

* Bone Marrow
* Islets, Pancreatic
* Lymph Node, Mesenteric
* Peripheral Nerve
* Salivary Glands
* Spinal Cord
* Testes

MISSING

* Parathyroid Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum
* Intestine Small, Ileum

* Intestine Large, Colon
* Intestine Small, Jejunum

* Intestine Large, Rectum
* Thyroid Gland

* Intestine Small, Duodenum

OBSERVATIONS

* Heart
* Lung

Cardiomyopathy
Foreign Body

Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 203

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900723

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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
[Clear Cell Focus TGLS = 2-6+6.1]			
* Lung		Foreign Body	Mild
		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 204

TRT#: 5

SEX: Male

DAY ON TEST: 725

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900724

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Cyst	
		Nephropathy	Mild
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 4-6+6.1]		Fatty Change	Focal, Minimal
* Lung		Foreign Body	Minimal
* Pancreas	Acinus	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7,3-7]	Seminif Tub	Atrophy	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 205

TRT#: 5

SEX: Male

DAY ON TEST: 88

DOSE: 25 MG/KG

DISP: Dosing Accident

HISTO: 900725

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
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Testes	* Thymus	* Thyroid Gland
* Urinary Bladder			

OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Liver	Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-6.1,3-6.2]		
* Lung	Edema	Minimal
	Foreign Body	Mild
	Hemorrhage	Mild
* Trachea	Erosion	Minimal
	Hemorrhage	Minimal
[Hemorrhage TGLS = 4-2]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 207

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900727

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

Eye [Cataract TGLS = 1-17]	Lens	Cataract	Mild
* Islets, Pancreatic [Adenoma TGLS = 3-9]		Adenoma	
* Kidney		Nephropathy	Mild
* Liver [Clear Cell Focus TGLS = 2-6+6.1]		Clear Cell Focus	
* Lung		Foreign Body Inflammation	Minimal Chronic Active, Minimal
* Pancreas	Acinus	Adenoma	
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Testes	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 208

TRT#: 5

SEX: Male

DAY ON TEST: 450

DOSE: 25 MG/KG

DISP: Natural Death

HISTO: 900728

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spinal Cord
* Spleen	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Thymoma Malignant	Metastatic (Thymus)
* Heart		Cardiomyopathy	Minimal
		Thymoma Malignant	Metastatic (Thymus)
* Kidney		Nephropathy	Minimal
		Thymoma Malignant	Metastatic (Thymus)
* Lung		Thymoma Malignant	Metastatic (Thymus)
[Thymoma Malignant TGLS = 5-2,3]			
* Skeletal Muscle		Thymoma Malignant	Metastatic (Thymus)
[Thymoma Malignant TGLS = 4-17]			
* Stomach, Forestomach		Ulcer	Minimal
* Stomach, Glandular		Erosion	Minimal
[Erosion TGLS = 7-5.11]			
* Testes	Interstitial Cell	Hyperplasia	Mild
* Thymus		Thymoma Malignant	
[Thymoma Malignant TGLS = 6-3A,3A.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 209

TRT#: 5

SEX: Male

DAY ON TEST: 592

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 900729

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
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain		Astrocytoma Malignant	
[Astrocytoma Malignant TGLS = 2-1+1.1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 6-6.1]		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 5-6.1]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Diffuse, Mild
[Hyperplasia TGLS = 4-5.1]		Ulcer	Minimal
* Testes	Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7.1]	Interstit Cell	Hyperplasia	Mild
[Hyperplasia TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 210

TRT#: 5

SEX: Male

DAY ON TEST: 725

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900730

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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
		Hepatocellular Adenoma	
		Leukemia Mononuclear	
[Clear Cell Focus TGLS = 2-6]			
* Lung		Foreign Body	Mild
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
[Inflammation TGLS = 3-2,3]			
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7+7.1,4-7+7.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 212

TRT#: 7

SEX: Male

DAY ON TEST: 452

DOSE: 50 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Intestine Large, Colon
- * Intestine Small, Jejunum
- * Lymph Node, Mesenteric
- * Peripheral Nerve
- * Salivary Glands
- * Spinal Cord
- * Thymus
- Zymbal's Gland

- * Adrenal Medulla
- * Epididymis
- * Intestine Large, Rectum
- * Islets, Pancreatic
- * Mammary Gland
- * Pituitary Gland
- * Seminal Vesicle
- * Spleen
- * Thyroid Gland

- * Bone
- * Esophagus
- * Intestine Small, Duodenum
- * Lung
- * Nose
- * Preputial Gland
- * Skeletal Muscle
- * Stomach, Forestomach
- * Trachea

- * Bone Marrow
- * Intestine Large, Cecum
- * Intestine Small, Ileum
- * Lymph Node, Mandibular
- * Parathyroid Gland
- * Prostate
- * Skin
- * Stomach, Glandular
- * Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Pancreas	Acinus	Atrophy	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 213

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900733

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	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

Eye [Cataract TGLS = 1-17]	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver [Basophilic Focus TGLS = 3-6]		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
* Nose		Inflammation	Acute, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 214

TRT#: 7

SEX: Male

DAY ON TEST: 725

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900734

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	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

Eye	Lens	Cataract	Mild
[Cataract TGLS = 6-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
[Nephropathy TGLS = 2-4+4.1]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
[Basophilic Focus TGLS = 4-6]			
[Clear Cell Focus TGLS = 5-6+6.1]			
* Lung		Inflammation	Chronic Active, Mild
* Nose		Foreign Body	Minimal
		Inflammation	Acute, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 215

TRT#: 7

SEX: Male

DAY ON TEST: 221

DOSE: 50 MG/KG

DISP: Natural Death

HISTO: 900735

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* 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	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain [Congestion TGLS = 4-1]	Congestion	Minimal
* Lung [Congestion TGLS = 1-2+3]	Congestion Foreign Body	Moderate Minimal
* Lymph Node, Mesenteric [Infiltration Cellular TGLS = 3-8]	Infiltration Cellular	Histiocyte, Minimal
* Spleen [Congestion TGLS = 2-3]	Congestion	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 218

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 50 MG/KG

DISP: Natural Death

HISTO: 900738

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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Brain		Mineralization	Mild
Eye	Lens	Cataract	Moderate
[Cataract TGLS = 2-17]			
* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Moderate
[Nephropathy TGLS = 1-4]			
* Liver		Basophilic Focus	
		Fatty Change	Focal, Minimal
[Basophilic Focus TGLS = 3-6]			
* Lung		Foreign Body	Minimal
		Granuloma	Mild
* Nose		Inflammation	Acute, Minimal
* Stomach, Glandular		Hyperplasia	Minimal
[Hyperplasia TGLS = 4-5]			
* Testes	Interstit Cell	Adenoma	
		Inflammation	Mild
[Adenoma TGLS = 5-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 218

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 50 MG/KG

DISP: Natural Death

HISTO: 900738

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 219

TRT#: 7

SEX: Male

DAY ON TEST: 448

DOSE: 50 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900739

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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 220

TRT#: 7

SEX: Male

DAY ON TEST: 725

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900740

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

Eye [Cataract TGLS = 1-17]	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon [Carcinoma TGLS = 4-5.1]		Carcinoma	
* Kidney		Degeneration	Mild
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
[Clear Cell Focus TGLS = 3-6+6.1]			
* Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
[Hyperplasia TGLS = 2-2+2.1+3]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 220

TRT#: 7

SEX: Male

DAY ON TEST: 725

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900740

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 221

TRT#: 7

SEX: Male

DAY ON TEST: 611

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 900741

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Peripheral Nerve	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland	* Preputial Gland
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OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Moderate
[Cardiomyopathy TGLS = 6-13]			
* Kidney		Nephropathy	Moderate
[Nephropathy TGLS = 2-4]			
* Liver		Fatty Change	Focal, Mild
* Lung		Hemorrhage	Mild
		Inflammation	Acute, Mild
[Inflammation TGLS = 1-2+2.1+3]			
* Nose		Fungus	Minimal
		Inflammation	Acute, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Stomach, Forestomach		Hyperplasia	Basal Cell, Mild
[Hyperplasia TGLS = 3-5.1.1]			
* Stomach, Glandular		Ulcer	Moderate
[Ulcer TGLS = 4-5.2.2]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Moderate
[Adenoma TGLS = 5-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 221

TRT#: 7

SEX: Male

DAY ON TEST: 611

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 900741

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 222

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900742

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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 5-6+6.1]			
[Hepatodiaphragmatic Nodule TGLS = 4-6.1]			
* Lung		Foreign Body	Mild
		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Skeletal Muscle		Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7,3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 224

TRT#: 7

DOSE: 50 MG/KG

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 687

HISTO: 900744

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, Mandibular	* Lymph Node, Mesenteric	Mesentery
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Eye	Lens	Cataract	Mild
[Cataract TGLS = 2-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6+6.1]			
* Lung		Inflammation	Chronic Active, Mild
* Nose		Fungus	Mild
		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 3-7]			
Zymbal's Gland		Carcinoma	
[Carcinoma TGLS = 1-18]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 224

TRT#: 7

DOSE: 50 MG/KG

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 687

HISTO: 900744

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 225

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900745

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
[Hyperplasia TGLS = 4-6.1]		Hyperplasia	Mild
* Lung		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7,3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 226

TRT#: 7

SEX: Male

DAY ON TEST: 690

DOSE: 50 MG/KG

DISP: Natural Death

HISTO: 900746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Colon
* Intestine Small, Duodenum	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Hyperplasia	Moderate
* Kidney		Nephropathy	Mild
* Lung		Edema	Mild
		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-7]			
[Atrophy TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 227

TRT#: 7

SEX: Male

DAY ON TEST: 451

DOSE: 50 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900747

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
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Testes	* Thyms	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

Harderian Gland [Hyperplasia TGLS = 2-17]		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
Mesentery [Inflammation TGLS = 1-18]	Fat	Inflammation	Chronic Active, Minimal
* Nose		Fungus	Mild
		Inflammation	Acute, Mild
* Perph Nerve Note: MAST CELLS			
* Preputial GI Note: MAST CELLS			

PRIMARY CAUSE OF DEATH

-

Animal Note: MAST CELLS IN ALL 3 NODES

Animal Note: TGL 3 IS MUCOSAL FOLD.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 228

TRT#: 7

SEX: Male

DAY ON TEST: 725

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900748

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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Moderate
* Liver		Clear Cell Focus	
		Fatty Change	Focal, Minimal
		Hepatodiaphragmatic Nodule	
[Clear Cell Focus TGLS = 4-6+6.1]			
[Hepatodiaphragmatic Nodule TGLS = 3-6.1.1,5-6.1]			
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Hemorrhage	Mild
[Hemorrhage TGLS = 6-10]			
* Pancreas		Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
[Cyst TGLS = 7-8]			
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:17
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 228

TRT#: 7

SEX: Male

DAY ON TEST: 725

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900748

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 229

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900749

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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
[Basophilic Focus TGLS = 5-6.1.1]			
[Clear Cell Focus TGLS = 6-6+6.1]			
[Fatty Change TGLS = 7-6+6.1]			
* Lung		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Mild
	Artery	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 4-9]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
[Adenoma TGLS = 3-7]			
[Atrophy TGLS = 2-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 229

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900749

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 230

TRT#: 7

SEX: Male

DAY ON TEST: 610

DOSE: 50 MG/KG

DISP: Natural Death

HISTO: 900750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Medulla	* Bone	* Bone Marrow	* Brain
* Epididymis	* Esophagus	* Islets, Pancreatic	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Adrenal Cortex		Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 2-6.1]			
* Lung		Foreign Body	Mild
		Hemorrhage	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 231

TRT#: 7

SEX: Male

DAY ON TEST: 688

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 900751

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	* Peripheral Nerve	* Prostate
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Leukemia Mononuclear TGLS = 5-6,6-6]		
* Lung		Inflammation	Chronic Active, Mild
* Nose		Foreign Body	Minimal
		Fungus	Mild
		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Preputial Gland	Bilateral	Adenoma	
	[Adenoma TGLS = 1-10]		
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-3,4-3.1]		
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 231

TRT#: 7

SEX: Male

DAY ON TEST: 688

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 900751

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-7]

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 232

TRT#: 7

SEX: Male

DAY ON TEST: 592

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 900752

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 4-6]		
* Lung		Hemorrhage	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Sem Ves			
	Note: TGL #3: SEMINAL VESICLES APPEAR NORMAL		
* Testes	Interstit Cell	Adenoma	
	[Adenoma TGLS = 2-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 233

TRT#: 7

SEX: Male

DAY ON TEST: 725

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900753

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
Eye	Lens	Cataract	Mild
[Cataract TGLS = 4-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Fatty Change TGLS = 3-6+6.1]		Fatty Change	Focal, Minimal
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Acute, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7,2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 236

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900756

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 3-6]			
* Lung		Inflammation	Chronic Active, Mild
* Nose		Inflammation	Acute, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 2-8]			
* Stomach, Glandular		Hyperplasia	Lymphoid, Mild
[Hyperplasia TGLS = 4-5.1]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 237

TRT#: 7

SEX: Male

DAY ON TEST: 578

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 900757

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	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Intestine Large, Colon		Dilatation	Minimal
[Dilatation TGLS = 1-5]			
* Kidney		Nephropathy	Mild
* Nose		Inflammation	Acute, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Stomach, Forestomach		Hyperplasia	Squamous, Diffuse, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 238

TRT#: 7

SEX: Male

DAY ON TEST: 531

DOSE: 50 MG/KG

DISP: Natural Death

HISTO: 900758

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Epididymis | * Esophagus | * Intestine Large, Cecum |
| * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Duodenum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | * Nose | * Peripheral Nerve | * Pituitary Gland |
| * Preputial Gland | * Prostate | * Salivary Glands | * Seminal Vesicle |
| * Skeletal Muscle | * Skin | * Stomach, Forestomach | * Stomach, Glandular |
| * Thyroid Gland | * Trachea | * Urinary Bladder | |

MISSING

- | | |
|-----------------|---------------------|
| * Mammary Gland | * Parathyroid Gland |
|-----------------|---------------------|

OBSERVATIONS

- | | | | |
|---------------------------------------|-------------|----------------------|----------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3-1] | | | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Islets, Pancreatic | | Adenoma | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| * Liver | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 2-6] | | | |
| * Lung | | Hemorrhage | Moderate |
| | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Spinal Cord | | Leukemia Mononuclear | |
| * Spleen | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 1-3.1] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:17
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 238

TRT#: 7
DOSE: 50 MG/KG

SEX: Male
DISP: Natural Death

DAY ON TEST: 531
HISTO: 900758

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 239

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900759

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, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

Eye [Cataract TGLS = 1-17]	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Small, Duodenum [Sarcoma TGLS = 4-5.1]		Sarcoma	
* Kidney		Nephropathy	Mild
* Liver [Mixed Cell Focus TGLS = 3-6.1]		Basophilic Focus Clear Cell Focus Fatty Change Mixed Cell Focus	Focal, Minimal
* Lung		Foreign Body Inflammation	Minimal Chronic Active, Minimal
* Mammary Gland		Fibrosis	Mild
* Stomach, Glandular [Inflammation TGLS = 5-5.1]		Inflammation	Chronic, Minimal
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 239

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900759

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 241

TRT#: 7

SEX: Male

DAY ON TEST: 450

DOSE: 50 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900761

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
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
Lymph Node	Mediastinal	Angiectasis	Mild
	Mediastinal	Pigmentation	Mild
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 242

TRT#: 7

SEX: Male

DAY ON TEST: 725

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900762

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
		Pheochromocytoma Benign	
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Hemorrhage	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7,3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 243

TRT#: 7

SEX: Male

DAY ON TEST: 301

DOSE: 50 MG/KG

DISP: Natural Death

HISTO: 900763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Kidney
* Lymph Node, Mesenteric
* Parathyroid Gland
* Prostate
* Skin
* Thymus

* Adrenal Medulla
* Epididymis
* Liver
* Mammary Gland
* Peripheral Nerve
* Salivary Glands
* Spinal Cord
* Trachea

* Bone
* Esophagus
* Lung
* Nose
* Pituitary Gland
* Seminal Vesicle
* Stomach, Forestomach

* Bone Marrow
* Islets, Pancreatic
* Lymph Node, Mandibular
* Pancreas
* Preputial Gland
* Skeletal Muscle
* Testes

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum
* Intestine Small, Ileum

* Intestine Large, Colon
* Intestine Small, Jejunum

* Intestine Large, Rectum
* Stomach, Glandular

* Intestine Small, Duodenum
* Thyroid Gland

OBSERVATIONS

* Heart
* Spleen
* Urinary Bladder

Cardiomyopathy
Pigmentation
Calculus Micro Observation Only
Hyperplasia

Minimal
Mild
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 244

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900764

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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

Eye [Cataract TGLS = 1-17]	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Stomach, Forestomach [Squamous Cell Papilloma TGLS = 2-5.1]		Squamous Cell Papilloma	
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 245

TRT#: 7

SEX: Male

DAY ON TEST: 563

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 900765

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, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve | * Pituitary Gland | * Preputial Gland | * Prostate |
| * Salivary Glands | * Seminal Vesicle | * Skin | * Spinal Cord |
| * Stomach, Forestomach | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Mammary Gland

OBSERVATIONS

- | | | | |
|----------------------|---|-------------------------|---------------------|
| * Adrenal Medulla | | Pheochromocytoma Benign | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | Cerebellum, Neuron | Necrosis | Minimal |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Mild |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 3-6+6.1] | | |
| * Lung | | Infiltration Cellular | Histiocyte, Minimal |
| | | Leukemia Mononuclear | |
| * Skeletal Muscle | | Atrophy | Mild |
| * Spleen | | Leukemia Mononuclear | |
| | Capsule | Necrosis | Marked |
| | [Leukemia Mononuclear TGLS = 1-3.1] | | |
| | [Necrosis TGLS = 2-3.1] | | |
| * Stomach, Glandular | | Ulcer | Mild |
| | [Ulcer TGLS = 4-5.1.1] | | |
| * Testes | Interstit Cell | Adenoma | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 245

TRT#: 7

DOSE: 50 MG/KG

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 563

HISTO: 900765

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 246

TRT#: 7

SEX: Male

DAY ON TEST: 725

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900766

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	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Mammary Gland		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 1-17.1]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 247

TRT#: 7

SEX: Male

DAY ON TEST: 448

DOSE: 50 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900767

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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 248

TRT#: 7

SEX: Male

DAY ON TEST: 725

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900768

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	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Parathyroid Gland	* Peripheral Nerve	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Galactocele	
* Mammary Gland			
[Galactocele TGLS = 1-17,2-18,3-19]			
* Nose		Fungus	Mild
		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8.01]			
* Preputial Gland		Dilatation	Mild
[Dilatation TGLS = 4-10]			
* Testes	Interstit Cell	Hyperplasia	Minimal
* Urin Bladder			
Note: TGL 5 CALCULUS NOT SEEN ON MICRO EXAM.			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 249

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900769

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	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Fatty Change	Focal, Minimal
		Leukemia Mononuclear	
[Clear Cell Focus TGLS = 5-6+6.1]			
* Lung		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3+3.1]			
* Stomach, Glandular		Hyperplasia	Mild
[Hyperplasia TGLS = 4-5.1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:17
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 249

TRT#: 7
DOSE: 50 MG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 728
HISTO: 900769

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 250

TRT#: 7

SEX: Male

DAY ON TEST: 725

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900770

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	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 2-6.1]			
* Lung		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 251

TRT#: 7

SEX: Male

DAY ON TEST: 725

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900771

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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

Eye [Cataract TGLS = 1-17]	Lens	Cataract	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Clear Cell Focus Eosinophilic Focus Leukemia Mononuclear	
* Lung		Foreign Body Inflammation	Minimal Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland [Adenoma TGLS = 2-2]	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 252

TRT#: 7

SEX: Male

DAY ON TEST: 515

DOSE: 50 MG/KG

DISP: Natural Death

HISTO: 900772

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	* Islets, Pancreatic	* Liver
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Pancreas	* Peripheral Nerve	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland	* Preputial Gland
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AUTO PRECLUDES DIAG.

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

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Lung		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Stomach, Glandular		Erosion	Minimal
[Erosion TGLS = 1-5.1]			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 253

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900773

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 2-8]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
[Clear Cell Focus TGLS = 5-6+6.1]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Chronic Active, Minimal
Mesentery	Artery	Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Angiectasis	Moderate
[Angiectasis TGLS = 4-3]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7,3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 254

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900774

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
* Lymph Node, Mesenteric	* Mammary Gland	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Spinal Cord

OBSERVATIONS

Eye	Lens	Cataract	Moderate
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Moderate
* Kidney		Nephropathy	Mild
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Foreign Body	Mild
		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
* Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Interstitial Cell	Hyperplasia	Minimal
[Adenoma TGLS = 2-7]			
[Atrophy TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 255

TRT#: 7

SEX: Male

DAY ON TEST: 730

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900775

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
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Hemorrhage	Mild
[Hemorrhage TGLS = 1-1.1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			
* Urinary Bladder		Calculus Gross Observation	
		Calculus Micro Observation Only	
[Calculus Micro Observation Only TGLS = 3-9]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 257

TRT#: 7

SEX: Male

DAY ON TEST: 728

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900777

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Spinal Cord

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 2-8.1]			
Eye	Retina	Atrophy	Minimal
[Atrophy TGLS = 1-17]			
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Testes	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 3-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 258

TRT#: 7

SEX: Male

DAY ON TEST: 589

DOSE: 50 MG/KG

DISP: Accidentally Killed

HISTO: 900778

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
* Lymph Node, Mesenteric	* Mammary Gland	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Lung		Foreign Body	Minimal
* Nose		Foreign Body	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
* Stomach, Glandular		Erosion	Minimal
* Testes	Interstit Cell	Adenoma	
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 259

TRT#: 7

SEX: Male

DAY ON TEST: 369

DOSE: 50 MG/KG

DISP: Natural Death

HISTO: 900779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Epididymis	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Ileum	* Islets, Pancreatic	* Kidney
* Liver	* Lymph Node, Mandibular	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Testes	* Thymus
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Jejunum
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OBSERVATIONS

* Heart	Cardiomyopathy	Minimal
* Lung	Foreign Body	Minimal
	Hemorrhage	Moderate
	Inflammation	Chronic Active, Minimal
[Hemorrhage TGLS = 5-2+3]		
* Lymph Node, Mesenteric	Congestion	Minimal
[Congestion TGLS = 3-8]		
* Pancreas	Atrophy	Minimal
* Prostate	Concretion	Minimal
[Concretion TGLS = 2-14]		
* Spleen	Pigmentation	Mild
[Pigmentation TGLS = 1-3]		
* Thyroid Gland	Congestion	Minimal
[Congestion TGLS = 4-2]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 260

TRT#: 7

SEX: Male

DAY ON TEST: 725

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900780

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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
		Fatty Change	Focal, Minimal
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 261

TRT#: 7

SEX: Male

DAY ON TEST: 449

DOSE: 50 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900781

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	* Nose	* Pancreas	* Peripheral Nerve
* Pituitary Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Lung		Hemorrhage	Moderate
* Skin	Subcut Tiss	Fibroma	
	[Fibroma TGLS = 1-17+17.1]		
* Testes	Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 262

TRT#: 7

SEX: Male

DAY ON TEST: 731

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900782

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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

Eye [Cataract TGLS = 1-17]	Lens	Cataract	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver [Clear Cell Focus TGLS = 3-6+6.1]		Basophilic Focus Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
* Testes [Adenoma TGLS = 2-7]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 263

TRT#: 7

SEX: Male

DAY ON TEST: 659

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 900783

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	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Eosinophilic Focus	
	[Eosinophilic Focus TGLS = 4-6]		
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Skin		Acanthosis	Mild
		Keratoacanthoma	
	[Acanthosis TGLS = 2-18]		
	[Keratoacanthoma TGLS = 1-17]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 3-7]		

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL #5: NO FOCI IN ANY OF THE SECTIONS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 264

TRT#: 7

SEX: Male

DAY ON TEST: 662

DOSE: 50 MG/KG

DISP: Natural Death

HISTO: 900784

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	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Pancreas
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland	* Parathyroid Gland
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AUTO PRECLUDES DIAG.

* Intestine Small, Ileum	* Intestine Small, Jejunum	* Spleen	* Stomach, Glandular
* Thyroid Gland			

OBSERVATIONS

* Heart	Cardiomyopathy	Moderate
* Kidney	Nephropathy	Mild
* Liver	Basophilic Focus	
* Lung	Foreign Body	Minimal
	Infiltration Cellular	Histiocyte, Minimal
* Sem Ves		
Note: TGL #3: SEMINAL VESICLES APPEAR NORMAL		
* Testes	Bilateral, Interstit Cell	Adenoma

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

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 265

TRT#: 7

SEX: Male

DAY ON TEST: 684

DOSE: 50 MG/KG

DISP: Natural Death

HISTO: 900785

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	* Islets, Pancreatic	* Lymph Node, Mandibular
* Mammary Gland	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Bone			
Note: TGL 7 MASS IS IN SKELETAL MUSCLE NOT BONE			
* Brain		Gliosis	Focal, Minimal
* Heart		Cardiomyopathy	Mild
		Fibrous Histiocytoma	
* Kidney	Renal Tubule	Degeneration	Hyaline, Mild
		Hydronephrosis	Mild
		Nephropathy	Minimal
	[Hydronephrosis TGLS = 4-4]		
* Liver		Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLS = 3,12-6+6.1]		
* Lung		Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLS = 5,6-2+3.01]		
* Lymph Node, Mesenteric		Fibrous Histiocytoma	
* Nose		Fungus	Mild
		Inflammation	Acute, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Skeletal Muscle		Fibrous Histiocytoma	
	[Fibrous Histiocytoma TGLS = 7,8,9-18+20+21]		
* Skin	Subcut Tiss	Fibrous Histiocytoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 265

TRT#: 7

SEX: Male

DAY ON TEST: 684

DOSE: 50 MG/KG

DISP: Natural Death

HISTO: 900785

ORGAN AND ACCOUNTABLE SITE STATUS

[Fibrous Histiocytoma TGLS = 1,2-17+19]

* Stomach, Glandular

Erosion

Mild

[Erosion TGLS = 11-5.1+5.1.1]

* Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 1 MASS IS IN SUBCUT TISSUE NOT IN AXILLARY LN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 266

TRT#: 7

SEX: Male

DAY ON TEST: 396

DOSE: 50 MG/KG

DISP: Natural Death

HISTO: 900786

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
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung		Hemorrhage	Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 267

TRT#: 7

SEX: Male

DAY ON TEST: 450

DOSE: 50 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900787

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	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 268

TRT#: 7

SEX: Male

DAY ON TEST: 449

DOSE: 50 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900788

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex
* Brain
* Intestine Large, Rectum
* Islets, Pancreatic
* Lymph Node, Mesenteric
* Parathyroid Gland
* Prostate
* Skin
* Stomach, Glandular
* Urinary Bladder

* Adrenal Medulla
* Epididymis
* Intestine Small, Duodenum
* Kidney
* Mammary Gland
* Peripheral Nerve
* Salivary Glands
* Spinal Cord
* Thymus

* Bone
* Esophagus
* Intestine Small, Ileum
* Liver
* Nose
* Pituitary Gland
* Seminal Vesicle
* Spleen
* Thyroid Gland

* Bone Marrow
* Intestine Large, Cecum
* Intestine Small, Jejunum
* Lymph Node, Mandibular
* Pancreas
* Preputial Gland
* Skeletal Muscle
* Stomach, Forestomach
* Trachea

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 269

TRT#: 7

SEX: Male

DAY ON TEST: 725

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900789

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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Mild
[Clear Cell Focus TGLS = 7-6-6.1+6.2+6.4]		Hepatocellular Adenoma	
[Hepatocellular Adenoma TGLS = 5-6.3]			
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibrosis	Mild
		Hemorrhage	Mild
[Hemorrhage TGLS = 2-18]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:17
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 269

TRT#: 7

SEX: Male

DAY ON TEST: 725

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900789

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 4-7]

[Atrophy TGLS = 3-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 270

TRT#: 7

SEX: Male

DAY ON TEST: 710

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 900790

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	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver			
Note: TGL #5: NO FOCI DISCERNIBLE			
* Lung	Mediastinum	Bacterium	Mild
	Mediastinum	Inflammation	Chronic Active, Moderate
		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 1-2+2.1]			
* Nose		Foreign Body	Minimal
		Inflammation	Acute, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 4-8]			
* Stomach, Glandular		Erosion	Mild
[Erosion TGLS = 3-5.1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 271

TRT#: 7

SEX: Male

DAY ON TEST: 697

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 900791

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	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign	Minimal
[Pheochromocytoma Benign TGLS = 4-8]			
* Bone		Osteosarcoma	
[Osteosarcoma TGLS = 6-13+17+17.1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus Cyst	
[Basophilic Focus TGLS = 8-6.1]			
[Cyst TGLS = 9-6]			
* Lung		Foreign Body Infiltration Cellular Inflammation Osteosarcoma	Minimal Histiocyte, Mild Chronic Active, Mild Metastatic (Bone)
[Osteosarcoma TGLS = 7-2.1+3]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Abscess	Marked
[Abscess TGLS = 2-14]			
* Seminal Vesicle		Atrophy	Minimal
[Atrophy TGLS = 3-14]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:17
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 271	TRT#: 7	SEX: Male	DAY ON TEST: 697
	DOSE: 50 MG/KG	DISP: Moribund Sacrifice	HISTO: 900791

ORGAN AND ACCOUNTABLE SITE STATUS

* Spinal Cord		Cyst	
* Stomach, Forestomach		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 10-5]			
* Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Minimal
[Atrophy TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 272

TRT#: 7

SEX: Male

DAY ON TEST: 668

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 900792

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	* Mammary Gland	* Nose	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Eosinophilic Focus	
		Hepatocellular Adenoma	
		Leukemia Mononuclear	
	[Hepatocellular Adenoma TGLS = 3-6]		
	[Leukemia Mononuclear TGLS = 4-6+6.1+6.2]		
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-5.1]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 272

TRT#: 7

SEX: Male

DAY ON TEST: 668

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 900792

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 273

TRT#: 7

SEX: Male

DAY ON TEST: 451

DOSE: 50 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900793

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
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
Note: MAST CELLS			
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Nose		Cyst	
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 274

TRT#: 7

SEX: Male

DAY ON TEST: 725

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900794

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

Eye [Cataract TGLS = 1-17]	Lens	Cataract	Mild
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
* Lung		Foreign Body	Mild
		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Testes	Interstitial Cell	Adenoma	
	Interstitial Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 275

TRT#: 7

SEX: Male

DAY ON TEST: 725

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900795

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
* Parathyroid Gland	* Peripheral Nerve	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skeletal Muscle	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 3-6+6.1]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
* Nose		Inflammation	Acute, Minimal
* Pancreas	Acinus	Atrophy	Mild
	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Hyperplasia	Moderate
* Skin		Basal Cell Adenoma	
[Basal Cell Adenoma TGLS = 1-17]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 276

TRT#: 7

SEX: Male

DAY ON TEST: 726

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900796

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	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
* Liver		Clear Cell Focus	
		Leukemia Mononuclear	
	[Clear Cell Focus TGLS = 6-6]		
	[Leukemia Mononuclear TGLS = 4-6]		
* Lung		Inflammation	Chronic Active, Mild
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	
* Skin		Trichoepithelioma	
	[Trichoepithelioma TGLS = 3-17]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3+3.1+3.2,2-3+3.1+3.2]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 5-7]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 277

TRT#: 7

SEX: Male

DAY ON TEST: 725

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900797

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, Mandibular	* Lymph Node, Mesenteric	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-17]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 2-6]			
[Eosinophilic Focus TGLS = 4-6.1]			
* Lung		Fibrosis	Mild
		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 277

TRT#: 7

DOSE: 50 MG/KG

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 725

HISTO: 900797

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 279

TRT#: 7

SEX: Male

DAY ON TEST: 725

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900799

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 3-6+6.1]			
* Lung		Foreign Body	Mild
		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Mild
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Marked
[Hyperplasia TGLS = 4-5.1]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7,2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 280

TRT#: 7

SEX: Male

DAY ON TEST: 727

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900800

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, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Focal, Minimal
[Clear Cell Focus TGLS = 4-6+6.1]			
* Lung		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-7,2-7,3-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 296

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 637

HISTO: 900801

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 | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Nose | * Ovary | * Pancreas |
| * Parathyroid Gland | * Peripheral Nerve | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | | | |

MISSING

- * Clitoral Gland

OBSERVATIONS

- | | | | |
|-------------------|---|----------------------------|-------------------------|
| * Liver | | Basophilic Focus | |
| | | Hepatodiaphragmatic Nodule | |
| | | Mixed Cell Focus | |
| | [Basophilic Focus TGLS = 3-6+6.1+6.2] | | |
| | [Hepatodiaphragmatic Nodule TGLS = 2-6.1] | | |
| * Lung | | Foreign Body | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| | | Fibroadenoma | |
| * Mammary Gland | | | |
| | [Fibroadenoma TGLS = 1-10.1+10.2] | | |
| * Pituitary Gland | Pars Distalis | Cyst | |
| * Uterus | | Polyp Stromal | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 297

TRT#: 2

SEX: Female

DAY ON TEST: 724

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900802

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, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Hyperplasia	Mild
[Hyperplasia TGLS = 1-9]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-17+17.1]			
Oral Mucosa		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 3-9.1,16]			
* Stomach, Forestomach		Hyperkeratosis	Mild
		Hyperplasia	Basal Cell, Mild
[Hyperplasia TGLS = 5-5]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 298

TRT#: 2

SEX: Female

DAY ON TEST: 590

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 900803

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Heart
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
Vagina			

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Liver [Basophilic Focus TGLS = 3-6+6.1]		Basophilic Focus	
* Lung		Foreign Body	Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-16+16.1]		Fibroadenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus [Polyp Stromal TGLS = 2-7.1]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 299

TRT#: 2

SEX: Female

DAY ON TEST: 534

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900804

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
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 5-6]		
* Lung		Foreign Body	Mild
		Inflammation	Chronic Active, Minimal
		Fibroadenoma	
* Mammary Gland			
	[Fibroadenoma TGLS = 1-16]		
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	[Angiectasis TGLS = 4-8]		
* Skin			
	Note: TGL 1 MASS IS IN MAMMARY GLAND		
* Spleen		Hematopoietic Cell Proliferation	Mild
	[Hematopoietic Cell Proliferation TGLS = 3-3]		
* Uterus		Schwannoma Malignant	
	[Schwannoma Malignant TGLS = 2-7.1+7.2]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 300

TRT#: 2

SEX: Female

DAY ON TEST: 455

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900805

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	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	Vagina	

OBSERVATIONS

* Clitoral GI			
Note: MAST CELLS			
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 301

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900806

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	* Peripheral Nerve	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hyperplasia	Mild
[Basophilic Focus TGLS = 2-6+6.1]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 302

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900807

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Pigmentation	Minimal
	[Basophilic Focus TGLS = 2-6]		
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
	[Adenoma TGLS = 1-8]		
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 303

TRT#: 2

SEX: Female

DAY ON TEST: 458

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900808

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus	Vagina		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-6+6.1]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 304

TRT#: 2

SEX: Female

DAY ON TEST: 661

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900809

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
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Mild
	[Fatty Change TGLS = 3-6+6.1]		
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-8]		
* Spleen		Pigmentation	Mild
	[Pigmentation TGLS = 2-3]		
* Stomach, Forestomach		Ulcer	Mild
	[Ulcer TGLS = 5-5.1]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 305

TRT#: 2

SEX: Female

DAY ON TEST: 546

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Cecum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Intestine Large, Colon [Dilatation TGLS = 2-5.1,3-5.1]		Dilatation	Mild
* Intestine Large, Rectum [Dilatation TGLS = 2-5.1,3-5.1]		Dilatation	Mild
* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung		Foreign Body	Mild
* Nose		Inflammation	Acute, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
* Uterus		Polyp Stromal	
		Sarcoma Stromal	
[Sarcoma Stromal TGLS = 1-7.1+7.2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 306

TRT#: 2

SEX: Female

DAY ON TEST: 638

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900811

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	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Stomach, Forestomach		Inflammation	Acute, Minimal
[Inflammation TGLS = 2-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 307

TRT#: 2

SEX: Female

DAY ON TEST: 632

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900812

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	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	[Basophilic Focus TGLS = 3-6+6.1]		
	[Hepatodiaphragmatic Nodule TGLS = 4-6.1]		
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
		Fibroadenoma	
* Mammary Gland			
	[Fibroadenoma TGLS = 1-16]		
* Nose		Inflammation	Acute, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
* Uterus		Dilatation	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL #2: MUCOSAL FOLDING.

Animal Note: TGL #2: LYMPHOID TISSUE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 308

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900813

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
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Necrosis	Minimal
* Lung		Carcinoma	Metastatic (Thyroid Gland)
* Ovary		Cyst	
[Cyst TGLS = 2-7]			
* Pituitary Gland	Pars Intermed	Atypia Cellular	
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Thyroid Gland	C Cell	Carcinoma	
[Carcinoma TGLS = 3-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 309

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 900814

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Skeletal Muscle
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Islets, Pancreatic		Adenoma	
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		[Basophilic Focus TGLS = 4-6+6.1]	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 2-17]	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
		[Adenoma TGLS = 3-8]	
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Skin		Basal Cell Adenoma	
		[Basal Cell Adenoma TGLS = 1-16]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 310

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900815

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	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Clitoral Gland [Adenoma TGLS = 1-16]	Bilateral	Adenoma	
* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
* Liver [Basophilic Focus TGLS = 3-6+6.1]		Basophilic Focus	
* Lung Mesentery [Necrosis TGLS = 2-17]	Fat	Inflammation Necrosis	Chronic Active, Minimal Moderate
* Nose		Inflammation	Acute, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 311

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 900816

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
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Spinal Cord	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6+6.1,4-6+6.1]		
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-9.1]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-9.1]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-9.1]		
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:17
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 311	TRT#: 2	SEX: Female	DAY ON TEST: 736
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 900816

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-8]		
* Skin	Hyperkeratosis	Marked
[Hyperkeratosis TGLS = 1-16]		
* Spleen	Fibrosis	Mild
[Fibrosis TGLS = 6-3.1]	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3.1]		
* Stomach, Forestomach	Hyperplasia	Basal Cell, Mild
[Hyperplasia TGLS = 7-5.1]	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 312

TRT#: 2

SEX: Female

DAY ON TEST: 576

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 900817

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Brain		Astrocytoma Malignant	
[Astrocytoma Malignant TGLS = 2-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Edema	Mild
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 313

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 590

HISTO: 900818

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Skeletal Muscle	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

Eye	Retina	Atrophy	Moderate
	Lens	Cataract	Moderate
	[Cataract TGLS = 3-16]		
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
	[Hepatodiaphragmatic Nodule TGLS = 2-6.1]	Hepatodiaphragmatic Nodule	
* Lung		Foreign Body	Minimal
		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Skin	Subcut Tiss	Sarcoma	
	[Sarcoma TGLS = 1-17]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 314

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900819

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-6+6.1]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 315

TRT#: 2

SEX: Female

DAY ON TEST: 454

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900820

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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	Vagina	

OBSERVATIONS

Eye	Lens	Cataract	Mild
		Synechia	Mild
		[Cataract TGLS = 1-16]	
* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		[Hepatodiaphragmatic Nodule TGLS = 2-6,3-6.1]	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 316

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Bone	* Brain	* Clitoral Gland
Ear	* 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
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hemorrhage	Moderate
* Bone Marrow		Leukemia Mononuclear	
Eye	Lens	Cataract	Mild
[Cataract TGLS = 2-16]			
* Heart		Leukemia Mononuclear	
* Kidney	Cortex	Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Fatty Change	Moderate
[Leukemia Mononuclear TGLS = 5,9-6]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 3-10]			
* Nose		Fungus	Mild
		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-3]			
* Stomach, Glandular		Erosion	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:17
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 316	TRT#: 2	SEX: Female	DAY ON TEST: 736
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 900821

ORGAN AND ACCOUNTABLE SITE STATUS

[Erosion TGLS = 7-5.1]		Hyperplasia	Minimal
[Hyperplasia TGLS = 8-5.1]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Dilatation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 317

TRT#: 2

SEX: Female

DAY ON TEST: 516

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 900822

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Small, Duodenum
* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Ileum
* Intestine Small, Jejunum			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Foreign Body	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 318

TRT#: 2

SEX: Female

DAY ON TEST: 524

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 900823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum
* Intestine Small, Jejunum	* Islets, Pancreatic	* Mammary Gland	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Clitoral Gland		Dilatation	Mild
[Dilatation TGLS = 8-10]			
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Intestine Large, Cecum	Lymphoid Tiss	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 10-5]			
* Kidney		Leukemia Mononuclear	
	Cortex	Mineralization	Minimal
		Nephropathy	Mild
[Nephropathy TGLS = 4-4]			
* Liver		Fatty Change	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6+6.1]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Bacterium	Minimal
		Inflammation	Acute, Minimal
* Ovary		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:17
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 318	TRT#: 2	SEX: Female	DAY ON TEST: 524
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 900823

ORGAN AND ACCOUNTABLE SITE STATUS

[Cyst TGLS = 2-7]		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 7-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3.1]			
* Stomach, Forestomach		Hyperkeratosis	Mild
		Hyperplasia	Basal Cell, Mild
[Hyperkeratosis TGLS = 9-5+5.1]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Adenoma	
[Adenoma TGLS = 6-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 319

TRT#: 2

SEX: Female

DAY ON TEST: 647

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900824

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Spinal Cord	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Mixed Cell Focus TGLS = 4-6.1]			
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Acute, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 1-16]			
* Stomach, Forestomach		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-5]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 320

TRT#: 2

SEX: Female

DAY ON TEST: 457

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900825

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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus	Vagina		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-2.1]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Skeletal Muscle		Atrophy	Mild
		Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MAST CELLS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:17

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 321

TRT#: 2

SEX: Female

DAY ON TEST: 676

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900826

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Islets, Pancreatic		Carcinoma	
[Carcinoma TGLS = 6-9]			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 7-6]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 5-2]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3.1]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 4-16]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 321

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 676

HISTO: 900826

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 322

TRT#: 2

SEX: Female

DAY ON TEST: 632

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900827

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	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Congestion	Minimal
		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
[Congestion TGLS = 4-2]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-16+16.1]			
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 2-17]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 323

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 900828

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
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Inflammation	Chronic Active, Mild
			[Basophilic Focus TGLS = 3-6]
			[Inflammation TGLS = 4-6]
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Acute, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
			[Adenoma TGLS = 2-8]
* Uterus		Polyp Stromal	
			[Polyp Stromal TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 324

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900829

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	* Ovary	* Pancreas
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		Mixed Cell Focus	
	[Basophilic Focus TGLS = 4-6+6.1]		
	[Hepatodiaphragmatic Nodule TGLS = 6-6.11]		
	[Mixed Cell Focus TGLS = 5-6]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-2+3]		
* Nose		Inflammation	Acute, Mild
* 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: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 325

TRT#: 2

SEX: Female

DAY ON TEST: 457

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900830

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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	Vagina	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
Note: TGL 2 FOCUS NOT SEEN AT MICRO EXAM. [Hepatodiaphragmatic Nodule TGLS = 1-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 326

TRT#: 2

SEX: Female

DAY ON TEST: 435

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 900831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Colon
* Intestine Small, Duodenum	* Islets, Pancreatic	* Lung	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

Vagina

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
* Pancreas	Acinus	Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 327

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900832

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
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		[Basophilic Focus TGLS = 2-6+6.1]	
		[Hepatodiaphragmatic Nodule TGLS = 1-6.1]	
* Lung		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 328

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900833

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 1-6+6.1]			
* Lung	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	

[Adenoma TGLS = 2-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 329

TRT#: 2

SEX: Female

DAY ON TEST: 405

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 900834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Intestine Large, Colon	* Intestine Small, Duodenum
* Islets, Pancreatic	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Vagina

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Brain		Oligodendroglioma Nos	
[Oligodendroglioma Nos TGLS = 1-1]			
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
* Lung		Edema	Minimal
* Nose		Bacterium	Mild
* Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 330

TRT#: 2

SEX: Female

DAY ON TEST: 681

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900835

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
* Mammary Gland	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Fatty Change	Mild
[Fatty Change TGLS = 4-6+6.1]			
* Lung		Foreign Body	Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-9.1]			
* Nose		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Minimal
Note: TGL 1 NODULE IS IN MESENTERIC FAT ON MICRO EXAM			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Skin		Cyst Epithelial Inclusion	
[Cyst Epithelial Inclusion TGLS = 1-16.1]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 331

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900836

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	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
Vagina			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 5-6+6.1]			
[Hepatodiaphragmatic Nodule TGLS = 4-6.1]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-16]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8.1]			
* Stomach, Forestomach		Hyperplasia	Basal Cell, Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 332

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900837

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 | * Lymph Node, Mandibular | * Lymph Node, Mesenteric | * Mammary Gland |
| * Nose | * Ovary | * Pancreas | * Parathyroid Gland |
| * Peripheral Nerve | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-------------------|--|--|-------------------------|
| * Bone | | Developmental Malformation
Hyperostosis | |
| | [Developmental Malformation TGLS = 1-16] | | |
| | [Hyperostosis TGLS = 3-17] | | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Inflammation | Chronic, Minimal |
| * Lung | | Foreign Body | Minimal |
| | | Inflammation | Chronic Active, Minimal |
| * Ovary | | | |
| | Note: TGL 2 CYST NOT SEEN ON MICRO EXAM | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| | [Hyperplasia TGLS = 4-8] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 333

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900838

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	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 2-6]			
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 334

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900839

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	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 3-6+6.01]			
[Hepatodiaphragmatic Nodule TGLS = 2-6.01]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
Mesentery	Fat	Pigmentation	Mild
[Pigmentation TGLS = 1-16]			
* Nose		Inflammation	Acute, Mild
* Ovary		Granulosa Cell Tumor Benign	
* Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 335

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900840

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	* Mammary Gland
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	[Basophilic Focus TGLS = 2-6]		
	[Hepatodiaphragmatic Nodule TGLS = 1-6.01]		
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Acute, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 336

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900841

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	* Mammary Gland
* Nose	* Peripheral Nerve	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Hyperplasia TGLS = 5-6.1]		Hyperplasia	Mild
* Lung		Inflammation	Chronic Active, Minimal
* Ovary		Cyst	
[Cyst TGLS = 2-7]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Moderate
* Salivary Glands		Degeneration	Minimal
[Degeneration TGLS = 4-16]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 3-7.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 337

TRT#: 2

SEX: Female

DAY ON TEST: 374

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900842

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	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

Vagina

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-16]			
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
[Hematopoietic Cell Proliferation TGLS = 1-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 338

TRT#: 2

SEX: Female

DAY ON TEST: 365

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 900843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Islets, Pancreatic	* Kidney	* Lung
* Lymph Node, Mandibular	* Mammary Gland	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Lymph Node, Mesenteric	Vagina
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AUTO PRECLUDES DIAG.

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

* Clitoral Gland [Dilatation TGLS = 1-10]		Dilatation	Mild
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
* Nose		Foreign Body	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 339

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Dosing Accident

DAY ON TEST: 694

HISTO: 900844

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	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Cyst	
		Fatty Change	Moderate
[Basophilic Focus TGLS = 5-6]			
[Cyst TGLS = 3-6]			
* Lung		Carcinoma	Metastatic (Salivary Glands)
		Foreign Body	Minimal
* Lymph Node, Mandibular		Carcinoma	Metastatic (Salivary Glands)
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Salivary Glands		Carcinoma	
[Carcinoma TGLS = 1-9.1,2-9.2]			
* Stomach, Forestomach		Ulcer	Moderate
[Ulcer TGLS = 6-5+5.1]			
* Trachea		Carcinoma	Metastatic (Salivary Glands)
[Carcinoma TGLS = 4-2]			
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 340

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900845

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	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland [Abscess TGLS = 3-10]		Abscess	Moderate
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 2-6+6.1]		Basophilic Focus Clear Cell Focus	
* Lung		Foreign Body Inflammation	Minimal Chronic Active, Minimal
* Pituitary Gland [Cyst TGLS = 1-8]	Pars Distalis Pars Distalis	Cyst Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 341

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900846

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
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Trachea	* Urinary Bladder		

MISSING

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Necrosis	Mild
[Necrosis TGLS = 3-6+6.1]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-16]			
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 2-8.1]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Dilatation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 342

TRT#: 2

SEX: Female

DAY ON TEST: 435

DOSE: 0 MG/KG

DISP: Dosing Accident

HISTO: 900847

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
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

Vagina

OBSERVATIONS

* Clitoral Gland			
Note: MAST CELLS			
* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung	Pleura	Bacterium	Mild
		Edema	Minimal
		Hemorrhage	Mild
	Pleura	Inflammation	Acute, Moderate
		[Bacterium TGLS = 3-3]	
		[Inflammation TGLS = 3-3]	
* Ovary		Cyst	
		[Cyst TGLS = 1-7]	
* Pituitary Gland	Pars Distalis	Cyst	
* Stomach, Forestomach		Hyperplasia	Basal Cell, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 343

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900848

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus	Vagina		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
Lymph Node	Mediastinal	Angiectasis	Minimal
	Mediastinal	Pigmentation	Mild
* Pancreas	Acinus	Atrophy	Minimal
	Acinus	Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	

[Adenoma TGLS = 1-8.1+8.1.1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 344

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900849

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	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 1-6+6.01]			
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
Tooth		Foreign Body	Marked
		Inflammation	Chronic Active, Marked

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 345

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 645

HISTO: 900850

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	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Spinal Cord	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Histiocytic Sarcoma	
* Bone Marrow		Histiocytic Sarcoma	
* Kidney	Renal Tubule	Degeneration	Hyaline, Mild
	[Histiocytic Sarcoma TGLS = 9-4+4.01]	Histiocytic Sarcoma	
* Liver		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLS = 4,10-6+6.01]		
* Lung		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLS = 5-2+3+3.1]		
Lymph Node	Mediastinal	Angiectasis	Mild
	Mediastinal	Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLS = 12-3]		
* Lymph Node, Mandibular		Histiocytic Sarcoma	
* Lymph Node, Mesenteric		Angiectasis	Moderate
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-16]		
* Ovary		Cyst	
	[Cyst TGLS = 2-7]	Histiocytic Sarcoma	
* Pancreas		Histiocytic Sarcoma	
* Pituitary Gland	Pars Distalis	Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:18
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 345	TRT#: 2	SEX: Female	DAY ON TEST: 645
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 900850

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 6-8]	Pars Distalis	Hyperplasia	Mild
* Skin	Subcut Tiss	Histiocytic Sarcoma	
* Spleen		Hematopoietic Cell Proliferation	Mild
		Histiocytic Sarcoma	
[Histiocytic Sarcoma TGLS = 3,7-3.01]			
* Stomach, Forestomach		Hyperplasia	Basal Cell, Moderate
		Ulcer	Minimal
[Ulcer TGLS = 11-5]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 8-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 346

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900851

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	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex [Angiectasis TGLS = 3-8]		Angiectasis	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver [Basophilic Focus TGLS = 5-6.01] [Fatty Change TGLS = 6-6.02]		Basophilic Focus Clear Cell Focus Fatty Change	Mild
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland [Adenocarcinoma TGLS = 1-16]		Adenocarcinoma	
* Pituitary Gland [Adenoma TGLS = 4-8]	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus [Dilatation TGLS = 2-7]		Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 347

TRT#: 2

SEX: Female

DAY ON TEST: 455

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900852

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	* Peripheral Nerve	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	Vagina	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Mild
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 348

TRT#: 2

SEX: Female

DAY ON TEST: 620

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 900853

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Colon
* Intestine Small, Duodenum	* Islets, Pancreatic	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Basophilic Focus TGLS = 4-6,7-6.1]		
	[Hepatodiaphragmatic Nodule TGLS = 5-6.1]		
* Lung		Foreign Body	Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-10.1]		
* Ovary		Cyst	
	[Cyst TGLS = 2-7]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-8]		
* Spleen		Depletion Lymphoid	Minimal
	[Depletion Lymphoid TGLS = 3-3]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 349

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 626

HISTO: 900854

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Intestine Large, Colon
* Intestine Large, Rectum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
* Islets, Pancreatic	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Spinal Cord
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-5.1]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
[Leukemia Mononuclear TGLS = 4-4]			
* Liver		Fatty Change	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-6]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-2+3]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
	Fat	Necrosis	Moderate
[Leukemia Mononuclear TGLS = 3-5.1+16]			
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:18
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 349	TRT#: 2	SEX: Female	DAY ON TEST: 626
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 900854

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Acanthosis	Minimal
		Hyperkeratosis	Mild
	[Acanthosis TGLS = 7-17]		
* Spleen		Leukemia Mononuclear	
		Necrosis	Marked
	[Leukemia Mononuclear TGLS = 1-3]		
	[Necrosis TGLS = 2-3]		
* Stomach, Forestomach		Leukemia Mononuclear	
		Ulcer	Mild
	[Leukemia Mononuclear TGLS = 9-5+5.2]		
* Stomach, Glandular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-5+5.2]		
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 350

TRT#: 2

SEX: Female

DAY ON TEST: 633

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900855

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	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
Note: TGL #4: NO CYST EITHER IN ORIGINAL OR RE-CUT			
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Basophilic Focus TGLS = 2-6+6.1,6-6+6.1]		
	[Clear Cell Focus TGLS = 3-6+6.1]		
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-16+16.1]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 5-2]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 351

TRT#: 2

SEX: Female

DAY ON TEST: 736

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 900856

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	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Uterus

MISSING

* Clitoral Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	[Basophilic Focus TGLS = 3-6+6.1]		
	[Leukemia Mononuclear TGLS = 4-6+6.1]		
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-10+10.1]		
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 352

TRT#: 2

SEX: Female

DAY ON TEST: 454

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900857

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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	Vagina	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild

[Hyperplasia TGLS = 1-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 353

TRT#: 2

SEX: Female

DAY ON TEST: 626

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900858

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 354

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 736

HISTO: 900859

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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
* Mammary Gland	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6+6.1,4-6+6.1]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 3-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3.1]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 355

TRT#: 2

SEX: Female

DAY ON TEST: 528

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 900860

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
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Thymus

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Basophilic Focus TGLS = 4-6+6.1+6.2]		
	[Hepatodiaphragmatic Nodule TGLS = 5-6.2]		
* Lymph Node, Mesenteric		Ectasia	Mild
	[Ectasia TGLS = 3-8]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-10.1+10.2]		
* Nose		Inflammation	Acute, Minimal
* Ovary			
	Note: TGL 2 CYST NOT SEEN ON MICRO EXAM.		
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 356

TRT#: 4

DOSE: 12.5 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 900861

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	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Leukemia Mononuclear	
	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 3-6]		
* Lung		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
	[Inflammation TGLS = 4-2,3]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-16]		
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3]		
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 357

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900862

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	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		[Basophilic Focus TGLS = 6-6+6.1]	
		[Hepatodiaphragmatic Nodule TGLS = 5-6.1]	
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	Multiple
		[Fibroadenoma TGLS = 1-10+17]	
Mesentery	Fat	Necrosis	Moderate
		[Necrosis TGLS = 2-16]	
* Ovary		Cyst	
		[Cyst TGLS = 3-7]	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 4-8]	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 358

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900863

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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	[Basophilic Focus TGLS = 2-6+6.1,3-6+6.1]		
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
	[Adenoma TGLS = 1-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 359

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900864

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
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Clitoral Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	Multiple
[Fibroadenoma TGLS = 1-16,2-10.1]			
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-3]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 360

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900865

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 4-6+6.01]			
* Lung		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Mild
[Necrosis TGLS = 1-16]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Skin		Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 2-17]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 361

TRT#: 4

SEX: Female

DAY ON TEST: 726

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900866

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
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 3-6]			
* Lung		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 1-2]			
* Nose		Inflammation	Acute, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 362

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900867

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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Malignant	
[Pheochromocytoma Malignant TGLS = 1-8.01]			
* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 2-6]			
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Stomach, Forestomach		Hyperplasia	Basal Cell, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 363

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900868

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	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
[Clear Cell Focus TGLS = 2-6]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-16]			
* Nose		Inflammation	Acute, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 364

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: 12.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900869

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	Vagina

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 365

TRT#: 4

SEX: Female

DAY ON TEST: 534

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900870

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Clitoral Gland
* Esophagus	* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum
* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Islets, Pancreatic		Hyperplasia	Minimal
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-6]		
* Lung		Leukemia Mononuclear	
Lymph Node	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-9.1,3-8,4-16,5-17,7-3]		
	[Leukemia Mononuclear TGLS = 2-9.1,3-8,4-16,5-17,7-3]		
	[Leukemia Mononuclear TGLS = 2-9.1,3-8,4-16,5-17,7-3]		
	[Leukemia Mononuclear TGLS = 2-9.1,3-8,4-16,5-17,7-3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-9.1,3-8,4-16,5-17,7-3]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-9.1,3-8,4-16,5-17,7-3]		
* Ovary		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:18
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 365	TRT#: 4	SEX: Female	DAY ON TEST: 534
	DOSE: 12.5 MG/KG	DISP: Moribund Sacrifice	HISTO: 900870

ORGAN AND ACCOUNTABLE SITE STATUS

* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3.1]			
* Stomach, Glandular		Erosion	Mild
		Ulcer	Mild
[Ulcer TGLS = 8-5+5.1]			
* Thymus		Leukemia Mononuclear	
* Uterus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 366

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900871

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	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Basophilic Focus TGLS = 2-6]		
* Lung		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 1-8]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 367

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900872

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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
	[Eosinophilic Focus TGLS = 3-6.1]		
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Adenoma	
	[Adenoma TGLS = 1-16]		
* Ovary		Cyst	
	[Cyst TGLS = 2-7]		
* Pituitary Gland	Pars Distalis	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 368

TRT#: 4

SEX: Female

DAY ON TEST: 701

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900873

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	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 6-6+6.1]		
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
	Note: TGL 5 FOCI NOT SEEN ON MICRO EXAM IN RECUT		
* Lym Node Mand			
	Note: TGL 1 ENLARGED MANDIBULAR LN NOT SEEN ON MICRO EXAM		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 2-16]		
* Pancreas		Metaplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-8]		
* Stomach, Forestomach		Ulcer	Mild
* Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Minimal
	[Adenoma TGLS = 3-2]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 369

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900874

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
Eye	Lens	Cataract	Mild
[Cataract TGLS = 1-16]			
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6+6.1]		Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
[Angiectasis TGLS = 3-8]			
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 370

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900875

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
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 1-6+6.1]		
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Acute, Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Stomach, Forestomach		Dilatation	Mild
	[Dilatation TGLS = 2-5.1]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 371

TRT#: 4

SEX: Female

DAY ON TEST: 584

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900876

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	Harderian Gland	* 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	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain		Meningioma Malignant	
[Meningioma Malignant TGLS = 3-1.1]			
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum		Mineralization	Minimal
[Mineralization TGLS = 5-5+5.1,6-5.1.1]			
* Kidney		Nephropathy	Minimal
[Nephropathy TGLS = 4-4+4.1]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Foreign Body	Minimal
		Hemorrhage	Minimal
		Inflammation	Chronic Active, Minimal
[Hemorrhage TGLS = 7-3.1]			
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-16]			
* Ovary		Cyst	
[Cyst TGLS = 2-7]			
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 372

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900877

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 1-6]			
* Lung	Alveolar Epith	Alveolar/Bronchiolar Adenoma	
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 373

TRT#: 4

SEX: Female

DAY ON TEST: 659

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900878

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	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Clitoral Gland	* Thymus
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6+6.1]			
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
[Adenoma TGLS = 3-8]			
* Skin	Subcut Tiss	Fibrosarcoma	
[Fibrosarcoma TGLS = 1-10+10.1]			
* Uterus		Polyp Stromal	Multiple
[Polyp Stromal TGLS = 2-7.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 374

TRT#: 4

SEX: Female

DAY ON TEST: 558

DOSE: 12.5 MG/KG

DISP: Natural Death

HISTO: 900879

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------|------------------|---------------------|-----------------------------|
| * Bone | * Clitoral Gland | * Esophagus | * Intestine Small, Duodenum |
| * Islets, Pancreatic | * Mammary Gland | * Parathyroid Gland | * Peripheral Nerve |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Uterus |

AUTO PRECLUDES DIAG.

- | | | | |
|----------------------------|--------------------------|---------------------------|--------------------------|
| * Intestine Large, Cecum | * Intestine Large, Colon | * Intestine Large, Rectum | * Intestine Small, Ileum |
| * Intestine Small, Jejunum | | | |

OBSERVATIONS

- | | | | |
|--------------------------|---|----------------------|-------------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| * Liver | | Leukemia Mononuclear | |
| * Lung | | Inflammation | Chronic Active, Minimal |
| | | Leukemia Mononuclear | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 4-9.1] | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 4-9.1] | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 4-9.1] | | |
| * Nose | | Leukemia Mononuclear | |
| * Ovary | | Leukemia Mononuclear | |
| * Pancreas | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 5-8+9.1] | | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Marked |
| | [Hyperplasia TGLS = 2-8] | Leukemia Mononuclear | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:18
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 374

TRT#: 4

SEX: Female

DAY ON TEST: 558

DOSE: 12.5 MG/KG

DISP: Natural Death

HISTO: 900879

ORGAN AND ACCOUNTABLE SITE STATUS

* Salivary Glands		Leukemia Mononuclear	
* Skeletal Muscle		Leukemia Mononuclear	
* Skin	Subcut Tiss	Leukemia Mononuclear	
* Spinal Cord		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3.1]			
* Stomach, Forestomach		Ulcer	Mild
[Ulcer TGLS = 3-5.1]			
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 375

TRT#: 4

SEX: Female

DAY ON TEST: 565

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900880

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	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skin	* Spinal Cord
* Stomach, Forestomach	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Heart		Leukemia Mononuclear	
* Intestine Large, Cecum		Dilatation	Mild
[Dilatation TGLS = 2-5]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-6.1]		Leukemia Mononuclear	
* Lung		Edema	Mild
		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-2+3]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland		Leukemia Mononuclear	
* Skeletal Muscle		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 375

TRT#: 4

SEX: Female

DAY ON TEST: 565

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900880

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

[Leukemia Mononuclear TGLS = 5-5]

Leukemia Mononuclear

* Thymus

Leukemia Mononuclear

* Urinary Bladder

Leukemia Mononuclear

* Uterus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 376

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Ovary		Cyst	
[Cyst TGLS = 1-7]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 377

TRT#: 4

SEX: Female

DAY ON TEST: 728

DOSE: 12.5 MG/KG

DISP: Natural Death

HISTO: 900882

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
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Clitoral Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Basophilic Focus TGLS = 4-6]		
* Lung		Inflammation	Chronic Active, Mild
	[Inflammation TGLS = 3-2,2,1,3]		
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1-16,2-17+18]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 378

TRT#: 4

SEX: Female

DAY ON TEST: 458

DOSE: 12.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900883

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus
Vagina			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
* Skin		Abscess	Moderate

[Abscess TGLS = 1-16]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 379

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900884

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Basophilic Focus TGLS = 1-6+6.1]		
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 380

TRT#: 4

SEX: Female

DAY ON TEST: 590

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900885

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Spinal Cord		Inflammation	Acute, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 381

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900886

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	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
[Nephropathy TGLS = 6-4+4.01]		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hyperplasia	Mild
[Hyperplasia TGLS = 7-6.01]		Mixed Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Adenoma	Multiple
		Galactocele	
[Adenoma TGLS = 2,3-10+16]			
[Galactocele TGLS = 2,3-10+16+17]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8.01]			
* Thyroid Gland		Cyst	
* Uterus		Dilatation	Moderate
[Dilatation TGLS = 4-7]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 381

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900886

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 382

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900887

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Clear Cell Focus	
		Hyperplasia	Mild
[Hyperplasia TGLS = 1-6.01]			
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
* Thymus		Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 383

TRT#: 4

SEX: Female

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900888

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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

Harderian Gland			
Note: TGL 1 HARDERIAN GLAND NOT FOUND ON TRIMMING			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6.01]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
[Cyst TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 384

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: 12.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900889

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	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	Vagina	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
Lymph Node	Mediastinal	Angiectasis	Minimal
	Mediastinal	Pigmentation	Mild
Mesentery	Fat	Hemorrhage	Moderate
[Hemorrhage TGLS = 1-16]			
* Nose		Fungus	Minimal
		Inflammation	Acute, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 385

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900890

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	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Adenoma	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Ovary		Cyst	
[Cyst TGLS = 2-7]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8.01]			
* Skin		Keratoacanthoma	
[Keratoacanthoma TGLS = 1-16]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 386

TRT#: 4

SEX: Female

DAY ON TEST: 455

DOSE: 12.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900891

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
Vagina			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Uterus		Dilatation	Mild
[Dilatation TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 387

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900892

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	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Hyperplasia	Moderate
[Basophilic Focus TGLS = 4-6]			
[Hepatodiaphragmatic Nodule TGLS = 1-6]			
[Hyperplasia TGLS = 5-6.01]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-16]			
* Ovary		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 388

TRT#: 4

SEX: Female

DAY ON TEST: 457

DOSE: 12.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900893

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	* Liver	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	Vagina

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
* Stomach, Forestomach		Hyperplasia	Basal Cell, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 389

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900894

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	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 3-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Galactocele	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8.01]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 390

TRT#: 4

SEX: Female

DAY ON TEST: 619

DOSE: 12.5 MG/KG

DISP: Natural Death

HISTO: 900895

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
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lung		Foreign Body	Mild
		Hemorrhage	Moderate
		Inflammation	Chronic Active, Minimal
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 391

TRT#: 4

SEX: Female

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900896

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	* Nose
* Ovary	* Peripheral Nerve	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Glandular	* Thymus	* Trachea

MISSING

* Clitoral Gland	* Parathyroid Gland
------------------	---------------------

OBSERVATIONS

* Heart	Cardiomyopathy	Mild
	Leukemia Mononuclear	
* Kidney	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Eosinophilic Focus	
	Leukemia Mononuclear	
	Mixed Cell Focus	
	[Basophilic Focus TGLS = 5-6.01]	
	[Eosinophilic Focus TGLS = 5-6.01]	
	[Leukemia Mononuclear TGLS = 3-6+6.01]	
	[Mixed Cell Focus TGLS = 5-6.01]	
* Lung	Inflammation	Chronic Active, Minimal
	Leukemia Mononuclear	
* Mammary Gland	Galactocele	
* Pancreas	Acinus	Minimal
* Pituitary Gland	Pars Distalis	
	[Adenoma TGLS = 4-8.1]	
* Salivary Glands	Focal Cellular Change	Minimal
* Spleen	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1,2-3+3.01]	
* Stomach, Forestomach	Hyperplasia	Basal Cell, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:18
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 391

TRT#: 4

SEX: Female

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900896

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 6-5]

* Thyroid Gland

C Cell

Hyperplasia

Mild

Tissue NOS

Mediastinum

Granuloma

Moderate

* Urinary Bladder

Leukemia Mononuclear

* Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 392

TRT#: 4

SEX: Female

DAY ON TEST: 726

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900897

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
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6.02]			
[Hepatodiaphragmatic Nodule TGLS = 1-6.01]			
* Lung		Inflammation	Chronic Active, Mild
* Ovary		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 393

TRT#: 4

SEX: Female

DAY ON TEST: 454

DOSE: 12.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900898

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus	Vagina		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate

[Hyperplasia TGLS = 1-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 394

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900899

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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Congestion	Mild
[Congestion TGLS = 2-6.01]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-16]			
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Intermed	Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 395

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900900

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	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Thyroid Gland	* Trachea	

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow	Myelofibrosis	Minimal
* Heart	Leukemia Mononuclear	
* Kidney	Leukemia Mononuclear	
	Nephropathy	Minimal
* Liver	Basophilic Focus	
	Leukemia Mononuclear	
* Lung	Inflammation	Chronic Active, Minimal
* Lymph Node, Mesenteric	Leukemia Mononuclear	
* Pancreas	Leukemia Mononuclear	
* Spleen	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3]		
* Stomach, Glandular	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-5]		
* Urinary Bladder	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-9]		
* Uterus	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 396

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900901

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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Congestion	Mild
		Developmental Malformation	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-6.01]			
[Congestion TGLS = 3-6.01]			
[Developmental Malformation TGLS = 4-6.02]			
* Lung		Inflammation	Chronic Active, Mild
* 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: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 397

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900902

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, Mesenteric	* Parathyroid Gland	* Peripheral Nerve	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Clitoral Gland		Hyperplasia	Moderate
		Inflammation	Acute, Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hyperplasia	Mild
[Basophilic Focus TGLS = 4-6.01]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-16+16.01]			
* Nose		Foreign Body	Mild
		Inflammation	Acute, Mild
* Ovary		Cyst	
[Cyst TGLS = 3-7]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
[Adenoma TGLS = 2-8]			
* Salivary Glands		Focal Cellular Change	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 397

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900902

ORGAN AND ACCOUNTABLE SITE STATUS

* Skin

Note: TGL 1 SKIN MASS IS IN MAMMARY GLAND ON MICRO EXAM

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 398

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900903

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	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Focal Cellular Change	Minimal
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Moderate
[Cataract TGLS = 1-16]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6.01]			
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
[Angiectasis TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 399

TRT#: 4

SEX: Female

DAY ON TEST: 681

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* 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	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow		Leukemia Mononuclear	
* Brain	Cerebrum, Neuron	Necrosis	Mild
	Hippocampus, Neuron	Necrosis	Marked
* Heart		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
		[Basophilic Focus TGLS = 4-6.01]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Ectasia	Mild
		[Ectasia TGLS = 5-3]	
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-10]	
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	
		[Cyst TGLS = 3-8]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 2-3]	
* Stomach, Forestomach		Hyperplasia	Basal Cell, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 399

TRT#: 4

SEX: Female

DAY ON TEST: 681

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900904

ORGAN AND ACCOUNTABLE SITE STATUS

Inflammation

Acute, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 400

TRT#: 4

SEX: Female

DAY ON TEST: 457

DOSE: 12.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900905

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus	Vagina		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
	[Hepatodiaphragmatic Nodule TGLS = 1-6]	Hepatodiaphragmatic Nodule	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
	Artery	Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 2-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 401

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900906

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Clitoral Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral GI			
Note: TGL 1 MASS IS IN MAMMARY GLAND ON MICRO EXAM			
* Int Sm Ileum			
Note: TGL 5 ENLARGED ILEUM NOT SEEN ON MICRO EXAM			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 4-6]			
[Hepatodiaphragmatic Nodule TGLS = 2-6]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
		Adenocarcinoma	
* Mammary Gland			
[Adenocarcinoma TGLS = 1-10]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 402

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900907

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Liver		Cyst	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 1-6]		
* Lung		Foreign Body	Mild
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
* Stomach, Forestomach		Hyperplasia	Squamous, Focal, Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 403

TRT#: 4

SEX: Female

DAY ON TEST: 736

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900908

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	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Mammary Gland

OBSERVATIONS

* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 404

TRT#: 4

SEX: Female

DAY ON TEST: 276

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900909

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	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

Vagina

OBSERVATIONS

* Skeletal Muscle		Atrophy	Minimal
* Skin	Subcut Tiss	Sarcoma	
[Sarcoma TGLS = 1-16]			
* Spinal Cord		Necrosis	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 405

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900910

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	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Leukemia Mononuclear TGLS = 3-6+6.01]		Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Galactocele	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
[Cyst TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3+3.01]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 406

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900911

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Ovary		Cyst	
[Cyst TGLS = 1-7]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 407

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900912

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, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Cyst	
* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6]			
* Lung		Inflammation	Chronic Active, Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Pancreas	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
[Adenoma TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 408

TRT#: 4

SEX: Female

DAY ON TEST: 726

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900913

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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland
* Peripheral Nerve	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla [Hyperplasia TGLS = 4-8]	Hyperplasia	Moderate
* Clitoral Gland	Inflammation	Chronic, Minimal
Eye [Phthisis Bulbi TGLS = 1-16]	Phthisis Bulbi	Marked
* Heart	Cardiomyopathy	Mild
* Kidney	Nephropathy	Minimal
* Liver [Basophilic Focus TGLS = 6-6] [Hyperplasia TGLS = 6-6]	Basophilic Focus Clear Cell Focus Hyperplasia	Mild
* Lung [Inflammation TGLS = 5-2]	Foreign Body Hemorrhage Inflammation	Minimal Minimal Chronic Active, Mild
* Mammary Gland [Fibroadenoma TGLS = 2-17+17.01]	Fibroadenoma	
* Ovary [Cyst TGLS = 3-7]	Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 408

TRT#: 4

SEX: Female

DAY ON TEST: 726

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900913

ORGAN AND ACCOUNTABLE SITE STATUS

* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
* Salivary Glands		Focal Cellular Change	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 409

TRT#: 4

SEX: Female

DAY ON TEST: 725

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900914

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
* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Clitoral Gland		Cyst	
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Hyperplasia	Moderate
[Basophilic Focus TGLS = 3-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland			
Note: TGL 1 GRANULARITY NOT SEEN ON MICRO EXAM			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 410

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900915

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
* Mammary Gland	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Ovary

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Angiectasis TGLS = 3-6.02]		
	[Hepatodiaphragmatic Nodule TGLS = 2-6.01]		
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Uterus		Dilatation	Moderate

[Dilatation TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 411

TRT#: 4

SEX: Female

DAY ON TEST: 455

DOSE: 12.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900916

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	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	Vagina

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 1-6]			
* Pancreas	Acinus	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 412

TRT#: 4

SEX: Female

DAY ON TEST: 454

DOSE: 12.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900917

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
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	Vagina

OBSERVATIONS

* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3-6]			
* Ovary		Cyst	
[Cyst TGLS = 1-7]			
* Uterus		Dilatation	Minimal
[Dilatation TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 413

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900918

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	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 2-6.02]			
[Hepatodiaphragmatic Nodule TGLS = 1-6.01]			
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 414

TRT#: 4

SEX: Female

DAY ON TEST: 650

DOSE: 12.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 900919

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6.1]			
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Skeletal Muscle		Rhabdomyosarcoma	
[Rhabdomyosarcoma TGLS = 1-16+16.1+16.1.1]			
* Skin		Erosion	Moderate
[Erosion TGLS = 3-16]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 5 FOCI NOT SEEN IN ORIGINAL AND RECUTS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 415

TRT#: 4

SEX: Female

DAY ON TEST: 737

DOSE: 12.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 900920

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 | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord | * Spleen |
| * Stomach, Forestomach | * Stomach, Glandular | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|---------------------------------|---------------|------------------|-------------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | | |
| | | | |
| [Basophilic Focus TGLS = 1-6] | | | |
| * Lung | | Inflammation | Chronic Active, Minimal |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 416

TRT#: 6

SEX: Female

DAY ON TEST: 628

DOSE: 25 MG/KG

DISP: Natural Death

HISTO: 900921

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
* Mammary Gland	* Ovary	* Pancreas	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6.1]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Nose		Bacterium	Minimal
		Foreign Body	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8.1]			
* Stomach, Glandular		Erosion	Minimal
[Erosion TGLS = 3-5.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 417

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900922

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	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	
		Galactocele	
[Fibroadenoma TGLS = 1-16]			
[Galactocele TGLS = 1-16]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 418

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900923

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
* Mammary Gland	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 2-6]		
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
* Nose		Foreign Body	Minimal
		Fungus	
		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
	[Adenoma TGLS = 1-8]		
* Stomach, Forestomach		Hyperplasia	Basal Cell, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 419

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900924

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
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

Eye		Phthisis Bulbi	Marked
[Phthisis Bulbi TGLS = 1-16+16.1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung		Inflammation	Chronic Active, Mild
* Nose		Inflammation	Acute, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 420

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 25 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900925

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	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus
Vagina			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 421

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900926

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	* Mammary Gland	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
Eye	Retina	Atrophy	Moderate
		Synechia	Mild
	[Synechia TGLS = 1-16+16.1]		
* Heart		Cardiomyopathy	Moderate
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
	[Leukemia Mononuclear TGLS = 3-6]	Leukemia Mononuclear	
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Foreign Body	Mild
		Inflammation	Acute, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 422

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900927

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 | * Lymph Node, Mandibular |
| * Lymph Node, Mesenteric | * Mammary Gland | * Nose | * Ovary |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve | * Skeletal Muscle |
| * Skin | * Spinal Cord | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|--------------------------------------|---------------|-----------------------|----------------------|
| * Heart | | Cardiomyopathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Clear Cell Focus | |
| | | Eosinophilic Focus | |
| [Basophilic Focus TGLS = 1-6+6.01] | | | |
| * Lung | | Inflammation | Chronic Active, Mild |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Mild |
| * Salivary Glands | | Focal Cellular Change | Minimal |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 423

TRT#: 6

SEX: Female

DAY ON TEST: 426

DOSE: 25 MG/KG

DISP: Dosing Accident

HISTO: 900928

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

Vagina

OBSERVATIONS

* Esophagus		Hemorrhage	Minimal
[Hemorrhage TGLS = 1-2.1]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 3-6+6.1]			
* Lung		Hemorrhage	Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
[Adenoma TGLS = 2-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 424

TRT#: 6

SEX: Female

DAY ON TEST: 721

DOSE: 25 MG/KG

DISP: Natural Death

HISTO: 900929

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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatocellular Adenoma	
		Hepatodiaphragmatic Nodule	Multiple
* Lung		Foreign Body	Mild
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Stomach, Forestomach		Hyperplasia	Basal Cell, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 425

TRT#: 6

SEX: Female

DAY ON TEST: 455

DOSE: 25 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900930

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus
Vagina			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6]			
* Lung		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 1-2]			
Lymph Node	Mediastinal	Angiectasis	Mild
	Mediastinal	Pigmentation	Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 426

TRT#: 6

SEX: Female

DAY ON TEST: 644

DOSE: 25 MG/KG

DISP: Natural Death

HISTO: 900931

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	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 1-10.1+10.1.1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 427

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900932

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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hyperplasia	Moderate
	[Basophilic Focus TGLS = 1-6+6.01]		
	[Hyperplasia TGLS = 2-6]		
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 428

TRT#: 6

SEX: Female

DAY ON TEST: 509

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 900933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Leukemia Mononuclear	
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Hepatocellular Adenoma	
		Leukemia Mononuclear	
		[Hepatocellular Adenoma TGLS = 2-6]	
		[Leukemia Mononuclear TGLS = 3-6]	
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
		[Hyperplasia TGLS = 4-8]	
* Spleen		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-3.1]	
* Stomach, Forestomach		Hyperkeratosis	Minimal
		Hyperplasia	Basal Cell, Mild
		Inflammation	Acute, Mild
		[Hyperplasia TGLS = 5-5]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 428

TRT#: 6

SEX: Female

DAY ON TEST: 509

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 900933

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 429

TRT#: 6

SEX: Female

DAY ON TEST: 696

DOSE: 25 MG/KG

DISP: Natural Death

HISTO: 900934

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, Jejunum	* Islets, Pancreatic
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

AUTO PRECLUDES DIAG.

* Intestine Small, Ileum

OBSERVATIONS

* Clitoral Gland		Cyst	
* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatocellular Adenoma	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
		[Basophilic Focus TGLS = 3-6+6.01]	
		[Hepatocellular Adenoma TGLS = 3-6.01]	
		[Hepatodiaphragmatic Nodule TGLS = 1-6.01]	
		[Mixed Cell Focus TGLS = 3-6.01]	
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
	Pars Distalis	Hyperplasia	Mild
* Uterus		Inflammation	Acute, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 429

TRT#: 6

SEX: Female

DAY ON TEST: 696

DOSE: 25 MG/KG

DISP: Natural Death

HISTO: 900934

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 430

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900935

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
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hyperplasia	Mild
[Basophilic Focus TGLS = 2-6]			
[Clear Cell Focus TGLS = 2-6]			
[Hyperplasia TGLS = 3-6]			
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-16+16.01]			
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 431

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900936

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, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea

OBSERVATIONS

* Adrenal Cortex		Clear Cell Focus	
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	[Basophilic Focus TGLS = 3-6+6.01]		
* Lung		Inflammation	Chronic Active, Minimal
	[Inflammation TGLS = 2-2+3]		
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Mild
* Mammary Gland		Galactocele	
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-8]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
* Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 432

TRT#: 6

SEX: Female

DAY ON TEST: 715

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 900937

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	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-6]		
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Marked
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	
	[Angiectasis TGLS = 2-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 433

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 25 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900938

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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
Vagina			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Edema	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 434

TRT#: 6

DOSE: 25 MG/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 647

HISTO: 900939

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	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-6]			
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
[Hyperplasia TGLS = 3-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-3.1]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 434	TRT#: 6	SEX: Female	DAY ON TEST: 647
	DOSE: 25 MG/KG	DISP: Moribund Sacrifice	HISTO: 900939

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 435

TRT#: 6

SEX: Female

DAY ON TEST: 661

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 900940

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 | * Mammary Gland |
| * Nose | * Ovary | * Parathyroid Gland | * Peripheral Nerve |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|---------------------------------------|---------------|-----------------------|----------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Mild |
| * Liver | | Basophilic Focus | |
| | | Leukemia Mononuclear | |
| * Lung | | Infiltration Cellular | Histiocyte, Moderate |
| | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 2-2+3] | | | |
| Lymph Node | Mediastinal | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | Pars Distalis | Cyst | |
| * Spleen | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 1-3] | | | |
| * Stomach, Forestomach | | Hemorrhage | Minimal |
| * Thymus | | Leukemia Mononuclear | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 436

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900941

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, Mesenteric
* Mammary Gland	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
* Nose		Foreign Body	Minimal
		Inflammation	Acute, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

[Adenoma TGLS = 1-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 437

TRT#: 6

SEX: Female

DAY ON TEST: 656

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 900942

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	* Liver	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Acute, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
* Spleen		Pigmentation	Mild
[Pigmentation TGLS = 1-3]			
* Stomach, Forestomach		Edema	Mild
[Edema TGLS = 2-5.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 438

TRT#: 6

SEX: Female

DAY ON TEST: 562

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 900943

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	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Leukemia Mononuclear	
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6,4-6]			
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Galactocele TGLS = 2-16]		Galactocele	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-3]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 439

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900944

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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hyperplasia	Moderate
	[Basophilic Focus TGLS = 2-6]		
	[Hyperplasia TGLS = 1-6.01]		
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 440

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Pheochromocytoma Benign	
[Pheochromocytoma Benign TGLS = 3-8]			
* Heart		Cardiomyopathy	Mild
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-16+16.01]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
[Angiectasis TGLS = 5-8]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-3.01+3.02]			
* Stomach, Forestomach		Hyperplasia	Basal Cell, Moderate
[Hyperplasia TGLS = 6-5]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 441

TRT#: 6

SEX: Female

DAY ON TEST: 457

DOSE: 25 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900946

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	* Lung
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	Vagina		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6.1]			
Lymph Node	Pancreatic	Infiltration Cellular	Histiocyte, Mild
[Infiltration Cellular TGLS = 2-9.1]			
* Nose		Inflammation	Acute, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
* Uterus		Dilatation	Mild
[Dilatation TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 442

TRT#: 6

DOSE: 25 MG/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 694

HISTO: 900947

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 | * Mammary Gland |
| * Pancreas | * Parathyroid Gland | * Peripheral Nerve | * Stomach, Glandular |
| * Thyroid Gland | | | |

OBSERVATIONS

- | | | | |
|--|---------------|----------------------|-------------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Brain | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 16-1] | | | |
| * Heart | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| * Liver | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 12,13,18-6] | | | |
| * Lung | | Inflammation | Chronic Active, Minimal |
| | | Leukemia Mononuclear | |
| Lymph Node | Deep Cervical | Leukemia Mononuclear | |
| | Lumbar | Leukemia Mononuclear | |
| | Pancreatic | Leukemia Mononuclear | |
| | Popliteal | Leukemia Mononuclear | |
| | Renal | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3,5,7,8-8+9+9.01+16,9,10,14-17+18+19] | | | |
| [Leukemia Mononuclear TGLS = 3,5,7,8-8+9+9.01+16,9,10,14-17+18+19] | | | |
| [Leukemia Mononuclear TGLS = 3,5,7,8-8+9+9.01+16,9,10,14-17+18+19] | | | |
| [Leukemia Mononuclear TGLS = 3,5,7,8-8+9+9.01+16,9,10,14-17+18+19] | | | |
| [Leukemia Mononuclear TGLS = 3,5,7,8-8+9+9.01+16,9,10,14-17+18+19] | | | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3,5,7,8-8+9+9.01+16,9,10,14-17+18+19] | | | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| [Leukemia Mononuclear TGLS = 3,5,7,8-8+9+9.01+16,9,10,14-17+18+19] | | | |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 442

TRT#: 6

SEX: Female

DAY ON TEST: 694

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 900947

ORGAN AND ACCOUNTABLE SITE STATUS

* Mammary Gland			
Note: TGL 2 LESION IS IN SUBCUT,SKIN ON MICRO EXAM			
* Nose		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
[Angiectasis TGLS = 17-8]			
* Salivary Glands		Leukemia Mononuclear	
* Skeletal Muscle		Leukemia Mononuclear	
* Skin	Subcut Tiss	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-10]			
* Spinal Cord		Hemorrhage	Moderate
		Leukemia Mononuclear	
		Leukemia Mononuclear	
* Spleen			
[Leukemia Mononuclear TGLS = 6-3.01]			
* Stomach, Forestomach		Hyperplasia	Basal Cell, Moderate
		Inflammation	Chronic Active, Marked
		Perforation	
		Ulcer	Marked
[Perforation TGLS = 11-5]			
[Ulcer TGLS = 11-5]			
* Thymus		Leukemia Mononuclear	
* Trachea		Inflammation	Chronic, Minimal
* Urinary Bladder		Leukemia Mononuclear	
* Uterus		Hemorrhage	Marked
		Leukemia Mononuclear	
[Hemorrhage TGLS = 1-7]			
[Leukemia Mononuclear TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL 15 ENLARGED MEDIASTINAL LN IS THYMUS ON MICRO EXAM

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 443

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900948

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	* Nose
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Clitoral Gland [Cyst TGLS = 6-10]		Cyst	
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver [Hepatodiaphragmatic Nodule TGLS = 4-6.01]		Basophilic Focus Hepatodiaphragmatic Nodule Leukemia Mononuclear	
* Lung		Foreign Body Inflammation	Minimal Chronic Active, Minimal
* Mammary Gland [Fibroadenoma TGLS = 1-16]		Fibroadenoma Galactocele	
* Ovary [Cyst TGLS = 3-7]		Cyst	
* Pituitary Gland [Adenoma TGLS = 5-8]	Pars Distalis	Adenoma	
* Skeletal Muscle [Sarcoma TGLS = 2-17]		Sarcoma	
* Skin Note: TGL 1 SKIN MASS IS IN MAMMARY GLAND ON MICRO EXAM			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 443

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900948

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 444

TRT#: 6

SEX: Female

DAY ON TEST: 639

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 900949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|----------------------------|---------------------------|-----------------------------|--------------------------|
| * Bone | * Brain | * Clitoral Gland | * 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 | * Pancreas | * Parathyroid Gland | * Peripheral Nerve |
| * Salivary Glands | * Skeletal Muscle | * Skin | * Spinal Cord |
| * Stomach, Forestomach | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | | |

OBSERVATIONS

- | | | | |
|----------------------|---|----------------------|----------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Esophagus | | Ulcer | Mild |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| * Liver | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 3-6+6.1] | | |
| * Lung | | Leukemia Mononuclear | |
| * Nose | | Inflammation | Acute, Minimal |
| * Ovary | | Leukemia Mononuclear | |
| * Pituitary Gland | Pars Distalis | Cyst | |
| | Pars Distalis | Hyperplasia | Mild |
| * Spleen | | Leukemia Mononuclear | |
| | [Leukemia Mononuclear TGLS = 1-3.1] | | |
| * Stomach, Glandular | | Ulcer | Mild |
| | [Ulcer TGLS = 2-5.1] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 445

TRT#: 6

SEX: Female

DAY ON TEST: 455

DOSE: 25 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900950

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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	Vagina		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Uterus		Dilatation	Mild

[Dilatation TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 446

TRT#: 6

SEX: Female

DAY ON TEST: 623

DOSE: 25 MG/KG

DISP: Natural Death

HISTO: 900951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Intestine Large, Colon
* Intestine Small, Duodenum	* Islets, Pancreatic	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Rectum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-10]			
[Leukemia Mononuclear TGLS = 1-10]			
[Leukemia Mononuclear TGLS = 1-10]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-10]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 446

TRT#: 6

SEX: Female

DAY ON TEST: 623

DOSE: 25 MG/KG

DISP: Natural Death

HISTO: 900951

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-3.1,5-3.1]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 447

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900952

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	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Lymph Node, Mandibular	* Salivary Glands
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OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Hematopoietic Cell Proliferation	Moderate
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		[Basophilic Focus TGLS = 3-6]	
		[Hepatodiaphragmatic Nodule TGLS = 2-6]	
* Lung		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
		[Cyst TGLS = 1-8]	
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 447

TRT#: 6

DOSE: 25 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 900952

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 448

TRT#: 6

SEX: Female

DAY ON TEST: 650

DOSE: 25 MG/KG

DISP: Natural Death

HISTO: 900953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Esophagus	* Intestine Large, Colon	* Intestine Large, Rectum
* Islets, Pancreatic	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Small, Duodenum	* Intestine Small, Ileum	* Intestine Small, Jejunum
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OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 3-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Lung		Edema	Mild
		Infiltration Cellular	Histiocyte, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
[Adenoma TGLS = 1-8]			
* Stomach, Forestomach		Hyperkeratosis	Mild
[Hyperkeratosis TGLS = 2-5.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 449

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900954

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
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
Mesentery	Fat	Necrosis	Moderate
[Necrosis TGLS = 1-16]			
* Ovary		Cyst	
[Cyst TGLS = 2-7]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	
[Angiectasis TGLS = 3-8]			
* Salivary Glands		Focal Cellular Change	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 450

TRT#: 6

DOSE: 25 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 726

HISTO: 900955

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
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Basophilic Focus TGLS = 4-6]		
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 2-16+16.01+16.02+16.03,1-10+10.01]		
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
	[Adenoma TGLS = 3-8]		
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 451

TRT#: 6

SEX: Female

DAY ON TEST: 454

DOSE: 25 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900956

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	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	Vagina

OBSERVATIONS

* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-2]			
Mesentery	Fat	Necrosis	Marked
Note: BRIGHT YELLOW MATERIAL			
[Necrosis TGLS = 1-8.1]			
* Ovary		Cyst	
[Cyst TGLS = 2-7]			
* Pancreas			
Note: A FEW INFLAMMATORY CELLS AROUND			
Note: AN ARTERY (SLIDE #5)			

PRIMARY CAUSE OF DEATH

-

Animal Note: MAST CELLS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 452

TRT#: 6

SEX: Female

DAY ON TEST: 725

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900957

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	* Nose
* Ovary	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Cyst	
[Cyst TGLS = 1-10]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
	Serosa	Fibrosis	Mild
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 6-6]			
[Fibrosis TGLS = 8-6.01]			
[Hepatodiaphragmatic Nodule TGLS = 7-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Galactocele	
[Galactocele TGLS = 2-10]			
* Pancreas	Acinus	Atrophy	Mild
		Ectopic Tissue	
[Ectopic Tissue TGLS = 5-9]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8.01]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:18
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 452

TRT#: 6

SEX: Female

DAY ON TEST: 725

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900957

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Capsule

Fibrosis

Mild

Leukemia Mononuclear

[Fibrosis TGLS = 3-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 453

TRT#: 6

SEX: Female

DAY ON TEST: 106

DOSE: 25 MG/KG

DISP: Dosing Accident

HISTO: 900958

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	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

Vagina

OBSERVATIONS

* Lung	Edema	Minimal
	Foreign Body	Minimal
	Hemorrhage	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 454

TRT#: 6

SEX: Female

DAY ON TEST: 735

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900959

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 3-6]			
* Lung		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-2+3]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 455

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900960

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Clear Cell Focus	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Fatty Change	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-6+6.01]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-3]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8.01]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 456

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900961

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	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Clitoral Gland		Cyst	
* Heart		Cardiomyopathy	Mild
* Kidney	Renal Tubule	Degeneration	Hyaline, Mild
		Pigmentation	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		[Hepatodiaphragmatic Nodule TGLS = 5-6.01]	
		[Leukemia Mononuclear TGLS = 6-6]	
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
Lymph Node	Pancreatic	Ectasia	Mild
		[Ectasia TGLS = 3-9]	
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Marked
* Mammary Gland		Galactocele	
		[Galactocele TGLS = 2-10.01]	
* Pancreas		Inflammation	Chronic, Minimal
* Skin		Inflammation	Chronic, Moderate
		Ulcer	Moderate
		[Inflammation TGLS = 1-16]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 456

TRT#: 6

SEX: Female

DAY ON TEST: 736

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900961

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 1-16]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-3.01+3.02]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 457

TRT#: 6

SEX: Female

DAY ON TEST: 639

DOSE: 25 MG/KG

DISP: Dosing Accident

HISTO: 900962

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
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Esophagus			
Note: THE ORIGINAL AND RECUT SECTIONS			
Note: TGL #5: PERFORATION NOT OBVIOUS IN			
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 2-6+6.1]			
[Hepatodiaphragmatic Nodule TGLS = 1-6.1+6.1.1]			
* Lung		Foreign Body	Mild
		Hemorrhage	Mild
	Mediastinum	Inflammation	Acute, Mild
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-8]			
* Thymus		Hemorrhage	Mild
[Hemorrhage TGLS = 4-3]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 458

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900963

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	* Mammary Gland	* Nose
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Ovary		Cyst	
	[Cyst TGLS = 1-7]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
	[Angiectasis TGLS = 3-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-3+3.01]		
* Thymus		Leukemia Mononuclear	
* Uterus		Hyperplasia	Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 459

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Clear Cell Focus	
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Angiectasis	Minimal
		Basophilic Focus	
		Clear Cell Focus	
[Angiectasis TGLS = 4-6.01]			
[Basophilic Focus TGLS = 3-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-10+10.01]			
* Pituitary Gland	Pars Distalis	Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 460

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900965

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	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 2-6]			
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
		Fibroadenoma	
* Mammary Gland			
[Fibroadenoma TGLS = 1-16+16.01]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 461

TRT#: 6

DOSE: 25 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 900966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
		[Basophilic Focus TGLS = 3-6+6.01]	
		[Eosinophilic Focus TGLS = 3-6+6.01]	
		[Leukemia Mononuclear TGLS = 4-6+6.01]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Leukemia Mononuclear	
		[Adenoma TGLS = 2-8]	
* Skin		Cyst Epithelial Inclusion	
		[Cyst Epithelial Inclusion TGLS = 1-16]	
* Spleen		Leukemia Mononuclear	
* Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 462

TRT#: 6

SEX: Female

DAY ON TEST: 725

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900967

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3,4-6]			
* Lung		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-2+2.01+3]			
* Pancreas	Acinus	Atrophy	Mild
[Ectopic Tissue TGLS = 5-9]		Ectopic Tissue	
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]	Pars Distalis	Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Moderate
* Uterus		Dilatation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 463

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* 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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Basophilic Focus TGLS = 1-6.01]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 464

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900969

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	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 3-6+6.01]			
[Eosinophilic Focus TGLS = 3-6+6.01]			
[Leukemia Mononuclear TGLS = 5-6+6.01]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
Lymph Node	Pancreatic	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-9]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-9]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 464

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900969

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-3+3.01]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 465

TRT#: 6

SEX: Female

DAY ON TEST: 605

DOSE: 25 MG/KG

DISP: Moribund Sacrifice

HISTO: 900970

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	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney	Cortex	Mineralization Nephropathy	Minimal Minimal
* Liver		Basophilic Focus Hepatodiaphragmatic Nodule	
			[Basophilic Focus TGLS = 3-6+6.1] [Hepatodiaphragmatic Nodule TGLS = 2-6.1]
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
			[Fibroadenoma TGLS = 1-16]
* Pituitary Gland	Pars Distalis	Adenoma	
			[Adenoma TGLS = 4-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 466

TRT#: 6

SEX: Female

DAY ON TEST: 726

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900971

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	* Mammary Gland
* Ovary	* Peripheral Nerve	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Clitoral Gland		Cyst	
		Hyperplasia	Mild
[Cyst TGLS = 1-10]			
* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
[Basophilic Focus TGLS = 8-6.02]			
[Clear Cell Focus TGLS = 4-6.01]			
[Hepatodiaphragmatic Nodule TGLS = 3-6.01]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 5-2]			
* Nose		Foreign Body	Minimal
		Inflammation	Acute, Minimal
* Pancreas	Acinus	Atrophy	Minimal
Note: TGL 2 NODULE IS NORMAL PANCREATIC LN ON MICRO EXAM			
* Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: 1-trans-delta-9-Tetrahydrocannabinol
CAS Number: 1972-08-3

Date Report Requested: 10/19/2014
Time Report Requested: 15:47:18
First Dose M/F: NA / NA
Lab: TSI MASON

ANIMAL ID: 466	TRT#: 6	SEX: Female	DAY ON TEST: 726
	DOSE: 25 MG/KG	DISP: Terminal Sacrifice	HISTO: 900971

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-8]			
* Salivary Glands		Focal Cellular Change	Minimal
* Stomach, Forestomach		Hyperplasia	Basal Cell, Mild
		Inflammation	Chronic, Minimal
[Hyperplasia TGLS = 7-5.01]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 467

TRT#: 6

SEX: Female

DAY ON TEST: 458

DOSE: 25 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900972

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	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus	Vagina		

OBSERVATIONS

* Clitoral Gland [Dilatation TGLS = 1-10]		Dilatation	Mild
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
Lymph Node	Mediastinal	Angiectasis	Minimal
	Mediastinal	Pigmentation	Mild
* Ovary [Cyst TGLS = 2-7]		Cyst	
* Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 468

TRT#: 6

SEX: Female

DAY ON TEST: 737

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900973

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	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Moderate
* Liver		Basophilic Focus	
		Hyperplasia	Mild
[Hyperplasia TGLS = 3-6.01]			
* Lung		Foreign Body	Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-16]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8.01]			
* Spleen		Hyperplasia	Reticulum Cell, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 469

TRT#: 6

SEX: Female

DAY ON TEST: 726

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900974

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	* Mammary Gland	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow		Hyperplasia	Reticulum Cell, Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 2-6+6.01]			
* Lung		Inflammation	Chronic Active, Minimal
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Cyst	
[Cyst TGLS = 1-8]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 470

TRT#: 6

SEX: Female

DAY ON TEST: 454

DOSE: 25 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900975

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	Vagina	

MISSING

* Mammary Gland

OBSERVATIONS

Eye	Lens	Cataract Synechia	Mild Mild
[Cataract TGLS = 1-16]			
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
Note: PIGMENT-LADEN MACROPHAGES			
* Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 471

TRT#: 6

DOSE: 25 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 900976

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hyperplasia	Mild
[Hyperplasia TGLS = 2-6]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 1-2+3]			
* Pancreas		Cyst	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
[Adenoma TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 472

TRT#: 6

SEX: Female

DAY ON TEST: 457

DOSE: 25 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900977

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
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	Vagina

OBSERVATIONS

* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung		Edema	Minimal
		Hemorrhage	Minimal
		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Angiectasis	Minimal
	Mediastinal	Pigmentation	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Marked

[Hyperplasia TGLS = 1-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 473

TRT#: 6

SEX: Female

DAY ON TEST: 725

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900978

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	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	
		Galactocele	
		Hyperplasia	Mild
[Fibroadenoma TGLS = 2,3-17+17.01]			
[Galactocele TGLS = 2,3+17+17.01]			
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8.01]			
* Skin		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 1-16]			
* Thymus		Ectopic Thyroid	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 474

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900979

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
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hyperplasia	Mild
[Clear Cell Focus TGLS = 1-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Salivary Glands		Focal Cellular Change	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:18

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 475

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 25 MG/KG

DISP: Terminal Sacrifice

HISTO: 900980

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	* Mammary Gland
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hyperplasia	Mild
[Basophilic Focus TGLS = 4-6]			
[Hyperplasia TGLS = 4-6]			
* Lung		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 2-2+3]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Dilatation	Mild
[Dilatation TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 476

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 50 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900981

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
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus
Vagina			

OBSERVATIONS

* Clitoral GI			
Note: MAST CELLS			
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 2-6.1]		
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Ovary		Cyst	
	[Cyst TGLS = 1-7]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 477

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900982

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
* Lung		Inflammation	Chronic Active, Mild
* Nose		Fungus	Mild
		Inflammation	Acute, Mild
	Respirat Epith	Metaplasia	Mild
* Ovary		Cyst	
[Cyst TGLS = 1-7]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
[Adenoma TGLS = 3-8]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 478

TRT#: 8

SEX: Female

DAY ON TEST: 659

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 900983

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	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland	Bilateral	Adenoma	
[Adenoma TGLS = 1-10.1]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Eosinophilic Focus TGLS = 2-6.1]		Eosinophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 479

TRT#: 8

SEX: Female

DAY ON TEST: 612

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 900984

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 | * Mammary Gland |
| * Nose | * Parathyroid Gland | * Peripheral Nerve | * Salivary Glands |
| * Skeletal Muscle | * Skin | * Spinal Cord | * Stomach, Forestomach |
| * Stomach, Glandular | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

MISSING

- * Thymus

OBSERVATIONS

- | | | | |
|--------------------------|---------------|---|-------------------------|
| * Adrenal Cortex | | Leukemia Mononuclear | |
| * Adrenal Medulla | | Leukemia Mononuclear | |
| * Bone Marrow | | Leukemia Mononuclear | |
| * Heart | | Cardiomyopathy | Mild |
| | | Leukemia Mononuclear | |
| * Kidney | | Leukemia Mononuclear | |
| | | Nephropathy | Minimal |
| * Liver | | Leukemia Mononuclear | |
| * Lung | | Inflammation | Chronic Active, Minimal |
| | | Leukemia Mononuclear | |
| Lymph Node | Pancreatic | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 2-9.1] | |
| * Lymph Node, Mandibular | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 2-9.1] | |
| * Lymph Node, Mesenteric | | Leukemia Mononuclear | |
| | | [Leukemia Mononuclear TGLS = 2-9.1] | |
| * Ovary | | Leukemia Mononuclear | |
| * Pancreas | | Leukemia Mononuclear | |
| | | Note: TGL 2 NODULE IS PANCREATIC L.N. ON MICRO EXAM | |
| * Pituitary Gland | Pars Distalis | Hyperplasia | Minimal |

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 479

TRT#: 8

SEX: Female

DAY ON TEST: 612

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 900984

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

[Leukemia Mononuclear TGLS = 1-3.1]

Leukemia Mononuclear

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 480

TRT#: 8

SEX: Female

DAY ON TEST: 34

DOSE: 50 MG/KG

DISP: Accidentally Killed

HISTO: 900985

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	* Kidney	* Liver
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Thyroid Gland	* Trachea
* Uterus			

MISSING

* Parathyroid Gland	* Peripheral Nerve	Vagina
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OBSERVATIONS

* Adrenal Cortex [Congestion TGLS = 1-8]		Congestion	Mild
* Lung Lymph Node [Necrosis TGLS = 2-16,3-8]	Lumbar	Hemorrhage Necrosis	Mild Moderate
* Lymph Node, Mandibular [Necrosis TGLS = 2-16,3-8]		Necrosis	Minimal
* Lymph Node, Mesenteric [Necrosis TGLS = 2-16,3-8]		Necrosis	Minimal
* Spleen		Depletion Lymphoid	Mild
* Stomach, Glandular [Erosion TGLS = 4-5]		Erosion	Mild
* Thymus		Necrosis	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 481

TRT#: 8

SEX: Female

DAY ON TEST: 455

DOSE: 50 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900986

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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	Vagina		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
[Angiectasis TGLS = 1-8]			
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 482

TRT#: 8

SEX: Female

DAY ON TEST: 454

DOSE: 50 MG/KG

DISP: Natural Death

HISTO: 900987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Clitoral Gland	* Esophagus	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus
Vagina			

AUTO PRECLUDES DIAG.

* Intestine Large, Cecum	* Intestine Large, Colon	* Intestine Large, Rectum	* Intestine Small, Duodenum
* Intestine Small, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic	* Pancreas
* Thymus			

OBSERVATIONS

* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-1]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
* Liver		Leukemia Mononuclear	
* Lung		Hemorrhage	Mild
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-8]			
* Spinal Cord		Hemorrhage	Minimal
* Spleen		Hematopoietic Cell Proliferation	Moderate
		Leukemia Mononuclear	
[Hematopoietic Cell Proliferation TGLS = 1-3+3.1]			
[Leukemia Mononuclear TGLS = 2-3+3.1]			
* Stomach, Forestomach		Ulcer	Moderate
[Ulcer TGLS = 5-5.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 483

TRT#: 8

SEX: Female

DAY ON TEST: 725

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900988

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hyperplasia	Moderate
[Hyperplasia TGLS = 2-6.01]			
* Lung		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8.01]			
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 484

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900989

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 |
| * Mammary Gland | * Nose | * Ovary | * Parathyroid Gland |
| * Peripheral Nerve | * Salivary Glands | * Skeletal Muscle | * Skin |
| * Spinal Cord | * Spleen | * Stomach, Forestomach | * Stomach, Glandular |
| * Thymus | * Thyroid Gland | * Trachea | * Urinary Bladder |
| * Uterus | | | |

OBSERVATIONS

- | | | | |
|-------------------|---|----------------------------|----------------------|
| * Heart | | Cardiomyopathy | Mild |
| * Kidney | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| | | Hepatodiaphragmatic Nodule | |
| | | Hyperplasia | Moderate |
| | [Hepatodiaphragmatic Nodule TGLS = 2-6] | | |
| * Lung | | Inflammation | Chronic Active, Mild |
| * Pancreas | | Metaplasia | Minimal |
| * Pituitary Gland | Pars Distalis | Adenoma | |
| | [Adenoma TGLS = 1-8] | | |

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 485

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900990

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	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 3-6+6.1]			
* Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked
[Hyperplasia TGLS = 2-9]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-16+16.1+16.2+16.3+16.4]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 4-5.1]			
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 486

TRT#: 8

SEX: Female

DAY ON TEST: 638

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 900991

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain		Mineralization	Mild
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
Mesentery	Fat	Fibrosis	Minimal
	Fat	Hemorrhage	Moderate
[Hemorrhage TGLS = 1-9.1]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Salivary Glands	Duct	Inflammation	Acute, Mild
	Duct	Mineralization	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 487

TRT#: 8

SEX: Female

DAY ON TEST: 458

DOSE: 50 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900992

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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	Vagina		

OBSERVATIONS

* Clitoral Gland [Dilatation TGLS = 1-10]		Dilatation	Mild
* Heart		Cardiomyopathy	Minimal
* Intestine Large, Cecum [Hyperplasia TGLS = 4-5.1]	Lymphoid Tiss	Hyperplasia	Lymphoid, Mild
* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland [Hyperplasia TGLS = 3-8]	Pars Distalis Pars Distalis	Cyst Hyperplasia	Moderate
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus [Dilatation TGLS = 2-7]		Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 488

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900993

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Liver		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Eosinophilic Focus TGLS = 4-6]		
	[Hepatodiaphragmatic Nodule TGLS = 3-6.1]		
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	Multiple
	[Fibroadenoma TGLS = 1-10,2-16]		
* Nose		Inflammation	Acute, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 489

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900994

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose
* Ovary	* Parathyroid Gland	* Peripheral Nerve	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Astrocytoma Malignant	
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Basophilic Focus TGLS = 2-6.1]		
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 490

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900995

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	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-10.1]			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 4-6]		Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Galactocele	
[Galactocele TGLS = 2-16]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 3-8A]			
* Spleen		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 491

TRT#: 8

SEX: Female

DAY ON TEST: 726

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900996

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	* Ovary	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 6-6+6.1]		
* Lung		Inflammation	Chronic Active, Minimal
	[Inflammation TGLS = 5-2,3]		
* Mammary Gland		Fibroadenoma	Multiple
		Galactocele	
	[Fibroadenoma TGLS = 1-18+18.1+18.2+18.3,2-17+17.1]		
	[Galactocele TGLS = 3-16]		
* Nose		Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-8.1]		
* Stomach, Glandular		Erosion	Mild
	[Erosion TGLS = 7-5.1]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 492

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 50 MG/KG

DISP: Scheduled Sacrifice

HISTO: 900997

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	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus	Vagina		

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 1-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 493

TRT#: 8

DOSE: 50 MG/KG

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 651

HISTO: 900998

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* 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	* Salivary Glands	* Skeletal Muscle	* Skin
* Stomach, Forestomach	* Thyroid Gland	* Trachea	* Uterus

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Leukemia Mononuclear	
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-1]			
* Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
		Necrosis	Mild
[Leukemia Mononuclear TGLS = 11-6]			
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
Lymph Node	Axillary	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-16,2-9,3-17,6-8,7-19,9-3]			
[Leukemia Mononuclear TGLS = 1-16,2-9,3-17,6-8,7-19,9-3]			
[Leukemia Mononuclear TGLS = 1-16,2-9,3-17,6-8,7-19,9-3]			
[Leukemia Mononuclear TGLS = 1-16,2-9,3-17,6-8,7-19,9-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-16,2-9,3-17,6-8,7-19,9-3]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 493

TRT#: 8

SEX: Female

DAY ON TEST: 651

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 900998

ORGAN AND ACCOUNTABLE SITE STATUS

* Lymph Node, Mesenteric [Leukemia Mononuclear TGLS = 1-16,2-9,3-17,6-8,7-19,9-3]		Leukemia Mononuclear	
* Mammary Gland [Galactocele TGLS = 4-18]		Galactocele	
* Nose		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis Pars Distalis	Cyst Hyperplasia	Mild
* Spinal Cord		Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 5-3.1]		Leukemia Mononuclear	
* Stomach, Glandular [Ulcer TGLS = 10-5.1]		Erosion Ulcer	Minimal Mild
* Thymus		Leukemia Mononuclear	
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 494

TRT#: 8

SEX: Female

DAY ON TEST: 735

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 900999

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 1-2,3]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
* Thyroid Gland		Cyst	
[Cyst TGLS = 2-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 495

TRT#: 8

SEX: Female

DAY ON TEST: 639

DOSE: 50 MG/KG

DISP: Natural Death

HISTO: 901000

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Edema	Moderate
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

[Hyperplasia TGLS = 1-8]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 496

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 901001

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	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Focal, Mild
	[Basophilic Focus TGLS = 3-6+6.1]		
	[Fatty Change TGLS = 1-6.1]		
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 2-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 497

TRT#: 8

SEX: Female

DAY ON TEST: 725

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 901002

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	* Pancreas
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	[Eosinophilic Focus TGLS = 2-6]		
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Ovary		Cyst	
	[Cyst TGLS = 1-7]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 498

TRT#: 8

SEX: Female

DAY ON TEST: 651

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 901003

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	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-16]			
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 6-6]			
[Leukemia Mononuclear TGLS = 3-6]			
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-8]			
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 5-3.1]			
[Leukemia Mononuclear TGLS = 2-3.1]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 499

TRT#: 8

SEX: Female

DAY ON TEST: 490

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 901004

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
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Foreign Body	Minimal
* Mammary Gland		Galactoceles	
[Galactoceles TGLS = 1-10+10.1]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8]			
* Stomach, Forestomach		Ulcer	Moderate
[Ulcer TGLS = 3-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 500

TRT#: 8

SEX: Female

DAY ON TEST: 455

DOSE: 50 MG/KG

DISP: Scheduled Sacrifice

HISTO: 901005

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus	Vagina		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

Animal Note: MAST CELLS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 501

TRT#: 8

SEX: Female

DAY ON TEST: 726

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 901006

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
* Mammary Gland	* Nose	* Pancreas	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
[Clear Cell Focus TGLS = 2-6]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 3-2,3]			
* Ovary		Cyst	
[Cyst TGLS = 1-7]			
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 502

TRT#: 8

SEX: Female

DAY ON TEST: 726

DOSE: 50 MG/KG

DISP: Natural Death

HISTO: 901007

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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
Note: TGL 3 NODULE NOT SEEN ON MICRO EXAM OF RECUT [Basophilic Focus TGLS = 2-6+6.1]			
* Lung		Edema	Mild
		Foreign Body	Minimal
		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 503

TRT#: 8

SEX: Female

DAY ON TEST: 454

DOSE: 50 MG/KG

DISP: Scheduled Sacrifice

HISTO: 901008

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	* Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus
Vagina			

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 504

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 901009

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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia Pheochromocytoma Benign Adenoma	Minimal
* Clitoral Gland	Bilateral		
[Adenoma TGLS = 1-10]			
* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus Clear Cell Focus Fatty Change Hepatodiaphragmatic Nodule	Focal, Minimal
[Clear Cell Focus TGLS = 4-6+6.1+6.2]			
[Fatty Change TGLS = 5-6+6.1+6.2]			
[Hepatodiaphragmatic Nodule TGLS = 2-6.1,3-6.1]			
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Cyst	
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 504

TRT#: 8

DOSE: 50 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 737

HISTO: 901009

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 505

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 901010

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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 2-6+6.1]			
* Lung		Inflammation	Chronic Active, Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	
[Adenoma TGLS = 1-2]			
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 506

TRT#: 8

SEX: Female

DAY ON TEST: 441

DOSE: 50 MG/KG

DISP: Accidentally Killed

HISTO: 901011

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	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	Vagina	

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 507

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: lu

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-6]			
* Lung		Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 508

TRT#: 8

SEX: Female

DAY ON TEST: 458

DOSE: 50 MG/KG

DISP: Scheduled Sacrifice

HISTO: 991013

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	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	Vagina	

OBSERVATIONS

* Clitoral Gland		Inflammation	Chronic Active, Minimal
[Inflammation TGLS = 1-10]			
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Pituitary Gland	Pars Intermed	Cyst	

PRIMARY CAUSE OF DEATH

-

Animal Note: MAST CELLS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 509

TRT#: 8

SEX: Female

DAY ON TEST: 602

DOSE: 50 MG/KG

DISP: Natural Death

HISTO: 901014

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	* Esophagus	* Islets, Pancreatic
* Kidney	* Liver	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Lung		Edema	Mild
		Foreign Body	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
* Stomach, Forestomach		Ulcer	Minimal
[Ulcer TGLS = 1-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 510

TRT#: 8

SEX: Female

DAY ON TEST: 726

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 901015

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
* Lymph Node, Mandibular	* Lymph Node, Mesenteric	* Mammary Gland	* Nose
* Ovary	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Mineralization	Minimal
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-10]			
* Heart		Cardiomyopathy	Mild
* Kidney	Transit Epithe	Hyperplasia	Minimal
		Nephropathy	Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[Basophilic Focus TGLS = 5-6]		Hyperplasia	Mild
[Eosinophilic Focus TGLS = 2-6.01]			
[Hyperplasia TGLS = 4-6.01]			
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 511

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 901016

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
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Fatty Change	Moderate
[Fatty Change TGLS = 4,5-6]			
* Lung		Foreign Body	Mild
		Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-2+3]			
* Nose		Inflammation	Acute, Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Stomach, Forestomach		Hyperplasia	Basal Cell, Moderate
		Inflammation	Chronic, Moderate
[Hyperplasia TGLS = 3-5]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 512

TRT#: 8

SEX: Female

DAY ON TEST: 659

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 901017

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	* Lymph Node, Mandibular
* Lymph Node, Mesenteric	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Skeletal Muscle	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Clitoral Gland

OBSERVATIONS

* Liver		Basophilic Focus	
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-10+10.1]		
* Ovary		Granulosa Cell Tumor Benign	
	[Granulosa Cell Tumor Benign TGLS = 7.1+7.1.1]		
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Marked
* Salivary Glands	Duct	Metaplasia	Squamous, Minimal
* Skin		Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLS = 2-16+16.1]		
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 513

TRT#: 8

SEX: Female

DAY ON TEST: 457

DOSE: 50 MG/KG

DISP: Scheduled Sacrifice

HISTO: 901018

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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus	Vagina	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Infiltration Cellular	Histiocyte, Minimal
* Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 514

TRT#: 8

SEX: Female

DAY ON TEST: 16

DOSE: 50 MG/KG

DISP: Dosing Accident

HISTO: 901019

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	* Lung	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland	* Peripheral Nerve
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 515

TRT#: 8

SEX: Female

DAY ON TEST: 628

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 901020

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* Adrenal Medulla	* Bone	* Bone Marrow
* Brain	* Clitoral Gland	Ear	* 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	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 3,4-6+6.1+6.2]			
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Galactocele	
[Galactocele TGLS = 2-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-8]			
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 516

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 901021

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	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Mixed Cell Focus	
[Basophilic Focus TGLS = 2-6]			
[Hepatodiaphragmatic Nodule TGLS = 3-6]			
[Mixed Cell Focus TGLS = 4-6]			
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-16]			
* Pancreas	Acinus	Atrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 517

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 901022

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	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Mammary Gland

OBSERVATIONS

Eye	Retina	Atrophy	Marked
Note: TGL 1 OPAQUE COLOR NOT SEEN ON MICRO EXAM			
* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung		Foreign Body	Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-8.01]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 518

TRT#: 8

SEX: Female

DAY ON TEST: 454

DOSE: 50 MG/KG

DISP: Scheduled Sacrifice

HISTO: 901023

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 | * Peripheral Nerve | * Salivary Glands | * Skeletal Muscle |
| * Skin | * Spinal Cord | * Spleen | * Stomach, Forestomach |
| * Stomach, Glandular | * Thymus | * Thyroid Gland | * Trachea |
| * Urinary Bladder | * Uterus | Vagina | |

OBSERVATIONS

- | | | | |
|-----------------------|---------------|------------------|-------------------------|
| * Kidney | Cortex | Mineralization | Minimal |
| | | Nephropathy | Minimal |
| * Liver | | Basophilic Focus | |
| * Lung | | Inflammation | Chronic Active, Minimal |
| * Pancreas | Acinus | Atrophy | Minimal |
| * Pituitary Gland | Pars Distalis | Cyst | |
| [Cyst TGLS = 1-8.1] | | | |

PRIMARY CAUSE OF DEATH

-

Animal Note: MAST CELLS IN ALL 3 NODES

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 519

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 901024

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Adrenal Cortex	* 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
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow		Hyperplasia	Reticulum Cell, Moderate
* Heart		Cardiomyopathy	Minimal
* Kidney	Renal Tubule Cortex	Hyperplasia	Mild
		Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
* Lung		Foreign Body	Minimal
		Infiltration Cellular	Histiocyte, Moderate
		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
		[Fibroadenoma TGLS = 1-16+16.01+16.02+16.03+16.04]	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
		[Adenoma TGLS = 2-8]	
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 519

TRT#: 8

DOSE: 50 MG/KG

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 731

HISTO: 901024

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 520

TRT#: 8

SEX: Female

DAY ON TEST: 588

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 901025

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	* Mammary Gland	* Ovary
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Nose		Inflammation	Acute, Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Skin		Ulcer	Moderate
	[Ulcer TGLS = 2-16]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-3]		
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 521

TRT#: 8

SEX: Female

DAY ON TEST: 457

DOSE: 50 MG/KG

DISP: Scheduled Sacrifice

HISTO: 901026

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus	Vagina		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 1-6.1]		
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas		Metaplasia	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	[Angiectasis TGLS = 2-8.1]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 522

TRT#: 8

SEX: Female

DAY ON TEST: 725

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 901027

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
* Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Chronic Active, Minimal
[Hyperplasia TGLS = 1-2.01]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 523

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 901028

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
* Mammary Gland	* Ovary	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-6]		
* Lung		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Acute, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 524

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 901029

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
* Mammary Gland	* Nose	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Angiectasis	Mild
		Basophilic Focus	
		Hyperplasia	Mild
		Mixed Cell Focus	
	[Angiectasis TGLS = 2-6.01]		
	[Basophilic Focus TGLS = 3-6]		
* Lung		Inflammation	Chronic Active, Minimal
* Ovary		Cyst	
	[Cyst TGLS = 1-7]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Minimal
* Uterus		Dilatation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 525

TRT#: 8

SEX: Female

DAY ON TEST: 656

DOSE: 50 MG/KG

DISP: Moribund Sacrifice

HISTO: 901030

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
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
* Liver		Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Ovary		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Moderate
	[Angiectasis TGLS = 2-8]		
	[Hyperplasia TGLS = 3-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Stomach, Forestomach		Hyperkeratosis	Mild
		Hyperplasia	Basal Cell, Minimal
	[Hyperkeratosis TGLS = 4-16]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 526

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 901031

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	* Mammary Gland
* Nose	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Clitoral Gland		Cyst	
* Heart		Cardiomyopathy	Minimal
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Mixed Cell Focus	
	[Mixed Cell Focus TGLS = 1-6+6.01]		
* Lung		Inflammation	Chronic Active, Mild
* Ovary		Cyst	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 527

TRT#: 8

DOSE: 50 MG/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 717

HISTO: 901032

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	* Lymph Node, Mesenteric
* Nose	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-6]		
* Lung		Inflammation	Chronic Active, Minimal
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 4-10]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Angiectasis	Minimal
	[Angiectasis TGLS = 3-8]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-3]		
* Stomach, Forestomach		Hyperplasia	Basal Cell, Mild
* Stomach, Glandular		Erosion	Minimal
	[Erosion TGLS = 6-5.01]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	Follicular Cel	Adenoma	
	[Adenoma TGLS = 5-2]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 528

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 901033

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle	* Skin
* Spinal Cord	* Spleen	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
	[Clear Cell Focus TGLS = 2-6]		
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 1-8]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 529

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 901034

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
* Pancreas	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
	[Hepatodiaphragmatic Nodule TGLS = 1-6.1,2-6]	Hepatodiaphragmatic Nodule	
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 530

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 901035

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
* Mammary Gland	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney	Cortex	Mineralization	Minimal
		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		[Basophilic Focus TGLS = 2-6]	
		[Eosinophilic Focus TGLS = 3-6+6.1]	
		[Hepatodiaphragmatic Nodule TGLS = 4-6.1]	
* Lung		Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
		[Adenoma TGLS = 1-8]	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 531

TRT#: 8

SEX: Female

DAY ON TEST: 449

DOSE: 50 MG/KG

DISP: Natural Death

HISTO: 901036

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- * Adrenal Cortex
- * Brain
- * Kidney
- * Lymph Node, Mesenteric
- * Pancreas
- * Skin
- * Thymus
- * Uterus

- * Adrenal Medulla
- * Clitoral Gland
- * Liver
- * Mammary Gland
- * Peripheral Nerve
- * Spinal Cord
- * Thyroid Gland

- * Bone
- * Esophagus
- * Lung
- * Nose
- * Salivary Glands
- * Spleen
- * Trachea

- * Bone Marrow
- * Islets, Pancreatic
- * Lymph Node, Mandibular
- * Ovary
- * Skeletal Muscle
- * Stomach, Forestomach
- * Urinary Bladder

MISSING

* Parathyroid Gland

Vagina

AUTO PRECLUDES DIAG.

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

- * Intestine Large, Colon
- * Intestine Small, Jejunum

- * Intestine Large, Rectum
- * Stomach, Glandular

* Intestine Small, Duodenum

OBSERVATIONS

- * Heart
- * Pituitary Gland

Pars Distalis

Cardiomyopathy
Adenoma

Minimal

[Adenoma TGLS = 1-8.1]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 532

TRT#: 8

SEX: Female

DAY ON TEST: 736

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 901037

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	* Kidney	* Lymph Node, Mandibular	* Lymph Node, Mesenteric
* Mammary Gland	* Ovary	* Parathyroid Gland	* Peripheral Nerve
* Salivary Glands	* Skeletal Muscle	* Skin	* Spinal Cord
* Spleen	* Stomach, Forestomach	* Stomach, Glandular	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain		Carcinoma	Metastatic (Pituitary Gland)
* Heart		Cardiomyopathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 2-6.01]			
* Lung		Infiltration Cellular	Histiocyte, Mild
		Inflammation	Chronic Active, Minimal
* Nose		Inflammation	Acute, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 1-8]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 533

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 901038

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, Ileum	* Intestine Small, Jejunum	* Islets, Pancreatic
* Kidney	* Mammary Gland	* Nose	* Ovary
* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Stomach, Forestomach	* Stomach, Glandular
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Minimal
* Heart		Cardiomyopathy	Mild
* Intestine Small, Duodenum		Ectopic Tissue	
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3,6-6+6.01]		
* Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2,4-3+8]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2,4-3+8]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2,4-3+8]		
* Pancreas	Acinus	Atrophy	Minimal
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 5-8]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 533

TRT#: 8

SEX: Female

DAY ON TEST: 731

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 901038

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-3]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 534

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 901039

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
* Mammary Gland	* Nose	* Ovary	* Parathyroid Gland
* Peripheral Nerve	* Pituitary Gland	* Salivary Glands	* Skeletal Muscle
* Skin	* Spinal Cord	* Spleen	* Stomach, Forestomach
* Stomach, Glandular	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Mixed Cell Focus	
[Basophilic Focus TGLS = 1-6.01]			
* Lung		Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05214-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: 1-trans-delta-9-Tetrahydrocannabinol

CAS Number: 1972-08-3

Date Report Requested: 10/19/2014

Time Report Requested: 15:47:19

First Dose M/F: NA / NA

Lab: TSI MASON

ANIMAL ID: 535

TRT#: 8

SEX: Female

DAY ON TEST: 737

DOSE: 50 MG/KG

DISP: Terminal Sacrifice

HISTO: 901040

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	* Parathyroid Gland	* Peripheral Nerve	* Salivary Glands
* Skeletal Muscle	* Skin	* Spinal Cord	* Spleen
* Stomach, Forestomach	* Stomach, Glandular	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Cardiomyopathy	Mild
* Kidney		Nephropathy	Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 4-6]			
* Lung		Foreign Body	Minimal
		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-16+16.01]			
* Ovary		Cyst	
[Cyst TGLS = 2-7]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
[Adenoma TGLS = 3-8]			

PRIMARY CAUSE OF DEATH

-

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE