

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

C Number:	C60333
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	01/08/1987

Experiment Number: 05024-01

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Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Coagulating Gland	Ductus Deferens	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mesentery	Nose	Parathyroid Gland	Peripheral Nerve
Preputial Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Ureter	Urethra
Urinary Bladder			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Brain		Compression	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	
		Degeneration	Cystic, Moderate
		Leukemia Mononuclear	
Note: DEGEN	TGLs = 3-4		
Lymph Node	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Marked
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-5		
Prostate		Inflammation	Chronic Active, Moderate
Sem Ves			
Note: TGL#5-NCL:-SEMINAL VESICLES CONSIDERED			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Skin		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
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Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1	TRT#: 1 DOSE: VEHICLE CONTROL	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS			
Spleen		Fibrosis Infiltration Cellular Leukemia Mononuclear	Marked Lipocyte, Mild
Note: FIBROSIS TGLs = 1-12 Note: INTO THE RED PULP IN THE AREA OF SPLENIC FIBROSIS. Note: SPLEEN:-THERE IS A FOCAL AREA OF FATTY INFILTRATION			
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy Mineralization	Moderate Mild
Note: ADENOMA TGLs = 2-10			
Thyroid Gland	Follicular Cel	Hyperplasia Mineralization	Mild Mild

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Spleen
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OBSERVATIONS

Adrenal Gland	Medulla	Atypia Cellular	
	Cortex	Degeneration	Fatty, Mild
	Medulla	Hyperplasia	Moderate
	Cortex	Hypertrophy	Mild
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY	TGLs = 2-4		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
Note: ADENOMA	TGLs = 1-3		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 1

TRT#: 5

SEX: Male

DAY ON TEST: 573

DOSE: 12 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Ductus Deferens	Epididymis
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mesentery	Nose	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Ureter	Urinary Bladder	

MISSING

Lymph Node - Mesenteric

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Degeneration	Cystic, Minimal
		Necrosis	Coagulative, Moderate
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Minimal
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA	TGLs = 1-12		
Spleen		Hematopoietic Cell Proliferation	Moderate
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
		Mineralization	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Dead	DAY ON TEST: 573 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell	Hyperplasia	Minimal
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PRIMARY CAUSE OF DEATH

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Animal Note: CAUSE OF DEATH:HEPATIC NECROSIS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 2

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mesenteric	Mesentery	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Urethra	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Nephropathy	Chronic, Mild
Liver		Neoplastic Nodule	
Mammary Gland		Hyperplasia	Cystic, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Minimal
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy Mineralization	Marked Mild
Note: ADENOMA TGLs = 1-10			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 2	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 549 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Epididymis	Esophagus
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Mesentery	Nose	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Ureter
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Minimal
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas	Acinus	Atrophy	Mild
Preputial Gland		Inflammation	Chronic Active, Mild
		Squamous Cell Carcinoma	
Prostate		Inflammation	Chronic Active, Moderate
Skin	Subcut Tiss	Fibroma	Multiple
Note: FIBROMA	TGLs = 1,2-12+13		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 3-10		
Thyroid Gland	C Cell	Hyperplasia	Minimal
	Follicular Cel	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 2

TRT#: 3

SEX: Male

DAY ON TEST: 549

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY: MULTIPLE CUTANEOUS FIBROMAS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 2	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Brain	Ductus Deferens
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mesentery	Pancreas	Parathyroid Gland
Peripheral Nerve	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tooth	Trachea	Ureter
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
	Vertebral	Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Moderate
		Leukemia Mononuclear	
	Atrium	Thrombosis	
Kidney		Cyst	
		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1]			
Liver		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-2			
Mammary Gland		Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 2	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
ORGAN AND ACCOUNTABLE SITE STATUS			
Nose	Nasolacrim Dct	Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-4			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
Note: ADENOMA TGLs = 3-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 3

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Ductus Deferens	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 - Mesenteric	Mesentery
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Prostate	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tooth	Trachea	Ureter
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Mammary Gland		Hyperplasia	Cystic, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
		Mineralization	Mild

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 3	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 555 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Brain
Coagulating Gland	Ductus Deferens	Epididymis	Esophagus
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mesentery	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Prostate	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Ureter
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Bone Marrow	Femoral	Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-4			
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Minimal
Note: ADENOMA TGLs = 2-10			
Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 3

TRT#: 3

SEX: Male

DAY ON TEST: 555

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Follicular Cel

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 3

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Brain	Coagulating Gland	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Nose	Parathyroid Gland	Peripheral Nerve	Preputial Gland
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Ureter	Urinary Bladder		

MISSING

Intestine Large - Rectum	Lymph Node - Mesenteric
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OBSERVATIONS

Bone Marrow	Femoral Vertebral	Hyperplasia Hyperplasia	Reticulum Cell, Minimal Reticulum Cell, Minimal
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Marked
Note: WAS NOT IDENTIFIED AT TRIM.			
Note: TGL#4-NCL:-FOCUS ON LEFT KIDNEY, AS NOTED AT NECROPSY,			
Liver		Inflammation	Chronic, Minimal
Mammary Gland		Fibroadenoma Hyperplasia	Cystic, Mild
Note: FIBROADENOMA TGLs = 1-15			
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-5			
Prostate		Inflammation	Chronic Active, Mild
Skin			
Note: TGL#1-SKIN MASS, RIGHT THORAX, AS NOTED AT NECROPSY,			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Spleen			

* PROTOCOL REQUIRED TISSUE

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Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 3	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: TO BE WNL HISTOPATHOLOGICALLY.

Note: TGL#3-NCL:-SPLEEN CONSIDERED

Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
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Note: ADENOMA TGLs = 2,6-10

PRIMARY CAUSE OF DEATH	-
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Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 708

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	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 - Mesenteric
Mesentery	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Ureter	Urethra
Urinary Bladder			

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver			
Note: TGL#5:-LIVER WAS CONSIDERED			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Lung		Inflammation	Chronic Active, Moderate
Lymph Node			
Note: TGL#6 - NCL:-MEDIASTINAL L N CONSIDERED			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 7-5			
Preputial Gland		Adenoma	
Note: TGL#1:- THE EPIDERMAL SURFACE OVER THE			
Note: ADENOMA TGLs = 1-13			
Note: ADENOMA WAS SEVERELY ULCERATED AND INFLAMMED.			
Prostate		Inflammation	Chronic Active, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 4	TRT#: 1 DOSE: VEHICLE CONTROL	SEX: Male DISP: Moribund	DAY ON TEST: 708 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy Mineralization	Marked Minimal
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Note: ADENOMA TGLs = 3-10
Note: ATROPHY TGLs = 2-10

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY:-PREPUTIAL GLD ADENOMA.

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 4	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex Adrenal Gland - Medulla

OBSERVATIONS

Eye	Retina	Atrophy	Marked
Note: FOR HISTOPATHOLOGICAL EXAMINATION.			
Note: ATROPHY TGLs = 1-3			
Note: TGL#1-LENS MISSING FROM SECTION OF EYE RECEIVED			
Kidney		Cyst	
		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 4-5			
Liver		Basophilic Focus	
Spleen		Fibrosis	Mild
Note: FIBROSIS TGLs = 3-1			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 2-4			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 4	TRT#: 5	SEX: Male	DAY ON TEST: 733
	DOSE: 12 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Mesentery	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Tooth	Trachea
Ureter	Urethra	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
Epididymis		Angiectasis	Moderate
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Mild
Note: INFLAMMATION	TGLs = 4-14		
Note: ANGIECTASIS	TGLs = 4-14		
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1+12]			
Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-13]			
Spleen		Fibrosis	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 4	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA	TGLs = 3-10		
Thyroid Gland		C Cell	Adenoma
PRIMARY CAUSE OF DEATH		-	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Ductus Deferens	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Mesentery	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1+13]			
Liver		Basophilic Focus	
		Degeneration	Cystic, Minimal
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
Note: HYPERPLASIA TGLs = 2-7			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-5			
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-4			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 5	TRT#: 3	SEX: Male	DAY ON TEST: 732
	DOSE: 6 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
Note: PHEOCHROM MAL	TGLs = 8-2		
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
Note: NEPHROPATHY	TGLs = 7-6+7		
Liver		Degeneration	Cystic, Moderate
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1,2,5,6-3+4+5+6		
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear	TGLS = 3-1]		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 4-3		

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 5

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Brain
Coagulating Gland	Ductus Deferens	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mesentery	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	Tooth	Trachea	Ureter
Urethra	Urinary Bladder		

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
	Medulla	Hyperplasia	Mild
	Cortex	Hypertrophy	Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Moderate
Liver		Degeneration	Cystic, Minimal
Mammary Gland		Hyperplasia	Cystic, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 637
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Brain
Coagulating Gland	Epididymis	Esophagus	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mesentery	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Bone Marrow	Femoral	Hyperplasia	Moderate
	Vertebral	Hyperplasia	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Marked
Liver		Degeneration	Cystic, Mild
Lung			
Note: TGL#4-NCL-LUNG CONSIDERED TO BE WNL			
Note: HISTOPATHOLOGICALLY.			
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA	TGLs = 1-12		
Spleen		Hematopoietic Cell Proliferation	Marked
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal
Note: ADENOMA	TGLs = 2-10		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 637
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: REGARDING SIZE. PROBABLY LOOKED SMALL GROSSLY
Note: TGL#3-NCL-RIGHT TESTICLE CONSIDERED TO BE WNL
Note: ENLARGED DUE TO THE INTERSTITIAL CELL ADENOMA.
Note: WHEN COMPARED WITH THE LEFT TESTICLE WHICH WAS

Thyroid Gland	C Cell	Adenoma
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PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 6

TRT#: 3

SEX: Male

DAY ON TEST: 561

DOSE: 6 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Coagulating Gland	Ductus Deferens
Epididymis	Liver	Lung	Nose
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Spinal Cord	Thymus
Tooth			

MISSING

Harderian Gland	Lymph Node - Mesenteric
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Pancreas	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Ureter	Urinary Bladder

OBSERVATIONS

Esophagus		Foreign Body	Moderate
Note: FOREIGN BODY IS FOOD AND MISC. DEBRIS.			
Heart		Cardiomyopathy	Chronic, Mild
Mammary Gland		Hyperplasia	Cystic, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic Active, Minimal
Prostate		Inflammation	Chronic Active, Moderate
Testes	Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:UNDETERMINED. POSSIBLE

Animal Note: GAVAGE RELATED, BUT CAN'T PROVE.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 6

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Brain
Ductus Deferens	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lymph Node - Mesenteric	Mammary Gland
Mesentery	Nose	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Tooth	Trachea
Ureter	Urethra	Urinary Bladder	

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Minimal
Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 2-1]			
Lung	Alveolar Epith	Hyperplasia	Mild
Pancreas	Acinus	Atrophy	Minimal
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Fibrosis	Moderate
Note: FIBROSIS TGLs = 3-4			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
		Mineralization	Minimal
Note: ADENOMA TGLs = 1-10			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 6

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 7	TRT#: 1	SEX: Male	DAY ON TEST: 732
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Mesentery	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Prostate	Salivary Glands	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Urethra	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Lung		Inflammation	Chronic Active, Mild
Note: INFLAMMATION	TGLs = 3-2		
Mammary Gland		Hyperplasia	Cystic, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 1-10		
Thyroid Gland	C Cell	Carcinoma	
	C Cell	Hyperplasia	Mild
Note: CARCINOMA	TGLs = 2-2		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 7	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 421 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Ductus Deferens	Epididymis	Esophagus
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Mesentery	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Spleen	Stomach - Glandular
Thyroid Gland	Tooth	Trachea	Ureter
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Peripheral Nerve	Thymus
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OBSERVATIONS

Brain		Compression	
		Hydrocephalus	Mild
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Mild
Note: CATARACT	TGLs = 1-11		
Kidney		Nephropathy	Chronic, Mild
Lung		Granuloma	Mild
Mammary Gland		Hyperplasia	Cystic, Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-6		
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Stomach	Forestomach	Inflammation	Chronic Active, Marked
Note: INFLAMMATION	TGLs = 4-5		
Testes	Seminif Tub	Atrophy	Marked
Note: ATROPHY	TGLs = 2-9		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 7

TRT#: 3

SEX: Male

DAY ON TEST: 421

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: COMPRESSION OF HYPOTHALMUS AND HYDROCEPHALUS.

Animal Note: CAUSE OF MORBIDITY:PITUITARY ADENOMA WITH

Animal Note: ALSO, NECROTIZING GASTRITIS OF FORESTOMACH.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 7

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Coagulating Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Mesentery	Nose
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tooth	Trachea	Ureter
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Brain		Compression	
Epididymis		Mesothelioma Malignant	
Note: MESOTHELIO MAL	TGLs = 3-10+12		
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Degeneration	Cystic, Minimal
		Eosinophilic Focus	
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Marked
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-5		
Preputial Gland		Inflammation	Chronic Active, Minimal
Prostate		Inflammation	Chronic Active, Mild
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 7	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS			
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
		Mesothelioma Malignant	

Note: ADENOMA TGLs = 2-12
Note: MESOTHELIO MAL TGLs = 3-12

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 8

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Mesentery	Nose
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Ureter	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 5-7	Bilateral, Medulla	Pheochromocytoma Benign	
Bone Marrow	Femoral	Hyperplasia	Reticulum Cell, Mild
Brain		Compression	
Coagulating Gland		Inflammation	Chronic Active, Mild
Heart		Cardiomyopathy	Chronic, Moderate
Kidney [Nephropathy TGLS = 3-1+15]		Nephropathy	Chronic, Marked
Lymph Node Note: HYPERPLASIA TGLs = 1-7	Mandibular	Hyperplasia	Plasma Cell, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland [Adenoma TGLS = 4-5]	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate Note: INFLAMMATION TGLs = 2-13		Inflammation	Chronic Active, Marked
Testes		Mineralization	Minimal
Urinary Bladder	Transit Epithe	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 8	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS			
		Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH	-		
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 8	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 575 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Coagulating Gland	Ductus Deferens
Epididymis	Esophagus	Harderian Gland	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mesentery
Nose	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Tooth
Trachea	Ureter	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Kidney		Leukemia Mononuclear Nephropathy	Chronic, Moderate
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-4		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular Mediastinal Mesenteric	Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-12		
Note: LEUKEMIA MONUC	TGLs = 1-5+7		
Pancreas	Acinus	Atrophy	Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-1+12		
Testes	Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia	Minimal Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 8	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 575 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Thymus		Leukemia Mononuclear	
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 8	TRT#: 5	SEX: Male	DAY ON TEST: 732
	DOSE: 12 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Brain
Coagulating Gland	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Nose	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Ureter
Urinary Bladder			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
	Medulla	Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Mammary Gland		Hyperplasia	Cystic, Minimal
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic Active, Minimal
Prostate		Inflammation	Chronic Active, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 9	TRT#: 1 DOSE: VEHICLE CONTROL	SEX: Male DISP: Moribund	DAY ON TEST: 667 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-13		
Note: LEUKEMIA MONUC	TGLs = 5-13		
Note: LEUKEMIA MONUC	TGLs = 1-7		
Mammary Gland		Hyperplasia	Cystic, Mild
		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
Nose	Nasolacrim Dct	Inflammation	Suppurative, Moderate
		Leukemia Mononuclear	
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Leukemia Mononuclear	
Prostate		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
Salivary Glands		Leukemia Mononuclear	
Skeletal Muscle		Leukemia Mononuclear	
Skin		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
		Necrosis	Coagulative, Mild
Note: LEUKEMIA MONUC	TGLs = 3-4		
Stomach	Forestomach	Inflammation	Chronic Active, Moderate
	Forestomach	Leukemia Mononuclear	
	Glandular	Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 9	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 695 HISTO:
OBSERVATIONS			
Adrenal Gland	Cortex Medulla	Leukemia Mononuclear Leukemia Mononuclear	
Heart	Atrium	Cardiomyopathy Thrombosis	Chronic, Mild
Note: THROMBUS TGLs = 8-5			
Kidney		Leukemia Mononuclear Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 9-6+7			
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3,6-1			
Lymph Node	Mandibular Mediastinal Mesenteric	Leukemia Mononuclear Leukemia Mononuclear Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5,7,10-3+4+7			
Pituitary Gland	Pars Distalis Pars Distalis	Adenoma Cyst	
Note: CYST TGLs = 1-3			
Note: ADENOMA TGLs = 1-3			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1]			
Testes	Bilateral, Interstit Cell Seminif Tub Rete Testes	Adenoma Atrophy Hyperplasia	Marked Mild
Note: ADENOMA TGLs = 4-4			
Thyroid Gland	Follicular Cel	Carcinoma	
Note: CARCINOMA TGLs = 11-2			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY:MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 9	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mesentery	Parathyroid Gland	Peripheral Nerve
Prostate	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Ureter	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 5-7			
Bone Marrow	Femoral	Leukemia Mononuclear	
	Vertebral	Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1]			
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-15			
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Moderate
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 7-5			
Preputial Gland		Inflammation	Chronic Active, Mild
Sem Ves			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 9	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#8-NCL:-SEMINAL VESICLES CONSIDERED

Note: TO BE WNL HISTOPATHOLOGICALLY.

Skin	Subcut Tiss	Fibroma	
Note: FIBROMA	TGLs = 1-14		
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-4		
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
Note: ADENOMA	TGLs = 4-10		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Ureter	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 4-7			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Cyst	
		Leukemia Mononuclear	
		Mineralization	Mild
		Nephropathy	Chronic, Marked
Note: CYST TGLs = 5-1 [Nephropathy TGLS = 6-1]			
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular Mediastinal	Hyperplasia	Plasma Cell, Moderate
Note: LEUKEMIA MONUC TGLs = 2-2+12		Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-4			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia	Moderate Mild
Note: ADENOMA TGLs = 3-10			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Liver

Spleen

OBSERVATIONS

Pancreas

Acinus

Atrophy

Moderate

Cyst

Artery

Inflammation

Proliferative, Moderate

Note: CYST TGLs = 2-3

Testes

Bilateral, Interstit Cell

Adenoma

Marked

Seminif Tub

Atrophy

Minimal

Note: ADENOMA TGLs = 1-3

Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 10

TRT#: 5

SEX: Male

DAY ON TEST: 555

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Brain
Coagulating Gland	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mesentery	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Tooth
Trachea	Ureter	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Preputial Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
Blood		Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
	Vertebral	Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
Liver		Degeneration	Cystic, Minimal
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-12		
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 589

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Coagulating Gland	Epididymis	Esophagus
Harderian Gland	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Ureter	Urinary Bladder

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

OBSERVATIONS

Brain		Compression	
		Hemorrhage	Mild
		Hydrocephalus	Marked
		Inflammation	Chronic, Mild
		Pigmentation	Hemosiderin, Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Lymph Node	Renal	Hemorrhage	Moderate
Note: HEMORRHAGE	TGLs = 3-12		
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Marked
Testes	Seminif Tub	Atrophy	Moderate
Note: ATROPHY	TGLs = 2-10		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 589

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF DEATH:PITUITARY ADENOMA.

Animal Note: CONTRIBUTING FACTORS:HYDROCEPHALUS,COMPRESSION

Animal Note: OF VENTRAL BRAIN WITH ASSOCIATED

Animal Note: INFLAMMATION AND HEMORRHAGE.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 11

TRT#: 3

SEX: Male

DAY ON TEST: 600

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Brain
Coagulating Gland	Epididymis	Esophagus	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mesentery
Nose	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Ureter	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Bone Marrow	Femoral	Myelofibrosis	Moderate
Coagulat GI			
Note: TGL#5-NCL-COAGULATING GLD CONSIDERED TO BE WNL HISTOPATHO-LOGICALLY.THE LUMEN WAS FILLED WITH SECRETION WHICH PROBABLY ACCOUNTS FOR THE ENLARGED APPEARANCE AT NECROPSY.			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Cyst	
		Nephropathy	Chronic, Marked
Note: CYST TGLs = 6-1			
Note: NEPHROPATHY TGLs = 7-1			
Liver		Degeneration	Cystic, Mild
		Inflammation	Chronic, Minimal
Lung	Alveolar Epith	Hyperplasia	Adenomatous, Mild
		Inflammation	Chronic Active, Mild
		Metaplasia	Osseous, Minimal
Lymph Node	Mediastinal	Hyperplasia	Plasma Cell, Mild
Note: HYPERPLASIA TGLs = 2-2			
Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 11	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 600 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Parathyroid Gland		Hyperplasia	Moderate
Preputial Gland		Adenoma Inflammation	Chronic Active, Mild
Note: ADENOMA	TGLs = 1-12		
Spleen		Fibrosis	Mild
Note: FIBROSIS	TGLs = 4-13		
Testes		Interstit Cell Seminif Tub Interstit Cell	Mild Mild
Note: ATROPHY	TGLs = 3-10		
Thyroid Gland		Follicular Cel Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY: MARKED, CHRONIC NEPHROPATHY.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 11

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	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	Mesentery	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex Bilateral, Medulla	Hypertrophy Pheochromocytoma Benign	Minimal
Note: PHEOCHROM BGN TGLs = 2-7			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Degeneration Inflammation Leukemia Mononuclear	Cystic, Minimal Chronic, Minimal
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-14			
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Inflammation	Chronic Active, Minimal
Prostate		Atrophy	Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-12			
Testes	Bilateral, Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia Mineralization	Marked Minimal Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 11	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA	TGLs = 1-10		
Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 690

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mesentery	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skeletal Muscle	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Ureter	Urethra	Urinary Bladder	

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 4,7-7	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver Note: NECROSIS TGLs = 3-15		Mineralization	Mild
		Necrosis	Coagulative, Marked
Lymph Node Note: HEMORRHAGE TGLs = 5-12 Note: INFILTRAT CELL TGLs = 6-13	Mesenteric Mediastinal	Hemorrhage Infiltration Cellular	Mild Histiocyte, Moderate
Nose		Inflammation	Chronic Active, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Moderate
Skin Note: ADENOMA TGLs = 1-14	Sebaceous GI	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12	TRT#: 1	SEX: Male	DAY ON TEST: 690
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal

Note: ADENOMA TGLs = 8-10

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:HEPATIC NECROSIS.

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 12

TRT#: 3

SEX: Male

DAY ON TEST: 722

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Spleen

OBSERVATIONS

Adrenal Gland

Medulla

Hyperplasia

Mild

Kidney

Nephropathy

Chronic, Marked

Note: NEPHROPATHY TGLs = 5-4+5

Liver

Hepatocellular Carcinoma

[Hepatocellular Carcinoma TGLS = 4-1]

Lymph Node

Mesenteric

Inflammation

Proliferative, Marked

Note: INFLAMMATION TGLs = 7-6

Pancreas

Artery

Inflammation

Proliferative, Marked

Note: INFLAMMATION TGLs = 1-3

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 6-6

Prostate

Inflammation

Chronic Active, Moderate

Note: INFLAMMATION TGLs = 3-4

Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Marked

Interstit Cell

Hyperplasia

Mild

Mineralization

Minimal

Note: ADENOMA TGLs = 2-3

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:HEPATOCELLULAR CARCINOMA,

Animal Note: PERIARTERITIS NODOSA,MARKED,CHRONIC NEPHROPATHY.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 12

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	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	Lung	Mesentery
Nose	Pancreas	Penis	Peripheral Nerve
Preputial Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urethra	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
Brain		Compression	
		Hydrocephalus	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1]			
Lymph Node	Mandibular	Cyst	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-5			
Prostate		Inflammation	Chronic Active, Mild
Skin		Keratoacanthoma	
Note: KERATOACANTHMA TGLs = 1-13			
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 2-10			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:PITUITARY GLD ADENOMA

Animal Note: WITH RESULTANT COMPRESSION OF HYPOTHALMUS

Animal Note: AND MODERATE HYDROCEPHALUS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Coagulating Gland	Ductus Deferens	Epididymis	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Nose
Pancreas	Peripheral Nerve	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Ureter	Urinary Bladder

MISSING

Intestine Large - Cecum	Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 3-1+12]			
Liver		Neoplastic Nodule	
Mammary Gland		Hyperplasia	Cystic, Marked
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Cyst	
Note: ADENOMA	TGLs = 1-5		
Preputial Gland		Inflammation	Chronic Active, Mild
Spleen		Hematopoietic Cell Proliferation	Minimal
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA	TGLs = 2-10		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 13

TRT#: 3

SEX: Male

DAY ON TEST: 515

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Epididymis	Esophagus
Eye	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mesentery	Nose	Peripheral Nerve	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Ureter	Urinary Bladder	

MISSING

Harderian Gland	Lymph Node - Mesenteric	Parathyroid Gland	Pituitary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
Eye			
Note: JAUNDICE SECONDARY TO THE MONONUCLEAR LEUKEMIA.			
Note: YELLOW COLOR, AS NOTED AT NECROPSY, PROBABLY DUE TO			
Note: TGL#1-NCL-EYES APPEARED TO BE WNL HISTOPATHOLOGICALLY.			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-2+3			
Lymph Node	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Minimal
Pancreas	Acinus	Atrophy	Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 3-13]			
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 515 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Seminif Tub	Atrophy	Mild
Interstit Cell	Hyperplasia	Minimal
	Mineralization	Minimal
C Cell	Hyperplasia	Mild
Follicular Cel	Hyperplasia	Minimal

Note: ADENOMA TGLs = 2-10
Thyroid Gland

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 13

TRT#: 5

SEX: Male

DAY ON TEST: 695

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Ductus Deferens
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Liver	Lung	Mesentery
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Tooth	Trachea	Ureter	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex Medulla	Degeneration Pheochromocytoma Benign	Fatty, Mild
Brain		Compression Hydrocephalus	Mild
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 4-1]			
Mammary Gland		Hyperplasia	Cystic, Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-5		
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Moderate
Skin		Keratoacanthoma	
Note: KERATOACANTHMA	TGLs = 1-13		
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
Note: ADENOMA	TGLs = 3-12		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 13

TRT#: 5

SEX: Male

DAY ON TEST: 695

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF MORBIDITY:PITUITARY GLD ADENOMA

Animal Note: WITH RESULTANT COMPRESSION OF HYPOTHALMUS

Animal Note: AND MILD HYDROCEPHALUS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 624

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Ductus Deferens	Epididymis
Esophagus	Harderian Gland	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mesentery	Parathyroid Gland	Peripheral Nerve	Prostate
Salivary Glands	Skeletal Muscle	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Ureter	Urinary Bladder

MISSING

Lymph Node - Mesenteric

AUTO PRECLUDES DIAG.

Intestine Large - Cecum Intestine Small - Ileum

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 3-1]			
Liver		Degeneration	Cystic, Minimal
Mammary Gland		Hyperplasia	Cystic, Mild
Nose		Inflammation	Chronic Active, Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA TGLs = 1-12			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA TGLs = 2-10			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:-UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 14

TRT#: 3

SEX: Male

DAY ON TEST: 641

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland

Cortex

Degeneration

Fatty, Mild

Medulla

Hyperplasia

Minimal

Liver

Degeneration

Cystic, Minimal

Lymph Node

Note: HISTOPATHOLOGICALLY.

Note: TGL#3-NCL-MESENTERIC L N CONSIDERED TO BE WNL

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 1-3

Spleen

Fibrosis

Minimal

Testes

Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Mild

Note: ADENOMA TGLs = 2-4

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY: PITUITARY GLAND ADENOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 14

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mesentery	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Tooth	Trachea
Ureter	Urethra	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow	Medulla	Pheochromocytoma Benign	
	Femoral	Leukemia Mononuclear	
	Vertebral	Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	Chronic, Mild
		Nephropathy	
Liver		Leukemia Mononuclear	
	Note: LEUKEMIA MONUC TGLs = 4-4		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7]			
Mammary Gland		Hyperplasia	Cystic, Mild
Nose		Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 14	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 726 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-4			
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
Note: ADENOMA TGLs = 3-10			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 515

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Ductus Deferens	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Mesentery	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Spinal Cord	Testes
Thymus	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Moderate
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Marked
Liver		Fatty Change	Marked
		Inflammation	Necrotizing, Marked
Note: FATTY CHANGE TGLs = 2-4			
Note: FOREIGN MATERIAL, WHICH LOOKED LIKE FOOD			
Note: HISTOPATHOLOGICALLY, WAS IN THE CENER OF THE			
Note: INFLAMMATORY MASS ATTACHED TO THE LIVER.			
Note: INFLAMMATION TGLs = 3-12			
Mammary Gland		Hyperplasia	Cystic, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-7			
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Inflammation	Chronic Active, Mild
	Glandular	Necrosis	Coagulative, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:35
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 515

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: ADHESION TO LEFT LOBE OF THE LIVER.

Animal Note: GASTRIC PERFORATION WITH INFLAMMATORY

Animal Note: CAUSE OF MORBIDITY:PITUITARY ADENOMA,

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 15

TRT#: 3

SEX: Male

DAY ON TEST: 515

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Epididymis	Esophagus	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Mesentery	Nose
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Tooth	Trachea		

MISSING

Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Brain		Compression	
		Hydrocephalus	Mild
Heart		Cardiomyopathy	Chronic, Moderate
Islets, Pancreatic		Vacuolization Cytoplasmic	Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Clear Cell Focus	
Lung		Granuloma	Mild
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-7		
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Marked
Note: INFLAMMATION	TGLs = 1-12		
Seminal Vesicle		Inflammation	Chronic Active, Marked
Note: INFLAMMATION	TGLs = 2-13		
Urinary Bladder		Inflammation	Chronic Active, Marked
Note: INFLAMMATION	TGLs = 3-6		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 15

TRT#: 3

SEX: Male

DAY ON TEST: 515

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: AND SEMINAL VESICULITIS.

Animal Note: HYDROCEPHALUS.ALSO, CHRONIC-ACTIVE PROSTATITIS

Animal Note: CAUSE OF MORBIDITY:PITUITARY ADENOMA WITH

Animal Note: RESULTANT COMPRESSION OF HYPOTHALMUS AND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:35

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 15

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Coagulating Gland	Epididymis
Esophagus	Harderian Gland	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Mesentery	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Ureter
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Moderate
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Moderate
Liver		Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
	Pars Intermed	Cyst	
Note: ADENOMA	TGLs = 1-5		
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Skin		Fibrosis	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
Note: ADENOMA	TGLs = 2-10		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 15

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Brain	Ductus Deferens	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Ureter	Urinary Bladder		

MISSING

Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
Coagulating Gland		Inflammation	Chronic Active, Mild
Heart		Cardiomyopathy	Chronic, Moderate
Intestine Large	Colon	Parasite Metazoan	
Kidney		Cyst	
		Nephropathy	Chronic, Marked
Note: CYST TGLs = 5-12 [Nephropathy TGLS = 4-1]			
Liver		Degeneration	Cystic, Minimal
		Leukemia Mononuclear	
Lymph Node	Mandibular	Cyst	
Preputial Gland		Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 1-10			
Spinal Cord	White Matter	Degeneration	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Sarcoma	
Note: TGL#3-NCL:-SPLENIC CYST			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 16	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: NOT APPARENT HISTOPATHOLOGICALLY.

Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
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Note: ADENOMA TGLs = 2-10

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 16	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
Spleen		Fibrosis	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
		Mineralization	Minimal

Note: ADENOMA TGLs = 1-3

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 16

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Brain
Coagulating Gland	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland	Mesentery
Parathyroid Gland	Penis	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Tooth	Trachea
Urethra	Urinary Bladder		

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex Cortex Medulla	Degeneration Hyperplasia Pheochromocytoma Benign	Fatty, Minimal Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Cyst Leukemia Mononuclear Nephropathy	Chronic, Marked
Note: CYST TGLs = 2-1 [Nephropathy TGLS = 3-1]			
Liver		Degeneration Leukemia Mononuclear Necrosis Inflammation	Cystic, Mild Coagulative, Mild Chronic, Mild
Lung	Interstitialium		
Note: INFLAMMATION TGLs = 5-2			
Lymph Node	Mandibular	Leukemia Mononuclear	
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Preputial Gland		Inflammation	Chronic Active, Minimal
Prostate		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 16	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Spinal Cord	White Matter	Degeneration	Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-12			
Testes	Bilateral, Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia	Marked Mild
Note: ADENOMA TGLs = 4-10			
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Brain
Coagulating Gland	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Mesentery
Pancreas	Peripheral Nerve	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tooth	Ureter	Urethra
Urinary Bladder			

MISSING

Thymus

INSUFFICIENT TISSUE

Eye

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 5-7			
Eye			
Note: TGL#1-NCL-LENS WAS LOST DURING SECTIONING			
Note: AND REMAINING TISSUE INSUFFICIENT TO MAKE DIAGNOSIS.			
Heart	Atrium	Cardiomyopathy	Chronic, Moderate
		Thrombosis	
Note: THROMBUS TGLs = 2-4			
Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-1+12]			
Lung	Mediastinum	Inflammation	Chronic Active, Marked
	Artery, Mediastinum	Necrosis	Fibrinoid, Mild
Lymph Node	Mesenteric	Infiltration Cellular	Histiocyte, Moderate
Note: INFILTRAT CELL TGLs = 7-13			
Mammary Gland		Hyperplasia	Cystic, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Nose	Nasolacrim Dct	Inflammation	Chronic, Marked
Parathyroid Gland		Adenoma	
Spleen		Hematopoietic Cell Proliferation	Minimal
Note: TGL#6-NCL-ENLARGEMENT,AS NOTED AT NECROPSY,PROBABLY DUE			
Note: ENGORGEMENT WITH BLOOD.			
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy Mineralization	Moderate Minimal
Note: ADENOMA TGLs = 3-10			
Trachea		Inflammation	Chronic Active, Marked

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Liver

Spleen

OBSERVATIONS

Testes

Bilateral, Interstit Cell
Seminif Tub

Adenoma
Atrophy
Hyperplasia

Marked
Minimal

Note: ADENOMA TGLs = 1-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 17

TRT#: 5

SEX: Male

DAY ON TEST: 367

DOSE: 12 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Coagulating Gland	Ductus Deferens
Epididymis	Esophagus	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Mesentery	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Ureter	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Mammary Gland		Hyperplasia	Cystic, Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Minimal
Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH: UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 655

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Brain	Coagulating Gland
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mesentery	Nose	Pancreas
Parathyroid Gland	Penis	Peripheral Nerve	Preputial Gland
Skeletal Muscle	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Tooth	Trachea
Ureter	Urethra		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
	Vertebral	Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-7		
Note: LEUKEMIA MONUC	TGLs = 4-14		
Note: LEUKEMIA MONUC	TGLs = 5-13		
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST	TGLs = 1-5		
Prostate		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18	TRT#: 1	SEX: Male	DAY ON TEST: 655
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Salivary Glands		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-4		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Moderate
	Interstit Cell	Hyperplasia	Mild
		Mesothelioma Malignant	
		Mineralization	Minimal
Note: ADENOMA	TGLs = 7-10		
Thymus		Leukemia Mononuclear	
Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

Animal Note: CAUSE OF DEATH:

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 18

TRT#: 3

DOSE: 6 MG/KG

SEX: Male

DISP: Dead

DAY ON TEST: 690

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Seminal Vesicle

Spleen

OBSERVATIONS

Kidney

Nephropathy

Chronic, Marked

Note: NEPHROPATHY TGLs = 4-5+6

Liver

Leukocytosis

Sem Ves

Note: TGL#2-NCL-SEMINAL VESICLES CONSIDERED TO BE WNL

Note: DUE TO ENGORGEMENT WITH SECRETION.

Note: HISTOPATHOLOGICALLY.ENLARGEMENT,AS NOTED AT NECROPSY,

Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Marked

Hyperplasia

Minimal

Note: ADENOMA TGLs = 1-3

Urinary Bladder

Inflammation

Chronic Active, Mild

Note: INFLAMMATION TGLs = 3-4

PRIMARY CAUSE OF DEATH

-

Animal Note: TRACT INFECTION.

Animal Note: CAUSE OF DEATH:UNDETERMINED.POSSIBLE URINARY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 18

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Ductus Deferens	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mesentery	Peripheral Nerve	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Ureter	Urethra	Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
Note: NEPHROPATHY	TGLs = 5-1		
Liver		Degeneration	Cystic, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-4		
Lung	Interstitial	Inflammation	Chronic, Moderate
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-2+13		
Note: LEUKEMIA MONUC	TGLs = 7-14		
Mammary Gland		Hyperplasia	Cystic, Minimal
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 18

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland

Inflammation

Chronic Active, Mild

Prostate

Inflammation

Chronic Active, Mild

Sem Ves

Note: TO BE WNL HISTOPATHOLOGICALLY.

Note: TGL#6-NCL:-SEMINAL VESICLES CONSIDERED

Spleen

Fibrosis

Moderate

Leukemia Mononuclear

Note: FIBROSIS TGLs = 2-4

Stomach

Note: TGL#8-NCL:-STOMACH CONSIDERED TO

Note: BE WNL HISTOPATHOLOGICALLY.

Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Marked

Interstit Cell

Hyperplasia

Mild

Mineralization

Minimal

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 593

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Epididymis	Esophagus
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Mesentery	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Ureter	Urinary Bladder		

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Lung		Carcinosarcoma	
Note: CARCINOSARC	TGLs = 3-3+12		
Lymph Node	Mediastinal	Carcinosarcoma	Metastatic (Lung)
Note: CARCINOSARC	TGLs = 4-2		
Mammary Gland		Hyperplasia	Cystic, Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-7		
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Moderate
Spleen			
Note: HISTOPATHOLOGICALLY.			
Note: TGL#1-NCL:-SPLEEN CONSIDERED TO BE WNL			
Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 593

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: CARCINOMA WITH INTRATHORACIC METASTASES.

Animal Note: CAUSE OF DEATH:PULMONARY SQUAMOUS CELL

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 19

TRT#: 3
DOSE: 6 MG/KG

SEX: Male
DISP: Moribund

DAY ON TEST: 676
HISTO:

OBSERVATIONS

Adrenal Gland

Cortex
Medulla
Cortex
Medulla

Degeneration
Hyperplasia
Hypertrophy
Pheochromocytoma Benign

Fatty, Mild
Moderate
Mild

Note: PHEOCHROM BGN TGLs = 3-2

Heart

Atrium

Thrombosis

Note: THROMBUS TGLs = 4-4

Kidney

Leukemia Mononuclear
Nephropathy

Chronic, Marked

Note: NEPHROPATHY TGLs = 2-3

Liver

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 1-1

Spleen

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 19

TRT#: 5

SEX: Male

DAY ON TEST: 548

DOSE: 12 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Coagulating Gland	Epididymis
Esophagus	Eye	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mesentery	Nose
Parathyroid Gland	Peripheral Nerve	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Ureter	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Necrosis	Coagulative, Moderate
Bone Marrow	Femoral	Leukemia Mononuclear	
	Vertebral	Leukemia Mononuclear	
Brain		Thrombosis	
Eye			
Note: TO BE WNL HISTOPATHOLOGICALLY. YELLOW COLOR, AS			
Note: NOTED AT NECROPSY, PROBABLY DUE TO JAUNDICE SECONDARY			
Note: TO SYSTEMIC MONONUCLEAR LEUKEMIA.			
Note: TGL#6-NCL:-SECTION OF EYES EXAMINED CONSIDERED			
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 5-1]			
Liver		Leukemia Mononuclear	
		Necrosis	Coagulative, Marked
Note: NECROSIS TGLs = 4-4			
Note: LEUKEMIA MONUC TGLs = 4-4			
Lung		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 19	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Dead	DAY ON TEST: 548 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Mammary Gland		Hyperplasia	Cystic, Minimal
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Adenoma Inflammation	Chronic Active, Minimal
Note: ADENOMA	TGLs = 1-13		
Spleen		Fibrosis Leukemia Mononuclear	Marked
Note: FIBROSIS	TGLs = 3-1		
Note: LEUKEMIA MONUC	TGLs = 3-1		
Testes	Bilateral, Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia	Moderate Mild
Note: ADENOMA	TGLs = 2-10		

PRIMARY CAUSE OF DEATH -

Animal Note: HEPATIC NECROSIS.

Animal Note: CAUSE OF DEATH:MONONUCLEAR LEUKEMIA,

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 410

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Coagulating Gland	Epididymis	Esophagus
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Mesentery	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Tooth	Trachea
Ureter	Urinary Bladder		

MISSING

Lymph Node - Mesenteric	Mammary Gland	Peripheral Nerve
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OBSERVATIONS

Brain		Hydrocephalus	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-6		
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:PITUITARY GLD

Animal Note: ADENOMA AND ASSOCIATED HYDROCEPHALUS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 20	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 6 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Medulla	Hyperplasia	Mild
Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 2-4		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
		Mineralization	Minimal
Note: ADENOMA	TGLs = 1-3		
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 20

TRT#: 5

SEX: Male

DAY ON TEST: 722

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Ear	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Mesentery	Nose
Pancreas	Peripheral Nerve	Seminal Vesicle	Skeletal Muscle
Skin	Spinal Cord	Spleen	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Ureter			

MISSING

Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Brain		Compression	
Heart		Cardiomyopathy	Chronic, Moderate
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-1+15]			
Liver		Necrosis	Coagulative, Moderate
Mammary Gland		Adenoma	
		Hyperplasia	Cystic, Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 5-5			
Preputial Gland		Adenoma	
		Hyperplasia	Moderate
		Inflammation	Chronic Active, Moderate
Note: ADENOMA TGLs = 1-13+14			
Note: HYPERPLASIA TGLs = 2-13			
Prostate		Inflammation	Chronic Active, Moderate
Salivary Glands		Inflammation	Chronic Active, Mild
Skin			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 20	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 722 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#1:-SKIN MASS INVOLVING PREPUSE, AS NOTED AT

Note: NECROPSY, IS PREPUTIAL GLD ADENOMA HISTOPATHOLOGICALLY.

Stomach	Forestomach	Inflammation	Chronic Active, Moderate
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
		Mineralization	Minimal
Note: ADENOMA TGLs = 3-10			
Urinary Bladder	Transit Epithe	Hyperplasia	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: CONTRIBUTING FACTORS:HEPATIC NECROSIS,PROSTATITIS

Animal Note: RESULTANT COMPRESSION OF HYPOTHALMUS.

Animal Note: CAUSE OF MORBIDITY:PITUITARY GLD ADENOMA AND

Animal Note: AND PREPUTIAL GLD ADENOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 695

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Coagulating Gland	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mesentery	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Urethra

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
	Vertebral	Leukemia Mononuclear	
Brain		Hemorrhage	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-5		
Note: HEMORRHAGE	TGLs = 5-5		
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
[Leukemia Mononuclear TGLS = 3-1]			
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-4		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Marked
Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21	TRT#: 1	SEX: Male	DAY ON TEST: 695
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA	TGLs = 1-5		
Preputial Gland		Inflammation	Chronic Active, Minimal
Prostate		Inflammation	Chronic Active, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-4		
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Mild
	Interstit Cell	Hyperplasia	Minimal
		Mineralization	Minimal
Thyroid Gland	C Cell	Hyperplasia	Minimal
Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

Animal Note: CAUSE OF MORBIDITY:

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 21

TRT#: 3

SEX: Male

DAY ON TEST: 408

DOSE: 6 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Epididymis	Esophagus
Mammary Gland	Mesentery	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Stomach - Forestomach	Testes
Thymus	Tooth	Urinary Bladder	

MISSING

Harderian Gland	Lymph Node - Mesenteric
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Pancreas	Spinal Cord
Spleen	Stomach - Glandular	Thyroid Gland	

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Moderate
	Atrium	Thrombosis	
Intestine Large	Rectum	Inflammation	Chronic Active, Marked
Note: INFLAMMATION TGLs = 1-11			
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatodiaphragmatic Nodule	
		Necrosis	Coagulative, Moderate
Note: TGL#3-NCL-NODULE,LEFT LOBE, AS NOTED AT NECROPSY,			
Note: ANOM HEPAT LOB TGLs = 2-12			
Note: WAS NOT APPARENT HISTOPATHOLOGICALLY.			
Lung		Bacterium	
		Inflammation	Chronic Active, Marked
Lymph Node	Mediastinal	Inflammation	Chronic Active, Marked
Nose		Inflammation	Suppurative, Mild
Preputial Gland		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Dead	DAY ON TEST: 408 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Prostate	Inflammation	Chronic Active, Marked
Skin	Inflammation	Chronic Active, Mild
Trachea	Inflammation	Chronic Active, Marked
Urin Bladder		

Note: HISTOPATHOLOGICALLY.
Note: TGL#1-NCL-INVOLVEMENT OF URINARY BLADDER NOT SEEN

PRIMARY CAUSE OF DEATH -

Animal Note: PROBABLY DUE TO INHALATION OF STOMACH CONTENTS.
Animal Note: NECROTIZING TRACHEITIS, BRONCHITIS AND PNEUMONIA
Animal Note: EXTENDING TO INVOLVE THE SEROSA OF THE RECTUM.
Animal Note: CAUSE OF DEATH: MARKED CHRONIC-ACTIVE PROSTATITIS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Coagulating Gland	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Mesentery	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Ureter	Urinary Bladder		

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Eye	Retina	Atrophy	Marked
	Lens	Cataract	Moderate
[Cataract TGLS = 1-12]			
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Cyst	
		Nephropathy	Chronic, Moderate
Note: CYST TGLs = 3-14			
[Nephropathy TGLS = 4-1+14]			
Mammary Gland		Hyperplasia	Cystic, Minimal
Preputial Gland		Inflammation	Chronic Active, Minimal
Spinal Cord	White Matter	Degeneration	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
		Mineralization	Minimal

Note: ADENOMA TGLs = 2-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 674

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	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
Parathyroid Gland	Peripheral Nerve	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urethra	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Bilateral, Medulla	Pheochromocytoma Benign	
Note: LEUKEMIA MONUC	TGLs = 7-7		
Note: LEUKEMIA MONUC	TGLs = 7-7		
Note: PHEOCHROM BGN	TGLs = 7-7		
Brain		Hemorrhage	Moderate
		Leukemia Mononuclear	
Note: HEMORRHAGE	TGLs = 5,6-5		
Note: LEUKEMIA MONUC	TGLs = 5,6-5		
Heart		Cardiomyopathy	Chronic, Minimal
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-4		
Lung	Alveolar Epith	Hyperplasia	Adenomatous, Moderate
		Leukemia Mononuclear	
Note: HYPERPLASIA	TGLs = 9-3		
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 22

TRT#: 1

SEX: Male

DAY ON TEST: 674

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Mammary Gland		Hyperplasia	Cystic, Moderate
Mesentery		Leukemia Mononuclear	
Nose		Leukemia Mononuclear	
Pancreas	Acinus	Atrophy	Marked
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic Active, Mild
Note: INFLAMMATION	TGLs = 8-10		
Spinal Cord		Hemorrhage	Acute, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-12		
Stomach			
Note: CONSIDERED TO BE WNL HISTOPATHOLOGICALLY.			
Note: TGL#10-NCL:-SECTIONS OF STOMACH EXAMINED WERE			
Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstitial Cell	Hyperplasia	Minimal
		Mineralization	Minimal
Note: NECROPSY WHEN COMPARED WITH THE LEFT TESTICLE			
Note: ADENOMA	TGLs = 1-12		
Note: TGL#2-NCL:-RIGHT TESTICLE CONSIDERED TO BE WNL			
Note: SIZE-WISE. IT PROBABLY APPEARED TO BE SMALLER AT			
Note: WHICH WAS ENLARGED DUE TO THE INTERSTITIAL CELL ADENOMAS.			
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 22	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 6 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 5-6			
Liver		Basophilic Focus	
Note: TGL#4-NCL-LINEAR DEFORMITY, AS NOTED AT NECROPSY, NOT APPARENT HISTOPATHOLOGICALLY.			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 6-7			
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 2-4			
Note: TUMOR IS ULCERATED AND INFLAMMED.			
Note: EPIDERMAL SURFACE COVERING CUTANEOUS BASAL CELL ADENOMA			
Note: KERATOACANTHMA TGLs = 1-3			
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
		Mineralization	Minimal

[Adenoma TGLS = 3-5]

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY: MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 22

TRT#: 5

SEX: Male

DAY ON TEST: 425

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Coagulating Gland	Epididymis	Esophagus
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Mesentery	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Testes	Thymus
Tooth	Trachea	Ureter	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Peripheral Nerve
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OBSERVATIONS

Brain		Compression	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Mammary Gland		Hyperplasia	Cystic, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-6		
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: RESULTANT COMPRESSION OF HYPOTHALMUS.

Animal Note: CAUSE OF MORBIDITY:PITUITARY GLD ADENOMA AND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	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	Mesentery	Pancreas	Parathyroid Gland
Peripheral Nerve	Prostate	Salivary Glands	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Urethra	Urinary Bladder		

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Lymph Node	Bronchial	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Minimal
Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland		Inflammation	Chronic Active, Mild
Spinal Cord	White Matter	Degeneration	Mild
Spleen			
Note: TGL#2-NCL:-SPLEEN WAS CONGESTED BUT CONSIDERED			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 23	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
OBSERVATIONS			
Adrenal Gland	Cortex Cortex Medulla	Degeneration Hyperplasia Hyperplasia	Fatty, Minimal Mild Mild
Kidney		Cyst Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 4-5			
Liver		Inflammation	Chronic, Mild
Lymph Node	Mesenteric	Cyst	
Note: CYST TGLs = 3-4			
Pancreas	Artery	Inflammation	Proliferative, Moderate
Note: INFLAMMATION TGLs = 2-3			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 6-4			
Spleen		Hyperplasia	Lymphoid, Moderate
Note: HYPERPLASIA TGLs = 5-1			
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
Note: ADENOMA TGLs = 1-3			
PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 23

TRT#: 5

SEX: Male

DAY ON TEST: 655

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Epididymis	Esophagus	Harderian Gland
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Pancreas	Parathyroid Gland
Peripheral Nerve	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Ureter	Urethra
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Brain		Compression	
Harderian Gland			
Note: TGL#1-NCL:-HARDERIAN GLD CONSIDERED			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Heart		Cardiomyopathy	Chronic, Moderate
Note: HISTOPATHOLOGICALLY. ENLARGEMENT, AS NOTED AT			
Note: TGL#4-NCL:-ATRIA CONSIDERED TO BE WNL			
Note: NECROPSY, IS DUE TO CONGESTION.			
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Moderate
Liver		Inflammation	Chronic, Minimal
Lung	Interstitialium	Inflammation	Chronic, Minimal
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Mild
Note: HYPERPLASIA TGLs = 3-7			
Mesentery		Lipoma	
Note: LIPOMA TGLs = 5-12			
Nose	Nasolacrim Dct	Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 23

TRT#: 5

SEX: Male

DAY ON TEST: 655

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 2-5

Preputial Gland

Testes

Tissue NOS

Interstitial Cell

Inflammation

Hyperplasia

Chronic Active, Minimal

Mild

Note: MESENTERIC LIPOMA HISTOPATHOLOGICALLY.

Note: TGL#5-MASS DESCRIBED AS TISSUE NOS AT NECROPSY IS

PRIMARY CAUSE OF DEATH

-

Animal Note: RESULTANT COMPRESSION OF HYPOTHALMUS.

Animal Note: CAUSE OF MORBIDITY:PITUITARY GLD ADENOMA WITH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 24

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mesentery	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Ureter	Urethra	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Marked
Liver		Basophilic Focus	
Lymph Node	Mandibular	Cyst	
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Moderate
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Spinal Cord	White Matter	Degeneration	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Spleen
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY	TGLs = 2-4		
Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
Note: ADENOMA	TGLs = 1-3		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24

TRT#: 5

SEX: Male

DAY ON TEST: 712

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	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	Mesentery	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Urinary Bladder

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 8-7			
Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
Kidney		Cyst	
		Leukemia Mononuclear	
[Nephropathy TGLS = 5-1+13]		Nephropathy	Chronic, Marked
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-4			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 9-12	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-7			
Note: LEUKEMIA MONUC TGLs = 7-12			
Nose	Nasolacrim Dct	Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 712 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Marked
Note: INFLAMMATION	TGLs = 3-10		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-4		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 2-10		
Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY:

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Brain
Coagulating Gland	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Pancreas	Parathyroid Gland	Peripheral Nerve	Prostate
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Bone Marrow	Femoral, Vertebral	Histiocytic Sarcoma	
Note: HISTIO SARC TGLs = 7-9			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Cyst	
		Nephropathy	Chronic, Mild
[Nephropathy TGLS = 3-1]			
Liver		Histiocytic Sarcoma	
Note: ONE MADE FROM RETRIMMED TISSUE.			
Note: ON ORIGINAL SLIDE OR THE			
Note: TGL#5-NCL-FOCUS, AS NOTED AT NECROPSY NOT APPARENT			
Note: HISTIO SARC TGLs = 4-12			
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 6-5			
Preputial Gland		Inflammation	Chronic Active, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 2-4			
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Seminif Tub

Atrophy

Marked

Mineralization

Minimal

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 677 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver	Spleen
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Medulla	Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-4		
Skin	Subcut Tiss	Fibroma	
Note: FIBROMA	TGLs = 1-3		

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:PITUITARY GLD ADENOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 25

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Ductus Deferens	Epididymis	Esophagus
Eye	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Mesentery	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Tooth	Trachea	Ureter	

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
Eye			
Note: BE WNL HISTOPATHOLOGICALLY.			
Note: TGL#2-NCL:-EYES CONSIDERED TO			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	
Mammary Gland		Hyperplasia	Cystic, Minimal
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Preputial Gland		Inflammation	Chronic Active, Minimal
Prostate		Inflammation	Chronic Active, Mild
Spinal Cord	White Matter	Degeneration	Minimal
Spleen			
Note: NO CORRESPONDING LESION FOR TGLS = 3-4			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA TGLs = 1-10			
Thyroid Gland	C Cell	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Tongue

Squamous Cell Papilloma

Note: PAPILLOMA SQUA TGLs = 4-14

Urinary Bladder

Inflammation

Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mesentery	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Peripheral Nerve
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Hydronephrosis	Marked
		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 4-1]			
Liver		Inflammation	Chronic, Minimal
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Note: FIBROADENOMA	TGLs = 2-12		
Preputial Gland		Hyperplasia	Marked
		Inflammation	Chronic Active, Minimal
Note: HYPERPLASIA	TGLs = 1-12		
Skin			
Note: TGL#2-SKIN MASS, INGUINAL REGION, AS NOTED AT			
Note: NECROPSY, IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Spinal Cord	White Matter	Degeneration	Mild
Spleen		Fibrosis	Minimal
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Testes

Interstit Cell

Adenoma

Seminif Tub

Atrophy

Marked

Note: ADENOMA TGLs = 3-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 26	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 726 HISTO:
OBSERVATIONS			
Adrenal Gland	Cortex Medulla Medulla	Degeneration Hyperplasia Pheochromocytoma Benign	Fatty, Mild Mild
Liver		Basophilic Focus Inflammation	Chronic, Minimal
Lymph Node Note: HYPERPLASIA TGLs = 2-4	Mandibular	Hyperplasia	Plasma Cell, Moderate
Skin Note: KERATOACANTHOMA TGLs = 1-3		Keratoacanthoma	
Spleen [Fibrosis TGLS = 4-1]		Fibrosis	Mild
Testes Note: ADENOMA TGLs = 3-4	Bilateral, Interstit Cell Perivascular	Adenoma Atrophy	Marked
<hr/>			
PRIMARY CAUSE OF DEATH		-	
<hr/>			
Animal Note: CAUSE OF MORBIDITY:UNDETERMINED.			
<hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 26

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Brain
Ductus Deferens	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Mesentery	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Spleen	Stomach - Forestomach	Stomach - Glandular
Tooth	Trachea	Ureter	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
	Medulla	Hyperplasia	Mild
	Cortex	Hypertrophy	Minimal
Heart		Cardiomyopathy	Chronic, Moderate
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1]			
Liver		Degeneration	Cystic, Minimal
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Minimal
Pancreas	Acinus	Atrophy	Minimal
Preputial Gland		Inflammation	Chronic Active, Minimal
Prostate		Inflammation	Chronic Active, Mild
Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN TGLs = 3-12			
Spinal Cord	White Matter	Degeneration	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 1-10			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 26

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27	TRT#: 1	SEX: Male	DAY ON TEST: 422
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Ductus Deferens	Epididymis
Esophagus	Islets, Pancreatic	Liver	Mesentery
Nose	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Ureter
Urinary Bladder			

MISSING

Lymph Node - Mesenteric

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum		

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM MAL TGLs = 1-11	Medulla	Pheochromocytoma Malignant	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Lung		Pheochromocytoma Malignant	Metastatic (Adrenal Gland)
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas		Inflammation	Chronic, Mild
Preputial Gland		Inflammation	Chronic Active, Minimal
Prostate		Inflammation	Chronic Active, Mild
Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 27

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Spleen

OBSERVATIONS

Adrenal Gland

Medulla

Pheochromocytoma Benign

Kidney

Cyst

Nephropathy

Chronic, Marked

Note: NEPHROPATHY TGLs = 3-4+5

Liver

Basophilic Focus

Degeneration

Cystic, Mild

Neoplastic Nodule

[Degeneration TGLS = 1-1]

Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Marked

Mineralization

Minimal

Note: ADENOMA TGLs = 2-3

Thyroid Gland

C Cell

Adenoma

Note: ADENOMA TGLs = 4-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27

TRT#: 5

SEX: Male

DAY ON TEST: 604

DOSE: 12 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mesentery	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Tooth	Trachea		

MISSING

Lymph Node - Mesenteric	Mammary Gland	Prostate	Urinary Bladder
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Necrosis	Coagulative, Moderate
Bone Marrow	Femoral	Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Moderate
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		Necrosis	Coagulative, Moderate
Note: ANOM HEPAT LOB	TGLs = 7-12		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-2+3		
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-5+7		
Note: LEUKEMIA MONUC	TGLs = 2-2		
Preputial Gland		Inflammation	Chronic Active, Minimal
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Dead	DAY ON TEST: 604 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 3-13			
Testes	Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
Note: ATROPHY TGLs = 5-10			
Note: ADENOMA TGLs = 4-10			
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:DISSEMINATED MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	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	Mesentery
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Ureter	Urethra	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Moderate
Lymph Node	Bronchial	Pigmentation	Hemosiderin, Minimal
Mammary Gland		Hyperplasia	Cystic, Minimal
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Preputial Gland		Inflammation	Chronic Active, Minimal
Prostate		Abscess	Marked
Note: ABSCESS TGLs = 2-14			
Sem Ves			
Note: CONSIDERED TO BE WNL HISTOPATHOLOGICALLY.			
Note: TGL#4-NCL:-SECTION OF SEMINAL VESICAL EXAMINED			
Spinal Cord	White Matter	Degeneration	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Forestomach	Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 3-12			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA TGLs = 1-10

Interstit Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 28	TRT#: 3	SEX: Male	DAY ON TEST: 733
	DOSE: 6 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Liver
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-4			
Spleen		Fibrosis	Mild
[Fibrosis TGLS = 2-1]			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
		Mineralization	Minimal
Note: ADENOMA TGLs = 1-3			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 28

TRT#: 5

SEX: Male

DAY ON TEST: 654

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mesentery	Pancreas	Parathyroid Gland
Peripheral Nerve	Preputial Gland	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tooth	Trachea	Urethra
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Harderian GI			
Note: TGL#2-NCL:-HARDERIAN GLD CONSIDERED			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Heart		Cardiomyopathy	Chronic, Moderate
		Leukemia Mononuclear	
Note: LOGICALLY. ENLARGEMENT AS NOTED			
Note: AT NECROPSY, IS DUE TO CONGESTION.			
Note: TGL#6-NCL:-ATRIA CONSIDERED TO BE WNL HISTOPATHO-			
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
Liver		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-4]			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 28

TRT#: 5

SEX: Male

DAY ON TEST: 654

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 4-02

Note: LEUKEMIA MONUC TGLs = 3-7

Mammary Gland

Nose

Pituitary Gland

Prostate

Note: INFLAMMATION TGLs = 8-12

Spleen

[Leukemia Mononuclear TGLS = 5-4]

Testes

Note: ADENOMA TGLs = 9-10

Note: ATROPHY TGLs = 10-10

Pars Intermed

Interstit Cell

Seminif Tub

Interstit Cell

Hyperplasia

Inflammation

Angiectasis

Inflammation

Leukemia Mononuclear

Adenoma

Atrophy

Hyperplasia

Cystic, Marked

Chronic Active, Marked

Mild

Chronic Active, Marked

Marked

Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

Animal Note: CAUSE OF MORBIDITY:

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 711

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Ductus Deferens	Epididymis
Esophagus	Eye	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mesentery	Parathyroid Gland	Penis	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Tooth	Trachea	Ureter	Urethra
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Bone Marrow	Femoral	Leukemia Mononuclear	
	Vertebral	Leukemia Mononuclear	
Brain	White Matter	Degeneration	Mild
Eye			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Note: YELLOW COLOR , AS NOTED AT NECROPSY, PROBABLY DUE TO			
Note: JAUNDICE SECONDARY TO MONONUCLEAR LEUKEMIA.			
Note: TGL#1-NC:-SECTION OF EYES EXAMINED CONSIDERED			
Heart		Cardiomyopathy	Chronic, Moderate
Intestine Large	Colon	Parasite Metazoan	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
[Leukemia Mononuclear TGLS = 3-1]			
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-12			
Lung		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29	TRT#: 1	SEX: Male	DAY ON TEST: 711
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Minimal
Preputial Gland		Inflammation	Chronic Active, Mild
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

Animal Note: DISSEMINATED MONONUCLEAR LUEKEMIA.

Animal Note: CAUSE OF MORBIDITY:

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 29

TRT#: 3

SEX: Male

DAY ON TEST: 608

DOSE: 6 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Coagulating Gland	Ductus Deferens	Epididymis	Esophagus
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Mammary Gland	Mesentery
Nose	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Ureter	Urinary Bladder	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 4-7	Medulla	Pheochromocytoma Benign	
Brain		Compression	
		Hemorrhage	Moderate
		Hydrocephalus	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland Note: ADENOMA TGLs = 1-7	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Moderate
Skin		Cyst Epithelial Inclusion	
		Inflammation	Chronic Active, Mild
		Keratoacanthoma	
[Keratoacanthoma TGLS = 2-12]			
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 29	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Dead	DAY ON TEST: 608 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA Thyroid Gland	TGLs = 3-10	Interstit Cell C Cell Follicular Cel	Hyperplasia Adenoma Hyperplasia	Mild Minimal
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PRIMARY CAUSE OF DEATH

-

Animal Note: RESULTANT HEMORRHAGE AND COMPRESSION OF THE

Animal Note: HYPOTHALMUS AND HYDROCEPHALUS.

Animal Note: CAUSE OF DEATH:PITUITARY ADENOMA WITH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 29

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mesentery
Nose	Parathyroid Gland	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Ureter	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Peripheral Nerve
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1]			
Liver		Basophilic Focus	
		Clear Cell Focus	Multiple
		Inflammation	Chronic, Mild
Lung	Interstitial	Inflammation	Chronic, Minimal
	Mediastinum	Inflammation	Chronic Active, Mild
	Artery, Mediastinum	Necrosis	Fibrinoid, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Minimal
Prostate		Inflammation	Chronic Active, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild

Note: ADENOMA TGLs = 1-10

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 29

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	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
Mesentery	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Tooth
Trachea	Ureter	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Preputial Gland		Inflammation	Chronic Active, Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked

Note: ADENOMA TGLs = 1-10+12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 30

TRT#: 3

SEX: Male

DAY ON TEST: 708

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Urinary Bladder

Liver

Seminal Vesicle

Spleen

OBSERVATIONS

Adrenal Gland
Kidney

Medulla

Hyperplasia
Nephropathy

Mild
Chronic, Moderate

Note: NEPHROPATHY TGLs = 3-5

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 4-6

Prostate

Inflammation

Chronic Active, Marked

Note: INFLAMMATION TGLs = 1-3

Sem Ves

Note: TGL#6-NCL-SEMINAL VESICLES CONSIDERED TO BE WNL

Note: HISTOPATHOLOGICALLY.

Testes

Seminif Tub
Interstit Cell

Atrophy
Hyperplasia
Mineralization

Marked
Minimal
Minimal

Note: ATROPHY TGLs = 2-4

Urin Bladder

Note: HISTOPATHOLOGICALLY.

Note: TGL#5-NCL-URINARY BLADDER WALL CONSIDERED TO BE WNL

PRIMARY CAUSE OF DEATH

-

Animal Note: CHRONIC-ACTIVE PROSTATITIS.

Animal Note: CAUSE OF MORBIDITY:PITUITARY ADENOMA,

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 30

TRT#: 5

SEX: Male

DAY ON TEST: 627

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Brain	Coagulating Gland
Ductus Deferens	Epididymis	Esophagus	Eye
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mesentery	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Tooth	Trachea
Ureter	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Blood		Leukemia Mononuclear	
		Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
	Vertebral	Leukemia Mononuclear	
Eye	Note: TGL#1-NCL:-EYES CONSIDERED TO BE WNL HISTOPATHO- Note: TO THE MONONUCLEAR LEUKEMIA. Note: PROBABLY DUE TO JAUNDICE SECONDARY Note: LOGICALLY. YELLOW COLOR, AS NOTED AT NECROPSY,		
		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
		Leukemia Mononuclear	
Kidney		Nephropathy	Chronic, Mild
		Degeneration	Cystic, Mild
Liver		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 30

TRT#: 5

SEX: Male

DAY ON TEST: 627

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-2 [Leukemia Mononuclear TGLS = 5-6]			
Mammary Gland		Hyperplasia	Cystic, Moderate
Preputial Gland		Inflammation	Chronic Active, Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-13			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
		Mineralization	Minimal
Note: ADENOMA TGLs = 3,4-10			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 31

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Brain
Coagulating Gland	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mesentery	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Tooth	Trachea	Ureter	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Moderate
Liver		Leukemia Mononuclear	
Lung	Alveolar Epith	Hyperplasia	Adenomatous, Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-7		
Mammary Gland		Hyperplasia	Cystic, Minimal
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Minimal
Preputial Gland		Inflammation	Chronic Active, Minimal
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-4		
Note: FIBROSIS	TGLs = 3-4		
Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 31	TRT#: 1	SEX: Male	DAY ON TEST: 732
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA	TGLs = 4-10		
Thyroid Gland	C Cell	Hyperplasia	Mild
Zymbal's Gland		Adenoma	
Note: ADENOMA	TGLs = 1-11		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 31	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 641 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Eye	Mesentery
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Eye			
Note: YELLOW PIGMENT,AS NOTED AT NECROPSY,PROBABLY JAUNDICE Note: SECONDARY TO MONONUCLEAR LEUKEMIA. Note: TGL#1-NCL-EYES CONSIDERED TO BE WNL HISTOPATHOLOGICALLY.			
Heart	Atrium	Cardiomyopathy Thrombosis	Chronic, Mild
Note: TGL#2-NCL-ENLARGEMENT OF VENTRICLES NOT APPARENT Note: HISTOPATHOLOGICALLY. [Cardiomyopathy TGLS = 3-4]			
Kidney		Leukemia Mononuclear Nephropathy	Chronic, Marked
Note: LEUKEMIA MONUC TGLs = 7-6			
Liver		Leukemia Mononuclear Vacuolization Cytoplasmic	Moderate
Note: LEUKEMIA MONUC TGLs = 6-1			
Mesentery			
Note: APPARENT HISTOPATHOLOGICALLY.IT WAS PROBABLY DUE TO Note: JAUNDICE SECONDARY TO THE MONONUCLEAR LEUKEMIA. Note: TGL#4-NCL-YELLOW PIGMENT,AS NOTED AT NECROPSY, NOT			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-1			
Testes	Bilateral, Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia Mineralization	Marked Mild Minimal
[Hyperplasia TGLS = 8-5]			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 31

TRT#: 3

SEX: Male

DAY ON TEST: 641

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF MORBIDITY:MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 31

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Brain
Ductus Deferens	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mesentery	Nose
Pancreas	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Tooth	Trachea	Ureter
Urethra	Urinary Bladder		

MISSING

Lymph Node - Mesenteric	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
	Medulla	Hyperplasia	Minimal
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-1+13]			
Liver		Degeneration	Cystic, Minimal
Lung	Alveolar Epith	Hyperplasia	Adenomatous, Moderate
Lymph Node			
Note: TGL#6-NCL:-RENAL L N CONSIDERED			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Note: TGL#2-NCL:-MEDIASINAL L N CONSIDERED			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Parathyroid Gland		Hyperplasia	Moderate
Preputial Gland		Inflammation	Chronic Active, Mild
Spleen		Fibrosis	Moderate
Note: FIBROSIS TGLs = 3-13			
Stomach	Glandular	Mineralization	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 31	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 708 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: ADENOMA Thyroid Gland	TGLs = 1-12	Interstit Cell C Cell	Hyperplasia Hyperplasia	Mild Mild
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PRIMARY CAUSE OF DEATH

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Animal Note: CAUSE OF MORBIDITY:CHRONIC NEPHROPATHY.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Brain
Coagulating Gland	Epididymis	Esophagus	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Mesentery	Parathyroid Gland	Peripheral Nerve
Preputial Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Tooth
Trachea	Ureter	Urinary Bladder	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
	Medulla	Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Marked
Mammary Gland		Hyperplasia	Cystic, Minimal
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Prostate		Inflammation	Chronic Active, Mild
Skin		Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 1-13			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
		Mineralization	Minimal
Note: ADENOMA TGLs = 2-10			
Thymus		Cyst	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 32

TRT#: 3

SEX: Male

DAY ON TEST: 600

DOSE: 6 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Brain
Coagulating Gland	Epididymis	Esophagus	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mesentery
Nose	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tooth	Trachea	Ureter
Urinary Bladder			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY	TGLs = 6-1		
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-4		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-2		
	[Leukemia Mononuclear TGLS = 8-12]		
	[Leukemia Mononuclear TGLS = 9-13]		
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas	Acinus	Atrophy	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 32	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Dead	DAY ON TEST: 600 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland		Leukemia Mononuclear	
Spleen		Inflammation	Chronic Active, Mild
Note: LEUKEMIA MONUC	TGLs = 2,3,4-14+15	Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
		Mineralization	Minimal
Note: ADENOMA	TGLs = 1-10		
Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

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Animal Note: CAUSE OF DEATH:MONONUCLEAR LEUKEMIA.

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 32

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Coagulating Gland	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mesentery	Nose	Parathyroid Gland	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Tooth	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Peripheral Nerve	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Bone Marrow	Femoral	Leukemia Mononuclear	
	Vertebral	Leukemia Mononuclear	
Brain		Compression	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Moderate
Pancreas	Acinus	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-5			
Preputial Gland		Inflammation	Chronic Active, Minimal
Prostate		Inflammation	Chronic Active, Moderate
Spinal Cord	White Matter	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 32	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Spleen Note: LEUKEMIA MONUC TGLs = 2-4		Leukemia Mononuclear	
Testes Note: ADENOMA TGLs = 3-10	Bilateral, Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia	Marked Mild
Thyroid Gland	C Cell C Cell	Adenoma Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Brain	Ductus Deferens	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Liver
Lung	Mesentery	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Prostate	Salivary Glands
Skeletal Muscle	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tooth	Trachea	Ureter
Urethra	Urinary Bladder		

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Marked
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Skin		Keratoacanthoma	
Note: KERATOACANTHMA TGLs = 1-12			
Spleen		Hematopoietic Cell Proliferation	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
		Mineralization	Mild

Note: ADENOMA TGLs = 2-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 33

TRT#: 3

SEX: Male

DAY ON TEST: 596

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Coagulating Gland	Epididymis	Esophagus	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mesentery	Nose	Pancreas	Peripheral Nerve
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Spinal Cord	Spleen	Stomach - Glandular	Thymus
Tooth	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Brain		Compression	
		Hydrocephalus	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1]			
Liver		Vacuolization Cytoplasmic	Moderate
Mammary Gland		Hyperplasia	Cystic, Marked
Parathyroid Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-7		
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Stomach	Epithelium, Forestomach	Hyperplasia	Moderate
	Forestomach	Inflammation	Chronic Active, Moderate
Testes	Interstit Cell	Hyperplasia	Minimal
Note: TGL#1-NCL-TESTES DID NOT APPEAR TO BE			
Note: EXCESSIVELY SMALL HISTOPATHOLOGICALLY.			
Thyroid Gland	Follicular Cel	Hyperplasia	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 33

TRT#: 3

SEX: Male

DAY ON TEST: 596

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: RESULTANT COMPRESSION OF HYPOTHALMUS

Animal Note: CAUSE OF MORBIDITY:PITUITARY ADENOMA WITH

Animal Note: AND HYDROCEPHALUS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 33

TRT#: 5

SEX: Male

DAY ON TEST: 719

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mesentery	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Tooth	Trachea
Urethra	Urinary Bladder		

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow	Medulla	Pheochromocytoma Benign	
	Femoral	Leukemia Mononuclear	
	Vertebral	Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
Kidney		Cyst	
		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
Liver		Degeneration	Cystic, Marked
		Leukemia Mononuclear	
Note: TGL#8-NCL:-HEPATIC CYST, MEDIAN LOBE, AS NOTED AT			
Note: DEGEN TGLs = 7-4			
Note: NECROPSY, NOT APPARENT HISTOPATHOLOGICALLY.			
Note: LEUKEMIA MONUC TGLs = 5-4			
Lung		Leukemia Mononuclear	
	Note: LEUKEMIA MONUC TGLs = 9-2+3		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 33	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 719 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Mandibular Mediastinal	Leukemia Mononuclear Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Minimal
Skin		Keratoacanthoma	
Note: KERATOACANTHMA	TGLs = 1-12		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-4		
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
Note: ADENOMA	TGLs = 2,3-10		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 554

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Brain
Ductus Deferens	Epididymis	Esophagus	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mesentery	Nose	Parathyroid Gland
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Tooth
Trachea	Ureter	Urethra	Urinary Bladder

MISSING

Peripheral Nerve

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
	Medulla	Hyperplasia	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
Liver		Leukemia Mononuclear	
		Necrosis	Coagulative, Mild
Note: LEUKEMIA MONUC	TGLs = 4-4		
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hemorrhage	Marked
	Mesenteric	Hemorrhage	Moderate
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	

Note: HEMORRHAGE TGLs = 2,5-2+12

Note: LEUKEMIA MONUC TGLs = 1,2,5-2+5+7+12

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 34	TRT#: 1 DOSE: VEHICLE CONTROL	SEX: Male DISP: Dead	DAY ON TEST: 554 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic Active, Minimal
Prostate		Inflammation	Chronic Active, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-12			
Testes	Interstit Cell	Hyperplasia	Minimal
		Mineralization	Minimal
Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

Animal Note: CAUSE OF DEATH:

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 34

TRT#: 3

SEX: Male

DAY ON TEST: 379

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Coagulating Gland	Epididymis	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Mesentery	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Ureter
Urinary Bladder			

MISSING

Harderian Gland	Lymph Node - Mesenteric
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OBSERVATIONS

Brain		Glioma Malignant	
		Hydrocephalus	Marked
Kidney		Nephropathy	Chronic, Minimal
Liver		Inflammation	Chronic, Minimal
Mammary Gland		Hyperplasia	Cystic, Minimal
Preputial Gland		Inflammation	Chronic Active, Mild
Testes	Interstit Cell	Hyperplasia	Minimal
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: RESULTANT HYDROCEPHALUS.

Animal Note: CAUSE OF MORBIDITY: MALIGNANT GLIOMA AND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 34

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Ureter	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
Eye		Hemorrhage	Marked
Note: HEMORRHAGE	TGLs = 3-12		
Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 2-1]			
Liver		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Preputial Gland		Inflammation	Chronic Active, Moderate
Prostate		Inflammation	Chronic Active, Mild
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA	TGLs = 1-10		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 34

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Brain
Coagulating Gland	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mesentery	Pancreas
Parathyroid Gland	Peripheral Nerve	Preputial Gland	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Ureter	Urinary Bladder		

MISSING

Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex Medulla	Hyperplasia Pheochromocytoma Benign	Mild
Note: PHEOCHROM BGN TGLs = 7-7			
Heart		Cardiomyopathy Infarct	Chronic, Mild Marked
Note: INFARCT TGLs = 4-4			
Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1]			
Liver		Leukemia Mononuclear Neoplastic Nodule	
Note: NEOPLASTIC NOD TGLs = 5-4			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Cyst	
	Mandibular	Leukemia Mononuclear	
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Intermed	Cyst	
Note: ADENOMA TGLs = 6-7			
Prostate		Inflammation	Chronic Active, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35	TRT#: 1	SEX: Male	DAY ON TEST: 732
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Skin		Basal Cell Adenoma	
Note: BASAL CEL ADEN	TGLs = 1-12		
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA	TGLs = 2-10		
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin	Spleen
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Mild
Liver		Basophilic Focus	
		Vacuolization Cytoplasmic	Minimal
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 1-3		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
		Mineralization	Minimal
Note: ADENOMA	TGLs = 2-4		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 35

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Brain	Coagulating Gland
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mesentery	Pancreas	Parathyroid Gland
Peripheral Nerve	Prostate	Seminal Vesicle	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Tooth	Trachea	Ureter	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Mammary Gland	Salivary Glands
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Mild
Bone Marrow	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Femoral	Leukemia Mononuclear	
	Vertebral	Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Moderate
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
		Leukemia Mononuclear	
Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4]		
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
Preputial Gland		Inflammation	Chronic Active, Mild
Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-4]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia	Marked Mild
Note: ADENOMA	TGLs = 2-10		
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 719

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Brain
Coagulating Gland	Epididymis	Esophagus	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mesentery
Nose	Pancreas	Parathyroid Gland	Penis
Peripheral Nerve	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tooth	Trachea	Ureter
Urethra	Urinary Bladder		

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
	Cortex	Hyperplasia	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Moderate
Note: CATARACT	TGLs = 6-15		
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
[Leukemia Mononuclear TGLS = 2-1+12]			
[Nephropathy TGLS = 2-1+12]			
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-13		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 36	TRT#: 1	SEX: Male	DAY ON TEST: 719
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 5-2			
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
Preputial Gland		Inflammation	Chronic Active, Minimal
Prostate		Inflammation	Chronic Active, Mild
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-4			
Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
		Mineralization	Minimal
Note: ADENOMA TGLs = 4-10			
Note: HYPERPLASIA TGLs = 4-10			
Thymus		Cyst	

PRIMARY CAUSE OF DEATH -

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

Animal Note: CAUSE OF DEATH:

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 36	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 726 HISTO:
OBSERVATIONS			
Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Kidney		Inflammation	Chronic, Moderate
		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY	TGLs = 6-6		
Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 5-1]			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 8-7		
Lymph Node	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-4		
Preputial Gland		Adenoma	
		Inflammation	Chronic Active, Mild
Note: ADENOMA	TGLs = 3-4		
Skin		Keratoacanthoma	
Note: KERATOACANTHMA	TGLs = 1-3		
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 2-1]			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA	TGLs = 4-5		

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY:MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 36

TRT#: 5

SEX: Male

DAY ON TEST: 690

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Coagulating Gland	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mesentery
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Brain		Carcinoma	Metastatic (Pituitary Gland)
		Compression	
		Hemorrhage	Marked
Note: HEMORRHAGE	TGLs = 4-5+15		
Note: COMPRESSION	TGLs = 4-5+15		
Note: CARCINOMA	TGLs = 4-5+15		
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Marked
Liver		Degeneration	Cystic, Minimal
Mammary Gland		Hyperplasia	Cystic, Moderate
Pituitary Gland	Pars Distalis	Carcinoma	
Note: CARCINOMA	TGLs = 3-5+15		
Preputial Gland		Inflammation	Chronic Active, Minimal
Prostate		Inflammation	Chronic Active, Mild
Skin	Sebaceous GI	Adenoma	
Note: ADENOMA	TGLs = 1-12		
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Fibrosis	Mild
		Pigmentation	Hemosiderin, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 36	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 690 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia	Marked Minimal
Note: ADENOMA TGLs = 2-10			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: EXTENSION INTO HYPOTHALMUS AND RESULTANT

Animal Note: COMPRESSION AND HEMORRHAGE.

Animal Note: CAUSE OF MORBIDITY:PITUITARY CARCINOMA WITH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mesentery	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Ureter	Urinary Bladder		

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1]			
Liver		Basophilic Focus	
Lymph Node	Mandibular	Cyst	
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Preputial Gland		Inflammation	Chronic Active, Minimal
Prostate		Inflammation	Chronic Active, Mild
Sem Ves			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Note: TGL#4-NCL:-SEMINAL VESICLES CONSIDERED			
Spleen		Hematopoietic Cell Proliferation	Mild
Note: HEMA CELL PROL TGLs = 2-4			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA TGLs = 1-10			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Kidney		Cyst	
		Nephropathy	Chronic, Marked
Note: NEPHROPATHY	TGLs = 4-5		
Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 5-1]			
Skin		Keratoacanthoma	
Note: KERATOACANTHMA	TGLs = 1-3		
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1]			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
		Mineralization	Minimal
Note: ADENOMA	TGLs = 3-4		

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 37

TRT#: 5

SEX: Male

DAY ON TEST: 708

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Brain	Coagulating Gland	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
Mesentery	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Ureter	Urethra	Urinary Bladder	

MISSING

Preputial Gland

OBSERVATIONS

Bone Marrow	Femoral Vertebral	Leukemia Mononuclear Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Leukemia Mononuclear Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 4-1]			
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular Bronchial	Leukemia Mononuclear Pigmentation	Hemosiderin, Moderate
Mammary Gland		Adenocarcinoma	
Note: ADENOCARC TGLs = 1-12			
Pituitary Gland			
Note: APPARENT HISTOPATHOLOGICALLY.			
Note: TGL#5-NCL:-RED FOCUS, AS NOTED AT TRIM, NOT			
Prostate		Inflammation	Chronic Active, Minimal
Skin			
Note: AT NECROPSY, IS MAMMARY GLD ADENOMA HISTOPATHOLOGICALLY.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 708 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#1:SKIN MASS, RIGHT INGUINAL REGION, AS NOTED

Spleen

Testes

Bilateral, Interstit Cell
Seminif Tub

Leukemia Mononuclear

Adenoma

Atrophy

Marked

Note: ADENOMA TGLs = 2,3-10

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 719

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Brain	Coagulating Gland
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 - Mesenteric	Mesentery
Pancreas	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

MISSING

Peripheral Nerve	Thymus
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OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Blood Vessel	Mesent Artery	Mineralization	Mild
Bone	Cranium	Fibrous Osteodystrophy	
	Femur	Fibrous Osteodystrophy	
	Vertebra	Fibrous Osteodystrophy	
Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Moderate
Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 1-1+12]		
Lung		Inflammation	Chronic Active, Moderate
		Mineralization	Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Nose		Inflammation	Chronic Active, Mild
Parathyroid Gland		Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	Multiple
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Glandular	Mineralization	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38	TRT#: 1	SEX: Male	DAY ON TEST: 719
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
		Mineralization	Minimal

Note: ADENOMA TGLs = 2-10

PRIMARY CAUSE OF DEATH

-

Animal Note: CHRONIC NEPHROPATHY.

Animal Note: CAUSE OF DEATH:

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Liver	Seminal Vesicle	Spleen
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 2-4			
Prostate		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION TGLs = 5-5			
Sem Ves			
Note: TGL#4-NCL-SEMINAL VESICLES CONSIDERED TO BE WNL			
Note: TO ENGORGEMENT WITH SECRETION.			
Note: HISTOPATHOLOGICALLY.ENLARGEMENT,AS NOTED AT TRIM, DUE			
Testes	Bilateral, Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia Mineralization	Marked Mild Minimal
Note: ADENOMA TGLs = 1-3			
Urin Bladder			
Note: TGL#3-NCL-URINARY BLADDER CONSIDERED TO BE WNL			
Note: HISTOPATHOLOGICALLY.			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 38

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Ductus Deferens	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Mesentery	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Ureter	Urinary Bladder	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 2-1]			
Mammary Gland		Hyperplasia	Cystic, Minimal
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Preputial Gland		Adenoma	
Note: ADENOMA	TGLs = 4-10		
Prostate		Inflammation	Chronic Active, Minimal
Sem Ves			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Note: TGL#3-NCL:-SEMINAL VESICLES CONSIDERED			
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Fibrosis	Mild
		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA	TGLs = 1-10+12		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 38

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Brain
Coagulating Gland	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mesentery	Nose
Parathyroid Gland	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Tooth	Trachea
Ureter	Urinary Bladder		

MISSING

Lymph Node - Mesenteric	Mammary Gland	Peripheral Nerve	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
		Mineralization	Minimal
Kidney		Cyst	
		Nephropathy	Chronic, Marked
Note: CYST	TGLs = 2-1		
[Nephropathy TGLS = 3-1+12]			
Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
Lung		Inflammation	Chronic Active, Minimal
Lymph Node	Bronchial	Pigmentation	Hemosiderin, Mild
Pancreas	Acinus	Atrophy	Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Hemangioma	
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA	TGLs = 1-10		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 39

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 39	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 684 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
Liver		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-1]			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
		Mineralization	Minimal

Note: ADENOMA TGLs = 2-3

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY:MONONUCLEAR LEUKEMIA.

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 39

TRT#: 5

SEX: Male

DAY ON TEST: 487

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Coagulating Gland	Ductus Deferens	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mesenteric	Mesentery
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Ureter	Urinary Bladder

OBSERVATIONS

Brain		Astrocytoma Malignant	
Kidney		Nephropathy	Chronic, Mild
Liver		Mineralization	Mild
Mammary Gland		Hyperplasia	Cystic, Minimal
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Spleen		Pigmentation	Hemosiderin, Mild

Note: NECROPSY, NOT APPARENT HISTOPATHOLOGICALLY.

Note: TGL#3-NCL:-REASON FOR SMALL SPLEEN, AS NOTED AT

Testes	Interstitial Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstitial Cell	Hyperplasia	Mild

Note: HYPERPLASIA TGLs = 2-10

Note: ATROPHY TGLs = 1-10

Note: ADENOMA TGLs = 2-10

Thyroid Gland	C Cell	Adenoma	
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PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:MALIGNANT ASTROCYTOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 531

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Coagulating Gland	Epididymis	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Liver	Lung
Mesentery	Nose	Parathyroid Gland	Peripheral Nerve
Prostate	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spinal Cord	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Ureter	Urinary Bladder	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Esophagus Note: INFLAMMATION TGLs = 2-2		Inflammation	Necrotizing, Marked
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Lymph Node Note: DUE TO CONGESTION. Note: TGL#1-NCL:-MANDIBULAR L N CONSIDERED TO BE WNL Note: HISTOPATHOLOGICALLY.RED COLOR SEEN AT NECROPSY			
Mammary Gland		Hyperplasia	Cystic, Minimal
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Minimal
Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: RUPTURED ESOPHAGUS.

Animal Note: CAUSE OF DEATH:GAVAGE RELATED ACCIDENT.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 40

TRT#: 3

SEX: Male

DAY ON TEST: 509

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Brain
Coagulating Gland	Ductus Deferens	Epididymis	Esophagus
Eye	Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mesentery	Nose	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Ureter	Urinary Bladder		

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Eye			
Note: DUE TO JAUNDICE SECONDARY TO THE MONONUCLEAR LEUKEMIA.			
Note: YELLOW COLOR, AS NOTED AT NECROPSY, IS PROBABLY			
Note: TGL#3-NCL-EYES CONSIDERED TO BE WNL HISTOPATHOLOGICALLY.			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 40	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 509 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-14]

Testes	Seminif Tub Interstit Cell	Atrophy Hyperplasia	Mild Minimal
Thyroid Gland	C Cell	Hyperplasia	Mild

Tissue NOS

Note: TGL#1-NCL-TISSUE NOS REPRESENTS SEMINAL VESICLES AND

Note: COAGULATING GLDS,BOTH OF WHICH WERE

Note: CONSIDERED TO BE WNL HISTOPATHOLOGICALLY.

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 40

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mesentery	Nose	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 2-7			
Harderian Gland		Hemorrhage	Moderate
Note: HEMORRHAGE TGLs = 3-12			
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	
		Clear Cell Focus	
Mammary Gland		Hyperplasia	Cystic, Minimal
Preputial Gland		Inflammation	Chronic Active, Minimal
Spinal Cord	White Matter	Degeneration	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA TGLs = 1-10			
Thyroid Gland	C Cell	Carcinoma	
Note: CARCINOMA TGLs = 4-2			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 40

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 41

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mesentery	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1]			
Liver		Basophilic Focus	
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Spinal Cord	White Matter	Degeneration	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA	TGLs = 1-10		
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 41	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
OBSERVATIONS			
Adrenal Gland	Cortex Medulla Cortex Medulla	Hyperplasia Hyperplasia Leukemia Mononuclear Leukemia Mononuclear	Mild Moderate
Kidney		Cyst Leukemia Mononuclear Nephropathy	Chronic, Marked
Note: CYST TGLs = 5-5			
Liver		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 4-4			
Skin		Squamous Cell Papilloma	
Note: PAPILLOMA SQUA TGLs = 1-3			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-1]			
Testes	Bilateral, Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia Mineralization	Marked Minimal Minimal
Note: ADENOMA TGLs = 3-4			
PRIMARY CAUSE OF DEATH			
-			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 41

TRT#: 5

SEX: Male

DAY ON TEST: 726

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Brain
Coagulating Gland	Ductus Deferens	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mesentery
Pancreas	Peripheral Nerve	Pituitary Gland	Prostate
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Ureter	Urethra
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
Liver		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-13]		
Lung		Leukemia Mononuclear	
	Note: LEUKEMIA MONUC TGLs = 4-2+3		
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Fibrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 41	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 726 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 1-4 Testes	Bilateral, Interstit Cell Seminif Tub	Leukemia Mononuclear Adenoma Atrophy Mineralization	Marked Minimal
Note: ADENOMA TGLs = 2-10			

PRIMARY CAUSE OF DEATH

-

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

Animal Note: CAUSE OF MORBIDITY:

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Brain	Ductus Deferens	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Pancreas	Parathyroid Gland	Peripheral Nerve	Prostate
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Brain			
Note: IS CONSIDERED TO BE WNL HISTOPATHOLOGICALLY.			
Note: TGL#3-NCL:-SECTION OF CEREBELLUM EXAMINED			
Heart	Atrium	Cardiomyopathy Thrombosis	Chronic, Mild
Note: THROMBUS	TGLs = 1-4		
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Minimal
Preputial Gland		Inflammation	Chronic Active, Mild
Spinal Cord	White Matter	Degeneration	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA	TGLs = 2-10		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 42	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
OBSERVATIONS			
Adrenal Gland	Cortex Medulla	Hyperplasia Hyperplasia Cardiomyopathy	Mild Mild Chronic, Mild
Heart Note: CARDIOMYOPATHY TGLs = 6-7			
Kidney Note: CYST TGLs = 4-5+6		Cyst Leukemia Mononuclear Nephropathy	Chronic, Marked
Liver Note: VACUOLIZ CYTO TGLs = 5-1		Basophilic Focus Leukemia Mononuclear Vacuolization Cytoplasmic	Mild
Skin Note: PAPILLOMA SQUA TGLs = 1-3		Squamous Cell Papilloma	
Spleen [Fibrosis TGLS = 3-1]		Fibrosis Leukemia Mononuclear	Moderate
Testes Note: ADENOMA TGLs = 2-4	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy Mineralization	Marked Minimal
PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 42

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

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	Mesentery
Nose	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Ureter	Urethra	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
	Vertebral	Leukemia Mononuclear	
	Femoral	Myelofibrosis	Marked
	Vertebral	Myelofibrosis	Marked
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 2-1]		
Liver		Leukemia Mononuclear	
Lung	Alveolar Epith	Hyperplasia	Adenomatous, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Renal	Pigmentation	Hemosiderin, Mild
	Note: AS NOTED AT TRIM, NOT APPARENT HISTOPATHOLOGICALLY.		
	Note: TGL#6-NCL:-REASON FOR ENLARGED RENAL LYMPH NODE,		
Preputial Gland		Inflammation	Chronic Active, Minimal
Sem Ves			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 42	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#4-NCL-SEMINAL VESICLES CONSIDERED TO
Note: BE WNL HISTOPATHOLOGICALLY.

Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Leukemia Mononuclear Pigmentation	Hemosiderin, Mild
Testes	Bilateral, Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia	Marked Mild

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Coagulating Gland
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mesentery	Pancreas	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Ureter	Urinary Bladder

MISSING

Parathyroid Gland	Peripheral Nerve
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
Liver		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
		Neoplastic Nodule	
Note: NEOPLASTIC NOD	TGLs = 4-12		
Note: LEUKEMIA MONUC	TGLs = 3-12		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-2		
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
	Nasolacrim Dct	Squamous Cell Carcinoma	
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Pigmentation	Hemosiderin, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 43	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland		Inflammation	Chronic Active, Minimal
Prostate		Inflammation	Chronic Active, Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-4		
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
		Mineralization	Minimal
Note: ADENOMA	TGLs = 2,6-10		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 43

TRT#: 3

SEX: Male

DAY ON TEST: 733

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal Gland

Cortex

Degeneration

Fatty, Mild

Cortex

Hyperplasia

Mild

Medulla

Hyperplasia

Mild

Kidney

Nephropathy

Chronic, Moderate

Note: NEPHROPATHY TGLs = 2-4

Liver

Basophilic Focus

Inflammation

Chronic, Minimal

Spleen

Fibrosis

Minimal

Testes

Bilateral, Interstit Cell

Adenoma

Atrophy

Marked

Seminif Tub

Hyperplasia

Minimal

Interstit Cell

Note: ADENOMA TGLs = 1-3

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 43

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Coagulating Gland	Ductus Deferens
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Mesentery	Nose	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Prostate	Salivary Glands
Seminal Vesicle	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urethra	Urinary Bladder	

MISSING

Epididymis	Lymph Node - Mesenteric
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OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-4		
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas	Acinus	Atrophy	Minimal
		Pigmentation	Hemosiderin, Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
		Mesothelioma Malignant	
Note: ADENOMA	TGLs = 1,2-12		
Note: ATROPHY	TGLs = 1,2-12		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 43

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: MESOTHELIO MAL TGLs = 3-12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 725

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mesentery
Pancreas	Parathyroid Gland	Peripheral Nerve	Prostate
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Tooth	Trachea
Ureter	Urinary Bladder		

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Medulla	Hyperplasia	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Bone Marrow	Femoral	Leukemia Mononuclear	
	Vertebral	Leukemia Mononuclear	
Heart		Leukemia Mononuclear	
	Atrium	Thrombosis	
Note: THROMBUS	TGLs = 2,3-4		
Intestine Large	Colon	Parasite Metazoan	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
Liver		Degeneration	Cystic, Minimal
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-12		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 725

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Nose	Nasolacrim Dct	Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
Preputial Gland		Inflammation	Chronic Active, Minimal
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-4		
Testes	Bilateral, Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia	Marked Minimal
Note: ATROPHY	TGLs = 5-10		
Note: ADENOMA	TGLs = 4-12		
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

Animal Note: CAUSE OF MORBIDITY:

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 44

TRT#: 3

SEX: Male

DAY ON TEST: 596

DOSE: 6 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Coagulating Gland
Epididymis	Esophagus	Harderian Gland	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mesentery	Nose	Peripheral Nerve
Pituitary Gland	Seminal Vesicle	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Tooth
Trachea	Ureter	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Parathyroid Gland	Salivary Glands	Thymus
Thyroid Gland			

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Brain		Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC			
TGLs = 4-4			
Lung	Alveolar Epith	Hyperplasia	Adenomatous, Marked
		Leukemia Mononuclear	
Note: HYPERPLASIA			
TGLs = 5-2			
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas	Acinus	Atrophy	Moderate
Preputial Gland		Inflammation	Chronic Active, Minimal
Prostate		Inflammation	Chronic Active, Mild
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 44	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Dead	DAY ON TEST: 596 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Seminif Tub	Atrophy Mineralization	Marked Minimal
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Note: ADENOMA TGLs = 2,3-10
Note: HISTOPATHOLOGICALLY. IT PROBABLY APPEARED TO BE SMALL
Note: WHICH WAS GREATLY ENLARGED DUE TO THE IC ADENOMA.
Note: TGL#1-NCL-LEFT TESTICLE CONSIDERED TO BE NORMAL SIZE
Note: AT NECROPSY WHEN COMPARED WITH THE RIGHT TESTICLE

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 44

TRT#: 5

SEX: Male

DAY ON TEST: 712

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone Marrow	Brain	Coagulating Gland
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mesentery	Nose	Pancreas
Peripheral Nerve	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Thymus
Thyroid Gland	Tooth	Trachea	Urethra
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Bilateral, Medulla	Pheochromocytoma Benign	
Note: PHEOCHROM BGN TGLs = 10-7			
Bone	Cranium	Fibrous Osteodystrophy	
	Femur	Fibrous Osteodystrophy	
	Vertebra	Fibrous Osteodystrophy	
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
Note: CATARACT TGLs = 1-12			
Heart		Cardiomyopathy	Chronic, Moderate
Note: TGL#8-NCL:-ATRIA CONSIDERED TO BE WNL			
Note: HISTOPATHOLOGICALLY, ENLARGEMENT, AS			
Note: NOTED AT NECROPSY, DUE TO CONGESTION.			
Note: CARDIOMYOPATHY TGLs = 9-4			
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
[Leukemia Mononuclear TGLS = 2-1]			
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 44

TRT#: 5

SEX: Male

DAY ON TEST: 712

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node

Mandibular

Leukemia Mononuclear

Mediastinal

Leukemia Mononuclear

Mesenteric

Leukemia Mononuclear

Renal

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 6-14

Note: LEUKEMIA MONUC TGLs = 4-13

Note: LEUKEMIA MONUC TGLs = 5-2+15

Note: LEUKEMIA MONUC TGLs = 3-7

Mammary Gland

Hyperplasia

Cystic, Mild

Parathyroid Gland

Hyperplasia

Marked

Pituitary Gland

Pars Distalis

Hyperplasia

Mild

Preputial Gland

Inflammation

Chronic Active, Mild

Spinal Cord

White Matter

Degeneration

Minimal

Spleen

Leukemia Mononuclear

Stomach

Glandular

Mineralization

Moderate

Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Marked

Note: ADENOMA TGLs = 7-10

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 676

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Coagulating Gland	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 - Mesenteric	Mesentery	Nose	Parathyroid Gland
Pituitary Gland	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Spleen	Stomach - Forestomach	Stomach - Glandular	Tooth
Trachea	Ureter	Urinary Bladder	

MISSING

Peripheral Nerve	Thymus
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OBSERVATIONS

Adrenal Gland Note: PHEOCHROM MAL TGLs = 7-14	Medulla	Pheochromocytoma Malignant	
Blood Vessel Note: PROLIFERATION TGLs = 4-13	Intima, Mesent Artery	Proliferation	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Intest Large Note: CAUSE OF DEATH:MALIGNANT PHEOCHROMOCYTOMA.			
Kidney [Nephropathy TGLS = 5-1]		Nephropathy Pheochromocytoma Malignant	Chronic, Marked Metastatic (Adrenal Gland)
Lymph Node Note: TO BE WNL HISTOPATHOLOGICALLY. Note: TGL#6-NCL:-MESENTERIC L N CONSIDERED Note: TGL#9-NCL:-MANDIBULAR L N CONSIDERED Note: TO BE WNL HISTOPATHOLOGICALLY.			
Mammary Gland		Hyperplasia	Cystic, Minimal
Pancreas Note: TGL#4-PANCREATIC MASS, NOTED AT NECROPSY, IS Note: ENLARGED MESENTERIC ARTERY HISTOPATHOLOGICALLY.	Acinus	Atrophy	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 676

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gl				
Note: TGL#8-NCL:-PITUITARY CONSIDERED				
Note: TO BE WNL HISTOPATHOLOGICALLY.				
Preputial Gland			Inflammation	Chronic Active, Mild
Prostate			Inflammation	Chronic Active, Mild
Skin		Subcut Tiss	Fibroma	
Note: FIBROMA	TGLs = 1-12			
Spinal Cord		White Matter	Degeneration	Minimal
Testes		Bilateral, Interstit Cell	Adenoma	
		Seminif Tub	Atrophy	Marked
		Interstit Cell	Hyperplasia	Minimal
Note: ADENOMA	TGLs = 2,3-10			
Note: ATROPHY	TGLs = 2-10			
Thyroid Gland		C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL#7-TISSUE NOS,MASS NOTED AT NECROPSY, IS
 Animal Note: ADRENAL MEDULLARY MALIGNANT PHEOCHROMOCYTOMA
 Animal Note: HISTOPATHOLOGICALLY.
 Animal Note: CAUSE OF DEATH:MALIGNANT ADRENAL
 Animal Note: MEDULLARY PHEOCHROMOCYTOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 45

TRT#: 3

SEX: Male

DAY ON TEST: 492

DOSE: 6 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Coagulating Gland	Esophagus
Harderian Gland	Intestine Small - Duodenum	Islets, Pancreatic	Lung
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	Tooth	Trachea
Ureter			

MISSING

Lymph Node - Mesenteric

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

OBSERVATIONS

Epididymis		Mesothelioma Malignant	
Heart		Cardiomyopathy	Chronic, Mild
	Atrium	Thrombosis	
Note: THROMBUS	TGLs = 2-4		
Intestine Large	Colon	Mesothelioma Malignant	
	Rectum	Mesothelioma Malignant	
Intestine Small	Ileum	Mesothelioma Malignant	
	Jejunum	Mesothelioma Malignant	
Kidney		Nephropathy	Chronic, Mild
Liver		Necrosis	Coagulative, Moderate
Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery		Mesothelioma Malignant	
	[Mesothelioma Malignant TGLS = 5-12]		
Nose		Inflammation	Chronic Active, Mild
Pancreas		Mesothelioma Malignant	
Note: MESOTHELIO MAL	TGLs = 3-6+12		
Spleen		Hematopoietic Cell Proliferation	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 45	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Dead	DAY ON TEST: 492 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Interstitial Cell Seminif Tub Bilateral	Adenoma Atrophy Mesothelioma Malignant	Marked
Note: ADENOMA Urinary Bladder	TGLs = 4-10	Mesothelioma Malignant	

PRIMARY CAUSE OF DEATH

-

Animal Note: ALSO, HEPATIC NECROSIS.

Animal Note: CAUSE OF DEATH:MALIGNANT MESOTHELIOMA.

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 45

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Ductus Deferens	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Mesentery	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Urethra
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Peripheral Nerve
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OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 2-7	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Moderate
Kidney Note: CYST TGLs = 3-1+12 [Nephropathy TGLS = 4-1+12]		Cyst Nephropathy	Chronic, Marked
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
Mammary Gland		Hyperplasia	Cystic, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy Mineralization	Marked Minimal
Note: ADENOMA TGLs = 1-10+13			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 45

TRT#: 5

SEX: Male

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 46

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Coagulating Gland
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	Mesentery	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tooth	Trachea	Ureter
Urinary Bladder			

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Mild
Brain		Compression	
Note: COMPRESSION OF HYPOTHALMUS DUE TO PRESSURE			
Note: FROM LARGE PITUITARY GLD ADENOMA.			
Coagulat GI			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Note: TGL#5-NCL:-COAGULATING GLD CONSIDERED			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Cyst	
		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 1-1+12			
Liver		Fatty Change	Mild
Lung		Alveolar/Bronchiolar Adenoma	
Note: ALV BRON ADEN TGLs = 3-3			
Lymph Node			
Note: TGL#7-NCL:-MESENTERIC L N CONSIDERED			
Note: TO BE WNL HISTOPATHOLOGICALLY.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Nose	Nasolacrim Dct	Inflammation	Chronic, Moderate
		Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-5		
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Minimal
Sem Ves			
Note: TGL#4-NCL:-SEMINAL VESICLES CONSIDERED			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach			
Note: TGL#6-NCL:- GLANDULAR STOMACH			
Note: CONSIDERED TO BE WNL HISTOPATHOLOGICALLY.			
Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 46

TRT#: 3

SEX: Male

DAY ON TEST: 732

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

OBSERVATIONS

Adrenal Gland

Medulla

Hyperplasia

Mild

Medulla

Pheochromocytoma Benign

Note: PHEOCHROM BGN TGLs = 2-2

Kidney

Cyst

Leukemia Mononuclear

Nephropathy

Chronic, Marked

Note: CYST TGLs = 3-3

Note: NEPHROPATHY TGLs = 4-3

Liver

Degeneration

Leukemia Mononuclear

Cystic, Minimal

Note: LEUKEMIA MONUC TGLs = 6-1

Spleen

Fibrosis

Leukemia Mononuclear

Mild

[Fibrosis TGLS = 1-1]

Testes

Bilateral, Interstit Cell

Adenoma

Interstit Cell

Hyperplasia

Minimal

Note: ADENOMA TGLs = 5-4

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 46

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Brain	Coagulating Gland
Ductus Deferens	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mesentery	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Ureter
Urinary Bladder			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
	Vertebral	Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
Liver		Degeneration	Cystic, Marked
		Leukemia Mononuclear	
Note: DEGEN	TGLs = 3-4		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-2+12		
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Intermed	Cyst	
	Pars Distalis	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Minimal
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Moderate
		Mineralization	Minimal

Note: ADENOMA TGLs = 1-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 688

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mesentery
Pancreas	Parathyroid Gland	Peripheral Nerve	Prostate
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Tooth
Trachea	Urinary Bladder		

MISSING

Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
	Vertebral	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 11-9		
Brain		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 10-5		
Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 9-1]			
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 8-13		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 688

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: LEUKEMIA MONUC TGLs = 3-2+15

Note: LEUKEMIA MONUC TGLs = 2-7

Note: LEUKEMIA MONUC TGLs = 6-12

Note: LEUKEMIA MONUC TGLs = 7-12

Nose	Nasolacrim Dct	Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Adenoma	
		Inflammation	Chronic Active, Marked

Note: HYPERPLASIA TGLs = 1-14

Note: INFLAMMATION TGLs = 1-14

Skin
Note: NOTED AT NECROPSY, IS PREPUTIAL GLD.
Note: TGL#1:-SKIN MASS IN LEFT INGUINAL REGION, AS
Note: HYPERPLASIA AND INFLAMMATION HISTOPATHOLOGICALLY.

Spleen Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 4-4

Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild

Note: ADENOMA TGLs = 5-10

Thyroid Gland	C Cell	Adenoma	
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PRIMARY CAUSE OF DEATH

-

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

Animal Note: CAUSE OF MORBIDITY:

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47	TRT#: 3	SEX: Male	DAY ON TEST: 731
	DOSE: 6 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Spleen

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Cortex	Mineralization	Mild
	Medulla	Pheochromocytoma Benign	
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
Note: ADENOMA TGLs = 1-3			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 47

TRT#: 5

SEX: Male

DAY ON TEST: 732

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Brain
Coagulating Gland	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mesentery	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Prostate
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Urethra	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Moderate
	Medulla	Hyperplasia	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 4-1+12]		
Liver		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
Lung	Alveolar Epith	Hyperplasia	Adenomatous, Mild
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-5		
Preputial Gland		Inflammation	Chronic Active, Mild
Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-12]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
Note: ADENOMA Thyroid Gland	TGLs = 2-10+13 C Cell C Cell	Adenoma Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 48

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	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	Mesentery	Pancreas	Parathyroid Gland
Peripheral Nerve	Prostate	Salivary Glands	Seminal Vesicle
Skeletal Muscle	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tooth	Trachea	Ureter
Urethra	Urinary Bladder		

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Moderate
		Mineralization	Minimal
Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1+12]		
Liver		Clear Cell Focus	
		Degeneration	Cystic, Minimal
Note: DEGEN	TGLs = 5-14		
Lung	Alveolar Epith	Hyperplasia	Adenomatous, Mild
Mammary Gland		Hyperplasia	Cystic, Minimal
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Inflammation	Chronic Active, Minimal
Sem Ves			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Note: TGL#3-NCL:-SEMINAL VESICLES CONSIDERED			
Skin		Inflammation	Chronic Active, Mild
Spinal Cord	White Matter	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 48	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Bilateral, Interstit Cell Seminif Tub	Adenoma Atrophy	Marked
Note: ADENOMA TGLs = 1,4-10			
Thymus		Cyst	

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 48	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 697 HISTO:
OBSERVATIONS			
Adrenal Gland	Medulla Cortex Medulla	Hyperplasia Leukemia Mononuclear Leukemia Mononuclear	Mild
Heart Note: THROMBUS TGLs = 3-4	Atrium	Thrombosis	
Liver		Leukemia Mononuclear	
Lymph Node Note: LEUKEMIA MONUC TGLs = 4-4	Mediastinal	Leukemia Mononuclear	
Spleen [Fibrosis TGLS = 2-1]		Fibrosis Leukemia Mononuclear	Mild
Testes Note: ADENOMA TGLs = 1-3	Bilateral, Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia Mineralization	Marked Mild Minimal
PRIMARY CAUSE OF DEATH -			
Animal Note: CAUSE OF MORBIDITY:MONONUCLEAR LEUKEMIA.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 48

TRT#: 5

SEX: Male

DAY ON TEST: 654

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Coagulating Gland	Ductus Deferens	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Lung
Mesentery	Nose	Pancreas	Peripheral Nerve
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Spinal Cord	Spleen	Testes	Thymus
Tooth	Trachea	Ureter	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Moderate
	Pulmn Artery	Mineralization	Moderate
Bone	Cranium	Fibrous Osteodystrophy	
	Femur	Fibrous Osteodystrophy	
	Vertebra	Fibrous Osteodystrophy	
Brain		Compression	
Heart		Cardiomyopathy	Chronic, Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY	TGLs = 4-1+12		
Liver		Vacuolization Cytoplasmic	Moderate
Lymph Node			
Note: ON SLIDES AVAILABLE FOR HISTOPATHOLOGICAL EXAMINATION.			
Note: TGL#3-NCL:-MEDIASTINAL LYMPH NODES NOT PRESENT			
Mammary Gland		Hyperplasia	Cystic, Marked
Parathyroid Gland		Hyperplasia	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 48	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 654 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland Note: ADENOMA TGLs = 1-5	Pars Distalis	Adenoma	
Preputial Gland		Inflammation	Chronic Active, Minimal
Prostate Note: INFLAMMATION TGLs = 5-13		Inflammation	Chronic Active, Moderate
Stomach	Forestomach Glandular	Mineralization Mineralization	Mild Moderate
Testes Note: TO BE WNL HISTOPATHOLOGICALLY. Note: TGL#2-NCL:-TESTES CONSIDERED			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

Animal Note: CONTRIBUTING FACTORS: PROSTATITIS.

Animal Note: CHRONIC NEPHROPATHY AND PITUITARY ADENOMA

Animal Note: WITH RESULTANT COMPRESSION OF THE HYPOTHALMUS.

Animal Note: CAUSE OF MORBIDITY:

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 627

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Brain	Ductus Deferens
Epididymis	Esophagus	Eye	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mesentery
Nose	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skeletal Muscle	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Ureter	Urethra
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Blood		Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
	Vertebral	Leukemia Mononuclear	
Eye			
Note: TGL#1-NCL:-EYES WERE CONSIDERED TO BE WNL			
Note: AT NECROPSY, CAN BE ATTRIBUTED TO JAUNDICE			
Note: SECONDARY TO THE MONONUCLEAR LEUKEMIA.			
Note: HISTOPATHOLOGICALLY. THE YELLON COLOR, AS NOTED			
Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
Liver		Degeneration	Cystic, Mild
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 7-5			
Note: ANOM HEPAT LOB TGLs = 6-14			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 49

TRT#: 1

SEX: Male

DAY ON TEST: 627

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Mediastinal
Mesenteric

Leukemia Mononuclear
Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 8-2
[Leukemia Mononuclear TGLS = 5-6]

Mammary Gland

Hyperplasia

Cystic, Mild

Pancreas

Acinus

Atrophy

Minimal

Pituitary Gland

Pars Distalis

Hyperplasia

Mild

Leukemia Mononuclear

Preputial Gland

Inflammation

Chronic Active, Mild

Prostate

Inflammation

Chronic Active, Mild

Skin

Basosquamous Tumor Benign

Note: BASOSQU TM BGN TGLs = 2-13

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 3-15

Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Mild

Interstit Cell

Hyperplasia

Mild

Note: ADENOMA TGLs = 4-10

Thyroid Gland

C Cell

Hyperplasia

Minimal

Tooth

Inflammation

Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

Animal Note: CAUSE OF MORBIDITY:

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 49

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal Gland

Cortex

Adenoma

Medulla

Hyperplasia

Mild

Eye

Hemorrhage

Moderate

Note: HEMORRHAGE TGLs = 6-9

Kidney

Nephropathy

Chronic, Marked

Note: NEPHROPATHY TGLs = 5-7+8

Liver

Basophilic Focus

Mammary Gland

Hyperplasia

Cystic, Marked

Note: HYPERPLASIA TGLs = 3-5

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 7-10

Skin

Sebaceous Gland

Adenoma

Keratoacanthoma

Note: ADENOMA TGLs = 1-3

Note: KERATOACANTHOMA TGLs = 2-4

Note: CYSTIC HYPERPLASIA OF MAMMARY GLD HISTOPATHOLOGICALLY.

Note: TGL#3-SKIN MASS,LEFT AXILLA,AS NOTED AT NECROPSY, IS

Testes

Bilateral, Interstit Cell

Adenoma

Seminif Tub

Atrophy

Marked

Interstit Cell

Hyperplasia

Minimal

Note: ADENOMA TGLs = 4-6

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 49

TRT#: 5

SEX: Male

DAY ON TEST: 695

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Brain
Coagulating Gland	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mesentery	Nose
Pancreas	Parathyroid Gland	Peripheral Nerve	Prostate
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Tooth
Trachea	Ureter	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Mammary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
Note: AT NECROPSY, DUE TO CONGESTION.			
Note: HISTOPATHOLOGICALLY. ENLARGEMENT, AS NOTED			
Note: TGL#7-NCL:-ATRIA CONSIDERED TO BE WNL			
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLs = 6-4]			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 8-2+3			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-2+12			
Note: LEUKEMIA MONUC TGLs = 2-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 49	TRT#: 5 DOSE: 12 MG/KG	SEX: Male DISP: Moribund	DAY ON TEST: 695 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
Note: ADENOMA	TGLs = 9-5		
Preputial Gland		Inflammation	Chronic Active, Mild
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Infarct	Moderate
		Leukemia Mononuclear	
[Infarct TGLS = 4-4]			
[Leukemia Mononuclear TGLS = 3-4]			
Testes	Bilateral, Interstit Cell Seminif Tub Interstit Cell	Adenoma Atrophy Hyperplasia	Moderate Minimal
Note: ADENOMA	TGLs = 1-10		

PRIMARY CAUSE OF DEATH -

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

Animal Note: CAUSE OF MORBIDITY:

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Brain	Coagulating Gland	Ductus Deferens	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mesentery	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Seminal Vesicle	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Tooth	Trachea
Urinary Bladder			

MISSING

Adrenal Gland - Medulla	Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 5-1]			
Liver		Vacuolization Cytoplasmic	Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Note: FIBROADENOMA	TGLs = 1-12		
Nose	Nasolacrim Dct	Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-5		
Preputial Gland		Inflammation	Chronic Active, Mild
Prostate		Inflammation	Chronic Active, Mild
Skin			
Note: TGL#1:SKIN MASS, LEFT AXILLA, AS NOTED AT NECROPSY, Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Fibrosis	Mild
Note: FIBROSIS	TGLs = 3-4		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 50	TRT#: 1	SEX: Male	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Testes	Interstit Cell	Hyperplasia	Minimal
Note: TGL#4-NCL:-EXCEPT FOR ONE SMALL FOCUS OF			
Note: THE TESTES WERE CONSIDERED TO BE WNL HISTOPATHOLOGICALLY.			
Note: INTERSTITIAL CELL HYPERPLASIA IN ONE TESTICLE,			
Thyroid Gland	C Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 50	TRT#: 3 DOSE: 6 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Spleen
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Liver		Basophilic Focus	
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 2-4			
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Minimal
Note: ADENOMA TGLs = 1-3			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 50

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Ductus Deferens	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Pancreas	Peripheral Nerve	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Ureter	Urethra	Urinary Bladder	

MISSING

Intestine Large - Rectum	Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Moderate
Note: TGL#3-NCL:-ENLARGEMENT, AS NOTED			
Note: AT NECROPSY, DUE TO CONGESTION.			
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Moderate
Liver		Degeneration	Cystic, Mild
Note: DEGEN TGLs = 4-12			
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Skin			
Note: TGL#1-SKIN MASS, RIGHT FACE, AS NOTED AT NECROPSY,			
Note: IS ZYMBALS GLD ADENOMA HISTOPATHOLOGICALLY.			
Spleen		Hematopoietic Cell Proliferation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	
	Seminif Tub	Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild
Note: ADENOMA TGLs = 2-12			
Zymbal's Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 50

TRT#: 5

SEX: Male

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CARCINOMA TGLs = 1-13

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 1

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Mesentery	Nose
Ovary	Oviduct	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Ureter	Urinary Bladder
Uterus			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Mild
Liver		Hepatodiaphragmatic Nodule Inflammation	Chronic, Mild
[Hepatodiaphragmatic Nodule TGLS = 1-12]			
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1	TRT#: 4	SEX: Female	DAY ON TEST: 733
	DOSE: 6 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-2		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 1

TRT#: 6

SEX: Female

DAY ON TEST: 578

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Liver	Lung	Mesentery	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Ureter	Urinary Bladder
Uterus			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Harderian Gland			
Note: TGL#1-NCL:-HARDERIAN GLD CONSIDERED			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-7		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:PITUITARY ADENOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 2

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	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	Mesentery
Ovary	Oviduct	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Tooth	Trachea	Urinary Bladder	Uterus

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Marked
Note: FIBROADENOMA	TGLs = 2,3-12		
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST	TGLs = 1-5		
Skin			
Note: TGL#S 2&3:-SKIN MASSES, LEFT THORAX AND LEFT			
Note: INGUINAL REGION, AS NOTED AT NECROPSY,			
Note: ARE MAMMARY GLD FIBROADENOMAS HISTOPATHOLOGICALLY.			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-4		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 2

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 2	TRT#: 4	SEX: Female	DAY ON TEST: 532
	DOSE: 6 MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Harderian Gland	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mesentery
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Urinary Bladder	Uterus		

MISSING

Lymph Node - Mesenteric

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

OBSERVATIONS

Heart	Cardiomyopathy	Chronic, Mild
Kidney	Nephropathy	Chronic, Minimal
Liver	Basophilic Focus	
Lung	Granuloma	Minimal
	Pigmentation	Hemosiderin, Minimal
Mammary Gland	Hyperplasia	Cystic, Mild

Note: TGL#2-NCL-OVARIES CONSIDERED TO BE WNL HISTOPATHO-

Note: NECROPSY, IS DUE TO CONGESTION.

Note: LOGICALLY. RED COLOR,AS NOTED AT

Pituitary Gland	Pars Distalis	Adenoma
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Note: ADENOMA TGLs = 1-7

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH: UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 2	TRT#: 6 DOSE: 12 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Mesenteric	Mesentery	Nose	Ovary
Oviduct	Pancreas	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland	Peripheral Nerve
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OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 3	TRT#: 2	SEX: Female	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	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	Mesentery	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Uterus			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
Clitoral Gland	Duct	Dilatation	Marked
		Hyperplasia	Mild
Note: DILATATION	TGLs = 1-12		
Note: HYPERPLASIA	TGLs = 1-12		
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Calculus Micro Observation Only	
		Hydronephrosis	Mild
		Inflammation	Chronic Active, Moderate
		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 4-1]			
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
Mammary Gland		Hyperplasia	Cystic, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 3	TRT#: 2 DOSE: VEHICLE CONTROL	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
ORGAN AND ACCOUNTABLE SITE STATUS			
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland Note: ADENOMA TGLs = 3-5	Pars Distalis	Adenoma	
Spleen		Leukemia Mononuclear	
Urinary Bladder Note: HYPERPLASIA TGLs = 2-6	Transit Epithe	Hyperplasia	Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 3	TRT#: 4 DOSE: 6 MG/KG	SEX: Female DISP: Moribund	DAY ON TEST: 423 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	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	Mesentery
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	Uterus

MISSING

Harderian Gland	Lymph Node - Mesenteric	Peripheral Nerve
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Clitoral Gland		Adenoma	
Note: ADENOMA TGLs = 2-12			
Liver		Basophilic Focus	
Lung		Granuloma	Minimal
Mammary Gland		Hyperplasia	Cystic, Moderate
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: HEMA CELL PROL TGLs = 1-11			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:LARGE CLITORAL GLD ADENOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 3

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Mesentery	Ovary	Oviduct
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skeletal Muscle	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Tooth	Trachea	Ureter
Urinary Bladder	Uterus		

MISSING

Intestine Large - Rectum	Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Bone Marrow			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Note: TGL#2-NCL:-FEMORAL BONE MARROW CONSIDERED			
Brain		Compression	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Marked
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-5			
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 4	TRT#: 2 DOSE: VEHICLE CONTROL	SEX: Female DISP: Moribund	DAY ON TEST: 381 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Mesentery	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Uterus

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Kidney	Renal Tubule	Atrophy Calculus Micro Observation Only	Marked
	Transit Epithe	Hyperplasia Inflammation Nephropathy	Moderate Chronic Active, Marked Chronic, Mild
Note: NEPHROPATHY TGLs = 2-1 [Inflammation TGLS = 3-1]			
Liver		Basophilic Focus Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Spleen		Pigmentation	Hemosiderin, Mild
Urinary Bladder	Transit Epithe	Calculus Micro Observation Only Hyperplasia	Marked
Note: HYPERPLASIA TGLs = 4-11 Note: CALCUS MIC OBS TGLs = 1-11			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 4

TRT#: 2

SEX: Female

DAY ON TEST: 381

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF MORBIDITY:CHRONIC RENAL AND

Animal Note: URINARY BLADDER DISEASE.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 4	TRT#: 4	SEX: Female	DAY ON TEST: 715
	DOSE: 6 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Medulla	Hyperplasia	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA			
TGLs = 1-2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA			
TGLs = 4-5			
Skin			
Note: MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Note: TGL#1-SKIN MASS,RIGHT AXILLARY,AS NOTED AT NECROPSY, IS			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC			
TGLs = 2-3			
Uterus		Polyp Stromal	
Note: POLYP STROMAL			
TGLs = 3-4			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY:MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 4

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Ovary	Pancreas	Peripheral Nerve	Salivary Glands
Skeletal Muscle	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Ureter	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Brain		Compression	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

Note: TGL#1-NCL:-SECTION OF CERVIX SUBMITTED FOR HISTO-

Note: PATHOLOGICALLY EXAMINATION CONSIDERED TO BE WNL.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 5	TRT#: 2	SEX: Female	DAY ON TEST: 731
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Esophagus	Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Mesentery	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skeletal Muscle	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder	Uterus		

MISSING

Clitoral Gland	Lymph Node - Mesenteric
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Brain		Compression	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Marked
Note: FIBROADENOMA	TGLs = 1-13		
Note: HYPERPLASIA	TGLs = 3-12		
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-5		
Skin			
Note: TGL#1-SKIN MASS, LEFT AXILLA, AS NOTED AT NECROPSY,			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Spleen		Hematopoietic Cell Proliferation	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal
Tissue NOS			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 5

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: IS MAMMARY GLD HYPERPLASIA HISTOPATHOLOGICALLY.

Note: TGL#3-UNIDENTIFIED TISSUE MASS, AS NOTED AT TRIM,

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:36
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 5	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: 6 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
	Cortex	Infiltration Cellular	Lymphocyte, Mild
Eye	Lens	Cataract	Mild
Note: CATARACT	TGLs = 1-2		
Uterus		Sarcoma Stromal	
Note: SARC STROMAL	TGLs = 2-3		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:36

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 5	TRT#: 6 DOSE: 12 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	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	Mesentery	Ovary	Oviduct
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skeletal Muscle	Spinal Cord	Stomach - Glandular	Thymus
Tooth	Trachea	Ureter	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
Bone	Femur	Fibrous Osteodystrophy	
Bone Marrow			
Note: TGL#7-NCL:-FEMORAL BONE MARROW CONSIDERED			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1+12]			
Liver		Basophilic Focus	
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Nose		Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Note: CYST	TGLs = 5-5		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 5	TRT#: 6 DOSE: 12 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA TGLs = 5-5 Skin		Inflammation	Chronic Active, Marked
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-4 Stomach	Epithelium, Forestomach	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 6-6 Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 4-10			

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 6

TRT#: 2

SEX: Female

DAY ON TEST: 351

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	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	Mesentery	Nose	Ovary
Oviduct	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder	Uterus	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Liver		Basophilic Focus	
Lung		Inflammation	Chronic Active, Mild
Mammary Gland		Hyperplasia	Cystic, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin	Subcut Tiss	Fibrosarcoma	
Note: EPITHELIUM WAS ULCERATED AND INFLAMMED.			
Note: LARGE AREA OF NECROSIS AND THE SURFACE			
Note: THE CUTANEOUS FIBROSARCOMA CONTAINED A [Fibrosarcoma TGLS = 1-14]			
Spleen		Hematopoietic Cell Proliferation	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:CUTANEOUS FIBROSARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 6	TRT#: 4 DOSE: 6 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
	Cortex	Hypertrophy	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 6

TRT#: 6

SEX: Female

DAY ON TEST: 555

DOSE: 12 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Clitoral Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Ureter	Urinary Bladder	Uterus	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Esophagus		Foreign Body	Marked
Note: FOREIGN MATERIAL IS FOOD.			
Note: FOREIGN BODY TGLs = 1-2			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Trachea			
Note: HISTOPATHOLOGICALLY.			
Note: TGL#2-NCL:-TRACHEAL OBSTRUCTION NOT APPARENT			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 7	TRT#: 2	SEX: Female	DAY ON TEST: 639
	DOSE: VEHICLE CONTROL	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Mesentery	Nose	Ovary
Oviduct	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skeletal Muscle	Spinal Cord
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder	Uterus		

MISSING

Intestine Small - Ileum	Lymph Node - Mesenteric
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Mild
Liver		Necrosis	Coagulative, Marked
Note: NECROSIS	TGLs = 2-4		
Mammary Gland		Hyperplasia	Cystic, Marked
Skin	Subcut Tiss	Myxoma	
Note: MYXOMA	TGLs = 1-12		
Spleen		Hematopoietic Cell Proliferation	Marked
Stomach	Forestomach	Inflammation	Chronic Active, Mild
	Forestomach	Ulcer	Mild
Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:HEPATIC NECROSIS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 7	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: 6 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

OBSERVATIONS

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 1-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 7

TRT#: 6

SEX: Female

DAY ON TEST: 715

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	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	Lung	Mesentery
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Bone Marrow	Femoral	Hyperplasia	Reticulum Cell, Moderate
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
		Necrosis	Coagulative, Mild
Note: NECROSIS TGLs = 2-12			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Note: HYPERPLASIA TGLs = 3-5			
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Hematopoietic Cell Proliferation	Marked
Uterus		Hemorrhage	Marked
Note: HEMORRHAGE TGLs = 1-10			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:HEPATIC NECROSIS,

Animal Note: UTERINE HEMORRHAGE.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 8

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	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	Mesentery	Nose
Ovary	Oviduct	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Urinary Bladder	Uterus

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST	TGLs = 1-5		
Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 8	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: 6 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
	Cortex	Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-2		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 8	TRT#: 6 DOSE: 12 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	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	Mesentery
Ovary	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
[Hepatodiaphragmatic Nodule TGLS = 1-12]			
Mammary Gland		Hyperplasia	Cystic, Moderate
Nose	Nasolacrim Dct	Inflammation	Chronic, Minimal
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 2-5		
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thymus		Cyst	
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 9

TRT#: 2

SEX: Female

DAY ON TEST: 725

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	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	Mesentery	Ovary	Oviduct
Pancreas	Peripheral Nerve	Salivary Glands	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Bone Marrow

Note: TGL#4-NCL:-BONE MARROW CONSIDERED

Note: TO BE WNL HISTOPATHOLOGICALLY.

Heart

Cardiomyopathy

Chronic, Mild

Liver

Basophilic Focus

Inflammation

Necrotizing, Minimal

Mammary Gland

Fibroadenoma

Hyperplasia

Cystic, Moderate

[Fibroadenoma TGLS = 1-12]

Nose

Nasolacrim Dct

Inflammation

Chronic, Mild

Pituitary Gland

Pars Distalis

Cyst

Note: CYST TGLs = 3-5

Skin

Note: TGL#2-SKIN MASS, LEFT FACE, AS NOTED AT NECROPSY,

Note: TGL#1-SKIN MASS LEFT THORACIC AREA, AS NOTED AT NECROPSY,

Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.

Note: IS ZYMBALS GLD CARCINOMA HISTOPATHOLOGICALLY.

Spinal Cord

White Matter

Degeneration

Minimal

Spleen

Hematopoietic Cell Proliferation

Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 9	TRT#: 2 DOSE: VEHICLE CONTROL	SEX: Female DISP: Moribund	DAY ON TEST: 725 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Minimal
Zymbal's Gland		Carcinoma	
Note: CARCINOMA	TGLs = 2-12		

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY:
Animal Note: MAMMARY GLD AND ZYMBALS GLD NEOPLASMS.
Animal Note: CONTRIBUTING FACTOR: PITUITARY CYST.

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 9	TRT#: 4	SEX: Female	DAY ON TEST: 549
	DOSE: 6 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Clitoral Gland
Esophagus	Harderian Gland	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Mesentery	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Urethra	Urinary Bladder	Uterus	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Bone	Cranium	Osteosarcoma	
Note: OSTEOSARC TGLs = 1-5			
Bone Marrow	Femoral	Hyperplasia	Reticulum Cell, Mild
Brain		Compression	
Note: TGL#1-BRAIN MASS, AS NOTED AT NECROPSY, IS FELT TO			
Note: HAVE ARISEN FROM THE BONES OF THE CRANIUM.			
Kidney		Nephropathy	Chronic, Minimal
Liver		Inflammation	Chronic, Mild
Lung		Granuloma	Minimal
Mammary Gland		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:CRANIAL OSTEOSARCOMA WITH

Animal Note: RESULTANT COMPRESSION OF THE CEREBRUM.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 9	TRT#: 6	SEX: Female	DAY ON TEST: 617
	DOSE: 12 MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Clitoral Gland	Esophagus	Harderian Gland
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic
Liver	Lung	Mesentery	Nose
Ovary	Oviduct	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder
Uterus			

MISSING

Lymph Node - Mesenteric

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Brain		Compression	
Heart		Cardiomyopathy	Chronic, Mild
		Mineralization	Minimal
Kidney		Nephropathy	Chronic, Minimal
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: RESULTANT COMPRESSION OF HYPOTHALMUS.

Animal Note: CAUSE OF DEATH:PITUITARY ADENOMA WITH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	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	Mesentery
Ovary	Oviduct	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Ureter	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex Cortex	Accessory Adrenal Cortical Nodule Degeneration	Fatty, Minimal
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus Inflammation	Chronic, Minimal
Mammary Gland		Fibroadenoma Hyperplasia	Cystic, Moderate
[Fibroadenoma TGLS = 2-12]			
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Skin			
Note: TGL#2-SKIN MASS, INGUINAL REGION, AS NOTED AT NECROPSY, Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell C Cell	Adenoma Hyperplasia	Mild
Note: ADENOMA TGLs = 1-2			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Endometrium

Hyperplasia

Cystic, Glandular, Moderate

Note: HYPERPLASIA TGLs = 3-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal Gland

Cortex

Hyperplasia

Minimal

Medulla

Hyperplasia

Minimal

Cortex

Hypertrophy

Minimal

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 1-2

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 10

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Ovary
Oviduct	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Tooth	Trachea	Urinary Bladder

MISSING

Intestine Large - Colon	Intestine Large - Rectum	Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
	Cortex	Hyperplasia	Minimal
	Medulla	Hyperplasia	Minimal
	Cortex	Hypertrophy	Moderate
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
		Basophilic Focus	
Liver		Leukemia Mononuclear	
	Note: LEUKEMIA MONUC TGLs = 4-4+12		
		Leukemia Mononuclear	
Lung		Pigmentation	Hemosiderin, Mild
Lymph Node	Mediastinal	Hyperplasia	Cystic, Moderate
Mammary Gland		Inflammation	Chronic, Mild
Nose	Nasolacrim Dct	Hyperplasia	Mild
Pituitary Gland	Pars Intermed		
Note: HYPERPLASIA TGLs = 3-5			
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 1-12			
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 10

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Dilatation

Moderate

Polyp

Note: DILATATION TGLs = 2-6+10

Note: POLYP TGLs = 2-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 11

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mesentery	Ovary	Oviduct	Pancreas
Peripheral Nerve	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
Note: CATARACT	TGLs = 2-13		
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 1-12]			
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Salivary Glands		Atrophy	Minimal
Skin			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Note: TGL#1-SKIN MASS, RIGHT AXILLA, AS NOTED AT NECROPSY,			
Spinal Cord	White Matter	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 11	TRT#: 2	SEX: Female	DAY ON TEST: 731
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Hematopoietic Cell Proliferation	Mild
Uterus	Endometrium	Hyperplasia Polyp	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 11

TRT#: 4

SEX: Female

DAY ON TEST: 612

DOSE: 6 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Clitoral Gland	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Urethra	Urinary Bladder	Uterus	

MISSING

Lymph Node - Mesenteric	Peripheral Nerve
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
	Cortex	Hypertrophy	Marked
Esophagus		Foreign Body	Moderate
Note: FOREIGN BODY TGLs = 1-12			
Note: FOREIGN BODY IS FODD MATERIAL.			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Inflammation	Chronic, Minimal
Mammary Gland		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 11

TRT#: 6

SEX: Female

DAY ON TEST: 711

DOSE: 12 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mesentery
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Ureter	Urinary Bladder
Uterus			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Minimal
Bone Marrow	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Femoral	Leukemia Mononuclear	
Heart	Vertebral	Leukemia Mononuclear	
		Cardiomyopathy	Chronic, Mild
Intestine Large	Colon	Leukemia Mononuclear	
		Parasite Metazoan	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
Liver		Degeneration	Cystic, Moderate
		Leukemia Mononuclear	
Note: DEGEN TGLs = 2-12			
[Leukemia Mononuclear TGLS = 2-12]			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 11	TRT#: 6 DOSE: 12 MG/KG	SEX: Female DISP: Dead	DAY ON TEST: 711 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Mammary Gland		Hyperplasia	Cystic, Moderate
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear	Mild
Note: LEUKEMIA MONUC TGLs = 1-4			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12

TRT#: 2

SEX: Female

DAY ON TEST: 702

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

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	Mesentery
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Tooth	Trachea
Urinary Bladder	Uterus		

MISSING

Clitoral Gland	Lymph Node - Mesenteric	Pituitary Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Blood Vessel	Pulmn Artery	Mineralization	Marked
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
Liver		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Moderate
Note: LEUKEMIA MONUC	TGLs = 5-14		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Minimal
Note: LEUKEMIA MONUC	TGLs = 4-7		
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Marked
Note: FIBROADENOMA	TGLs = 1,2-10+12+13		
Pituitary Gl			
Note: TGL#6-NCL:-PITUITARY GLD NOT PRESENT AT TRIM.			
Skin			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12	TRT#: 2	SEX: Female	DAY ON TEST: 702
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: VENTRAL RIGHT HINDLIMB, AS NOTED AT NECROPSY,
Note: TGL#S 1&2-SKIN MASSES, VENTRAL LEFT FORELIMB AND
Note: ARE MAMMARY GLD FIBROADENOMAS HISTOPATHOLOGICALLY.

Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-4			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12	TRT#: 4	SEX: Female	DAY ON TEST: 732
	DOSE: 6 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Clitoral Gland		Adenoma	
Note: ADENOMA TGLs = 2-3			
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Note: CYST TGLs = 1-2			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12

TRT#: 6

SEX: Female

DAY ON TEST: 652

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

OBSERVATIONS

Bone Marrow	Femoral	Hyperplasia	Marked
	Vertebral	Hyperplasia	Marked
Heart		Leukemia Mononuclear	
Intestine Small	Ileum	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6,10-4		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 92+3		
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-12		
Note: LEUKEMIA MONUC	TGLs = 2-7		
Note: LEUKEMIA MONUC	TGLs = 11-13		
	[Leukemia Mononuclear TGLs = 5-2+12]		
Mammary Gland		Hyperplasia	Cystic, Moderate
Mesentery		Leukemia Mononuclear	
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Ovary			
Note: TGL#3-NCL:-OVARIES CONSIDERED TO BE WNL			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12

TRT#: 6

SEX: Female

DAY ON TEST: 652

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HISTOPATHOLOGICALLY. RED COLOR, AS NOTED AT
Note: NECROPSY, DUE TO CONGESTION.

Pituitary Gland

Pars Distalis

Adenoma

Leukemia Mononuclear

Note: ADENOMA TGLs = 1-5

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 7,8-4

Stomach

Glandular

Leukemia Mononuclear

Thymus

Leukemia Mononuclear

Uterus

Endometrium

Hyperplasia

Cystic, Glandular, Mild

Note: HYPERPLASIA TGLs = 4-10

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 13

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	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	Mesentery
Nose	Ovary	Oviduct	Pancreas
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Ureter	Urinary Bladder
Uterus			

MISSING

Lymph Node - Mesenteric	Peripheral Nerve
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
Mammary Gland		Hyperplasia	Cystic, Moderate
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Minimal
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13	TRT#: 4 DOSE: 6 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 732 HISTO:
OBSERVATIONS			
Adrenal Gland	Cortex Cortex Cortex Medulla	Degeneration Hyperplasia Leukemia Mononuclear Leukemia Mononuclear Hepatodiaphragmatic Nodule Leukemia Mononuclear	Fatty, Minimal Mild
Liver			
Note: ANOM HEPAT LOB TGLs = 2-3			
Lymph Node	Pancreatic	Leukemia Mononuclear	
Pancreas	Acinus	Atrophy Leukemia Mononuclear	Minimal
Note: LEUKEMIA MONUC TGLs = 1-2			
<hr/> PRIMARY CAUSE OF DEATH - <hr/>			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 13

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	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	Mesentery	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Tooth	Trachea
Ureter	Urinary Bladder	Uterus	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Note: FIBROADENOMA	TGLs = 1-12		
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST	TGLs = 2-5		
Skin			
Note: TGL#1:-SKIN MASS, LEFT THORAX, AS NOTED AT NECROPSY,			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Mild
Thymus		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13	TRT#: 6 DOSE: 12 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell C Cell	Adenoma Hyperplasia	Mild
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PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 14

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Nose	Ovary	Oviduct	Pancreas
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Brain		Compression	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Inflammation	Chronic, Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 1,2-12]			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-5		
Skin			
Note: FIBROADENOMAS HISTOPATHOLOGICALLY.			
Note: TGL#S 1&2:SKIN MASSES, RIGHT THORAX AND ABDOMINAL			
Note: REGION, AS NOTED AT NECROPSY, ARE MAMMARY GLD			
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Mild
Uterus		Dilatation	Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 14

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: DILATATION TGLs = 3-10

Note: UTERINE LUMEN, RIGHT HORN, FILLED WITH NECROTIC DEBRIS.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 14	TRT#: 4	SEX: Female	DAY ON TEST: 733
	DOSE: 6 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild

Note: CYST TGLs = 1-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 14

TRT#: 6

SEX: Female

DAY ON TEST: 443

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	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	Mesentery	Nose	Ovary
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Ureter	Urinary Bladder	Uterus	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Minimal
Liver		Basophilic Focus	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 2-12]			
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-7			
Spleen		Hematopoietic Cell Proliferation	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:

Animal Note: LARGE MAMMARY GLD FIBROADENOMA,PITUITARY ADENOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 15

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	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	Mesentery	Nose
Ovary	Oviduct	Pancreas	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Ureter	Urinary Bladder	Uterus	

MISSING

Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Moderate
Bone Marrow			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Note: TGL#4-NCL:-BONE MARROW CONSIDERED			
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	
Lung	Alveolar Epith	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 3-12			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-13			
Pituitary Gland	Pars Distalis	Hyperplasia	Cystic, Mild
Note: ADENOMA TGLs = 2-5			
Skin		Adenoma	
Note: TGL#1-SKIN MASS, INGUINAL REGION, AS NOTED AT NECROPSY,			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICLALLY.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 15	TRT#: 2	SEX: Female	DAY ON TEST: 733
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 15	TRT#: 4	SEX: Female	DAY ON TEST: 688
	DOSE: 6 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-2]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 15

TRT#: 6

SEX: Female

DAY ON TEST: 578

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Clitoral Gland	Esophagus	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mesentery
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder	Uterus	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Brain		Hydrocephalus	Mild
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Lung		Granuloma	Mild
	Alveolar Epith	Hyperplasia	Moderate
Note: HYPERPLASIA	TGLs = 2-3		
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Suppurative, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:PITUITARY ADENOMA AND

Animal Note: RESULTANT HYDROCEPHALUS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 16

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Mesentery	Ovary	Oviduct
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skeletal Muscle	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder			

MISSING

Clitoral Gland	Intestine Large - Rectum	Lymph Node - Mesenteric
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
Note: ANOM HEPAT LOB TGLs = 2-12			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal
Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-12]			
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Skin			
Note: TGL#1-SKIN MASS, INGUINAL REGION, AS NOTED AT NECROPSY,			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 16

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Endometrium

Hyperplasia

Cystic, Glandular, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 16

TRT#: 4

SEX: Female

DAY ON TEST: 575

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Brain	Clitoral Gland	Esophagus	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mesentery
Nose	Ovary	Oviduct	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skeletal Muscle	Skin	Spinal Cord	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Ureter	Urinary Bladder	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Bone Marrow	Femoral	Hyperplasia	Reticulum Cell, Mild
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
Note: CATARACT	TGLs = 2-12		
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Lung		Granuloma	Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Minimal
[Fibroadenoma TGLS = 1-13]			
Skin			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Note: TGL#1-SKIN MASS, LEFT FORELIMB, AS NOTED AT NECROPSY,			
Thyroid Gland	C Cell	Adenoma	
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 16

TRT#: 4

SEX: Female

DAY ON TEST: 575

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF MORBIDITY:MASSIVE MAMMARY

Animal Note: GLAND FIBROADENOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 16

TRT#: 6

SEX: Female

DAY ON TEST: 712

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Brain	Clitoral Gland
Esophagus	Eye	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mesentery	Oviduct	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Urinary Bladder
Uterus			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
	Vertebral	Leukemia Mononuclear	
Eye			
Note: TGL#1-NCL-EYES CONSIDERED TO BE WNL HISTOPATHOLOGICALLY.			
Note: PROBABLY DUE TO JAUNDICE			
Note: SECONDARY TO MONONUCLEAR LEUKEMIA.			
Note: YELLOW COLOR, AS NOTED AT NECROPSY,			
Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-4			
Lung		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 6-2+3			
Lymph Node	Mandibular	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 16	TRT#: 6 DOSE: 12 MG/KG	SEX: Female DISP: Moribund	DAY ON TEST: 712 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-12		
Note: LEUKEMIA MONUC	TGLs = 3-2+12		
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Ovary		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Cyst	
		Leukemia Mononuclear	
Spleen		Hematopoietic Cell Proliferation	Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-4		
Stomach			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Note: TGL#7-NCL- STOMACH CONSIDERED			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY:

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 17

TRT#: 2

SEX: Female

DAY ON TEST: 656

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Lymph Node - Mesenteric	Mesentery
Ovary	Oviduct	Pancreas	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Brain		Compression	
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Minimal
Liver		Hepatodiaphragmatic Nodule Inflammation	Chronic, Mild
[Hepatodiaphragmatic Nodule TGLS = 3-12]			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Note: TO BE ENLARGED HISTOPATHOLOGICALLY.			
Note: TO BE ENLARGED HISTOPATHOLOGICALLY.			
Note: TGL#5-NCL:-MESENTERIC LYMPH NODES DID NOT APPEAR			
Note: TGL#2-NCL:-MEDIASTINAL LYMPH NODES DID NOT APPEAR			
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-5			
Spleen		Pigmentation	Hemosiderin, Mild
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 4-10			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 17

TRT#: 2

SEX: Female

DAY ON TEST: 656

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: PITUITARY GLD ADENOMA AND RESULTANT

Animal Note: COMPRESSION OF THE HYPOTHALMUS.

Animal Note: CAUSE OF MORBIBIDITY:

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17	TRT#: 4	SEX: Female	DAY ON TEST: 711
	DOSE: 6 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla Eye

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Hyperplasia	Mild
	Cortex	Hypertrophy	Mild

Eye
Note: YELLOW COLOR,AS NOTED AT NECROPSY,PROBABLY DUE TO
Note: TGL#1-NCL-EYES CONSIDERED TO BE WNL HISTOPATHOLOGICALLY.
Note: JAUNDICE SECONDARY TO THE MONONUCLEAR LEUKEMIA.

Liver		Basophilic Focus Inflammation Leukemia Mononuclear	Chronic, Minimal
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Note: LEUKEMIA MONUC TGLs = 3,6-4
Note: AND IS NOT A HEPATOCELLULAR NEOPLASM HISTOPATHOLOGICALLY.
Note: CONSIDERED TO BE THE RESULT OF THE MONONUCLEAR LEUKEMIA
Note: TGL#6-NODULE,LEFT LATERAL LOBE,AS NOTED AT NECROPSY, IS

Lymph Node	Mediastinal Pancreatic	Leukemia Mononuclear Leukemia Mononuclear	
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Note: LEUKEMIA MONUC TGLs = 4,5-5+6

Spleen		Fibrosis Leukemia Mononuclear	Mild
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Note: LEUKEMIA MONUC TGLs = 2-3

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY:MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 17

TRT#: 6

SEX: Female

DAY ON TEST: 595

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Brain	Clitoral Gland
Esophagus	Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mesentery	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skeletal Muscle	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Ureter	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow	Vertebral	Leukemia Mononuclear	
		Cardiomyopathy	Chronic, Mild
Heart		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Leukemia Mononuclear	
		Leukemia Mononuclear	
		Leukemia Mononuclear	
		Pigmentation	Hemosiderin, Mild
Liver		Leukemia Mononuclear	
		Leukemia Mononuclear	
		Leukemia Mononuclear	
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Mild
Note: LEUKEMIA MONUC TGLs = 3-2 [Leukemia Mononuclear TGLS = 4-13]			
Mammary Gland		Hyperplasia	Cystic, Mild
Ovary			
Note: LOGICALLY. RED COLOR, AS NOTED AT Note: NECROPSY, DUE TO CONGESTION.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17

TRT#: 6

SEX: Female

DAY ON TEST: 595

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#2-NCL-OVARIES CONSIDERED TO BE WNL HISTOPATHO-

Pituitary Gland

Pars Distalis

Cyst

Leukemia Mononuclear

Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-12]

PRIMARY CAUSE OF DEATH

-

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

Animal Note: CAUSE OF MORBIDITY:

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 18

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	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	Mesentery	Nose
Ovary	Pancreas	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Ureter	Urinary Bladder	Uterus

MISSING

Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18	TRT#: 4 DOSE: 6 MG/KG	SEX: Female DISP: Moribund	DAY ON TEST: 668 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla
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OBSERVATIONS

Liver		Hepatodiaphragmatic Nodule Inflammation	Chronic, Minimal
Note: ANOM HEPAT LOB TGLs = 1-2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-3			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY:PITUITARY ADENOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 18

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	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	Mesentery
Oviduct	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Tooth	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Inflammation	Chronic, Moderate
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 1-12]			
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Ovary		Cyst	
Note: CYST TGLs = 2-10			
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
Skin			
Note: TGL#1-SKIN MASS,LEFT THORAX, AS NOTED AT NECROPSY,			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 19

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	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
Mesentery	Ovary	Oviduct	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Moderate
Nose		Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Cyst	
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Leukemia Mononuclear	
Uterus		Dilatation	Moderate
		Polyp Stromal	Multiple

Note: POLYP STROMAL TGLs = 1-10+12

Note: DILATATION TGLs = 1-10+12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 19	TRT#: 4 DOSE: 6 MG/KG	SEX: Female DISP: Moribund	DAY ON TEST: 668 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Moderate
	Cortex	Hypertrophy	Minimal
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Marked
Note: HYPERPLASIA	TGLs = 2-3		
Note: FIBROADENOMA	TGLs = 1-2		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-4		

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:PITUITARY ADENOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 19

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Mesentery	Ovary
Oviduct	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Brain		Compression	
Note: COMPRESSION	TGLs = 3-5		
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 1-12]			
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST	TGLs = 2-5		
Skin			
Note: TGL#1-SKIN MASS,INGUINAL REGION, AS NOTED AT NECROPSY,			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 19

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Pigmentation
Dilatation

Hemosiderin, Mild
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 20

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Mesentery	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Ureter	Urinary Bladder	Uterus	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Brain		Compression	
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Moderate
Note: CATARACT	TGLs = 5-14		
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Marked
Note: FIBROADENOMA	TGLs = 1,2-12+13		
Ovary			
Note: TGL#3-NCL:-OVARIAN CYST NOT APPARENT HISTOPATHOLOGICALLY.			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 4-5		
Skin			
Note: REGIONS, AS NOTED AT NECROPSY, ARE			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 20	TRT#: 2	SEX: Female	DAY ON TEST: 732
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#S1&2:SKIN MASSES, VENTRAL NECK AND RIGHT THORACIC

Note: MAMMARY GLD. FIBROADENOMAS HISTOPATHOLOGICALLY.

Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 20	TRT#: 4	SEX: Female	DAY ON TEST: 733
	DOSE: 6 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild

Note: HYPERPLASIA TGLs = 1-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 20

TRT#: 6

SEX: Female

DAY ON TEST: 652

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Clitoral Gland	Esophagus	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mesentery
Nose	Ovary	Pancreas	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Brain		Compression	
Harderian GI			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Note: TGL#2-NCL-HARDERIAN GLD CONSIDERED			
Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
		Leukemia Mononuclear	
Liver			
Note: LEUKEMIA MONUC TGLs = 6-13			
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Mild
Note: LEUKEMIA MONUC TGLs = 4-2			
Note: LEUKEMIA MONUC TGLs = 3-7			
Mammary Gland		Hyperplasia	Cystic, Mild
Ovary			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 20

TRT#: 6

SEX: Female

DAY ON TEST: 652

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#5-NCL-OVARIES CONSIDERED TO BE WNL HISTOPATHO-

Note: LOGICALLY.RED COLOR, AS NOTED AT

Note: NECROPSY, DUE TO CONGESTION.

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA TGLs = 1-5

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 7-4

Thyroid Gland

Follicular Cel

Adenoma

Uterus

Endometrium

Hyperplasia

Cystic, Glandular, Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 21

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Ovary	Oviduct	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Tooth	Trachea
Urinary Bladder	Uterus		

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Brain		Compression	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Adenocarcinoma	
		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
Note: FIBROADENOMA	TGLs = 1-12		
Note: ADENOCARC	TGLs = 2-12		
Nose		Inflammation	Chronic Active, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-5		
Skin			
Note: FIBROADENOMA AND ADENOMA HISTOPATHOLOGICALLY.			
Note: TGL#S1&2:SKIN MASSES, RIGHT AND LEFT THORACIC			
Note: REGIONS, AS NOTED AT NECROPSY, ARE MAMMARY GLAND			
Spinal Cord	White Matter	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 21

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Hematopoietic Cell Proliferation

Mild

Pigmentation

Hemosiderin, Mild

Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 21

TRT#: 4

SEX: Female

DAY ON TEST: 458

DOSE: 6 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	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
Mesentery	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Urinary Bladder

MISSING

Harderian Gland	Lymph Node - Mesenteric	Peripheral Nerve
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OBSERVATIONS

Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
Lung		Granuloma	Minimal
Mammary Gland		Hyperplasia	Cystic, Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-7		
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus		Sarcoma Stromal	
Note: SARC STROMAL	TGLs = 2-12		

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:UTERINE STROMAL SARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 21

TRT#: 6

SEX: Female

DAY ON TEST: 383

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	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	Kidney	Liver
Lung	Mesentery	Nose	Ovary
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder
Uterus			

MISSING

Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Esophagus		Inflammation	Suppurative, Mild
Heart		Cardiomyopathy	Chronic, Minimal
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
	Mediastinal	Pigmentation	Hemosiderin, Mild
Note: HYPERPLASIA TGLs = 1-4+6			
Mammary Gland		Hyperplasia	Cystic, Minimal
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Pigmentation	Hemosiderin, Moderate
Tongue		Squamous Cell Carcinoma	
Note: SQUAM CEL CARC TGLs = 2-11			

PRIMARY CAUSE OF DEATH

-

Animal Note: SQUAMOUS CELL CARCINOMA OF TONGUE.

Animal Note: CAUSE OF MORBIDITY:

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 22

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Mesentery	Ovary
Oviduct	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Ureter	Urinary Bladder	

MISSING

Lymph Node - Mesenteric	Peripheral Nerve
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Minimal
Nose		Inflammation	Chronic Active, Mild
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	

Note: POLYP STROMAL TGLs = 1-10+13

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 22	TRT#: 4	SEX: Female	DAY ON TEST: 732
	DOSE: 6 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Skin
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
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Mammary Gland		Fibroadenoma	
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Note: FIBROADENOMA TGLs = 1-2

Skin

Note: TGL#1-SKIN MASS,RIGHT THORAX,AS NOTED AT NECROPSY, IS

Note: MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 22

TRT#: 6

SEX: Female

DAY ON TEST: 668

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Clitoral Gland	Esophagus
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Mesentery	Ovary	Oviduct
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skeletal Muscle	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Tooth	Trachea	Urinary Bladder
Uterus			

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
Bone Marrow	Femoral	Myelofibrosis	Mild
Brain		Compression	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Mineralization	Mild
		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Lymph Node	Mandibular	Pigmentation	Hemosiderin, Mild
	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Marked
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-5		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 22

TRT#: 6

SEX: Female

DAY ON TEST: 668

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: RESULTANT COMPRESSION OF PONS AND HYPOTHALMUS.

Animal Note: CAUSE OF MORBIDITY:PITUITARY ADENOMA AND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 23

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	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	Mesentery
Ovary	Oviduct	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Urinary Bladder	Uterus

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Clitoral Gl			
Note: TGL#1-NCL:-CLITORAL GLD CONSIDERED			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
	Pancreatic	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Moderate
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 23	TRT#: 4	SEX: Female	DAY ON TEST: 726
	DOSE: 6 MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
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PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 23

TRT#: 6

SEX: Female

DAY ON TEST: 688

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mesentery	Nose	Ovary	Pancreas
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Accessory Adrenal Cortical Nodule	
	Cortex	Degeneration	Fatty, Minimal
	Cortex	Hyperplasia	Mild
	Medulla	Hyperplasia	Minimal
Note: 1991 CONVERSION DISCREPANCY. ORIGINAL DIAGNOSIS SITE NOT SPECIFIED.			
Brain		Compression	
Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Mild
Note: ANOM HEPAT LOB TGLs = 1,2-12			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 3-5			
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 23

TRT#: 6

SEX: Female

DAY ON TEST: 688

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: RESULTANT COMPRESSION OF HYPOTHALMUS.

Animal Note: CAUSE OF MORBIDITY:PITUITARY ADENOMA AND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 24

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	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	Mesentery
Ovary	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland Note: PHEOCHROM BGN TGLs = 2-7	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Moderate
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Marked
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland Note: TGL#3-NCL:-THYROID GLD CONSIDERED Note: TO BE WNL HISTOPATHOLOGICALLY.			
Uterus Note: HYPERPLASIA TGLs = 1-12	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 24

TRT#: 4

SEX: Female

DAY ON TEST: 296

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lymph Node - Mesenteric	Mesentery	Nose
Ovary	Oviduct	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Spleen	Stomach - Forestomach
Thymus	Thyroid Gland	Tooth	Trachea
Ureter	Uterus		

MISSING

Harderian Gland

OBSERVATIONS

Adrenal GI			
Note: TGL#3-NCL-ADRENAL GLDS CONSIDERED			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Bone Marrow	Femoral, Myeloid Cell	Hyperplasia	Moderate
Liver			
Note: TGL#4-NCL-FOCUS,LEFT LATERAL LOBE, AS NOTED AT NECROPSY,			
Note: NOT APPARENT HISTOPATHOLOGICALLY.			
Lung		Granuloma	Minimal
Mammary Gland		Hyperplasia	Cystic, Minimal
Stomach	Glandular	Inflammation	Chronic Active, Mild
Urinary Bladder	Transit Epithe	Dilatation	Marked
		Hyperplasia	Moderate
		Inflammation	Chronic Active, Mild
Note: ONLY.IT PROBABLY REPRESENTED A CYSTIC CALCULUS.			
Note: TGL#2-NCL-FOREIGN BODY WAS GROSS DIAGNOSIS			
Note: DILATATION TGLs = 1-14			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 24

TRT#: 4

SEX: Female

DAY ON TEST: 296

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: RESULTED IN OBSTRUCTION.

Animal Note: (PROBABLY A CALCULUS) WHICH

Animal Note: CAUSE OF MORBIDITY:URINARY BLADDER FOREIGN BODY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 24

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	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	Mesentery
Nose	Oviduct	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Ureter	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
	Cortex	Hyperplasia	Minimal
	Cortex	Hypertrophy	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
		[Fibroadenoma TGLS = 1-12]	
Ovary		Cyst	
Note: CYST	TGLs = 2-10		
Pancreas	Acinus	Atrophy	Moderate
Skin			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Note: TGL#1-SKIN MASS,LEFT THORAX, AS NOTED AT NECROPSY,			
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24

TRT#: 6
DOSE: 12 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus	Endometrium	Pigmentation Hyperplasia	Hemosiderin, Mild Cystic, Glandular, Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25

TRT#: 2

SEX: Female

DAY ON TEST: 676

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Clitoral Gland	Esophagus
Eye	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mesentery	Pancreas	Peripheral Nerve	Salivary Glands
Skeletal Muscle	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Tooth	Trachea	Ureter
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
	Vertebral	Leukemia Mononuclear	
Brain		Compression	
Eye			
Note: YELLOW COLOR, AS NOTED AT NECROPSY, PROBABLY DUE			
Note: TGL#6-NCL:-EYES CONSIDERED TO BE WNL HISTOPATHOLOGICALLY.			
Note: TO JAUNDICE SECONDARY TO MONONUCLEAR LEUKEMIA.			
Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-12		
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 5-2		
Note: LEUKEMIA MONUC	TGLs = 1-7		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25	TRT#: 2	SEX: Female	DAY ON TEST: 676
	DOSE: VEHICLE CONTROL	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Ovary		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
Note: ADENOMA	TGLs = 7-5		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 2-4		
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-10		
Note: HYPERPLASIA	TGLs = 3-10		

PRIMARY CAUSE OF DEATH -

Animal Note: WITH RESULTANT COMPRESSION OF HYPOTHALMUS.

Animal Note: CAUSE OF MORBIDITY:

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

Animal Note: CONTRIBUTING FACTORS:PITUITARY ADENOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: 6 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-3		
Uterus		Diverticulum	Marked
	Endometrium	Hyperplasia	Cystic, Glandular, Moderate
		Inflammation	Chronic Active, Moderate
Note: HYPERPLASIA	TGLs = 2-2		
Note: DIVERTICULUM	TGLs = 1-2		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 25

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Nose	Ovary	Oviduct	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Brain		Compression	
		Hydrocephalus	Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
Note: FIBROADENOMA	TGLs = 1-12		
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 2-5		
Skin			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Note: TGL#1-SKIN MASS, RIGHT THORAX, AS NOTED AT NECROPSY,			
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Pigmentation	Hemosiderin, Moderate
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 25

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 26

TRT#: 2

SEX: Female

DAY ON TEST: 676

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Brain	Esophagus
Eye	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Oviduct	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skeletal Muscle	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

MISSING

Mesentery	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
Clitoral Gland		Leukemia Mononuclear	
Eye			
Note: YELLOW COLOR, AS NOTED AT NECROPSY, PROBABLY DUE			
Note: TO JAUNDICE SECONDARY TO MONONUCLEAR LEUKEMIA.			
Note: TGL#8-NCL:-EYES CONSIDERED TO BE WNL HISTOPATHOLOGICALLY.			
Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-4+12			
[Hepatodiaphragmatic Nodule TGLS = 3-12]			
Lung		Leukemia Mononuclear	
Lymph Node	Lumbar	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 26

TRT#: 2

SEX: Female

DAY ON TEST: 676

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Mesenteric

Leukemia Mononuclear

Renal

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 4-2+15

Note: LEUKEMIA MONUC TGLs = 1-7

[Leukemia Mononuclear TGLS = 6-13]

[Leukemia Mononuclear TGLS = 10-13]

[Leukemia Mononuclear TGLS = 7-13]

Mammary Gland

Hyperplasia

Cystic, Moderate

Mesentery

Note: TGL#11-NCL:-SECTION OF MESENTERY NOT INCLUDED IN TISSUES

Note: SUBMITTED FOR HISTOPATHOLOGICAL EXAMINATION.

Note: DUE TO JAUNDICE SECONDARY TO MONONUCLEAR LEUKEMIA.

Note: YELLOW COLOR, AS NOTED AT NECROPSY, PROBABLY

Nose

Nasolacrim Dct

Inflammation

Chronic, Mild

Ovary

Leukemia Mononuclear

Pancreas

Leukemia Mononuclear

Pituitary Gland

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 9-5

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 5-4

Uterus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 26	TRT#: 4	SEX: Female	DAY ON TEST: 698
	DOSE: 6 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 5-6			
Mammary Gland		Adenocarcinoma	
[Adenocarcinoma TGLS = 1-2]			
Mesentery		Inflammation	Chronic Active, Moderate
		Leukemia Mononuclear	
		Necrosis	Moderate
[Inflammation TGLS = 4-5]			
Pancreas			
Note: HISTOPATHOLOGICALLY.			
Note: TGL#4-PANCREATIC MASS,AS NOTED AT NECROPSY, IS			
Note: INFLAMMATORY AND NECROTIC MESENTERIC NODULE			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: HYPERPLASIA TGLs = 2-3			
[Hyperplasia TGLS = 2-3]			
Skin			
Note: MAMMARY GLD ADENOMA HISTOPATHOLOGICALLY.			
Note: TGL#1-SKIN MASS,VENTRAL NECK,AS NOTED AT NECROPSY, IS			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-4			

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY:MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 26

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Mesentery	Ovary
Oviduct	Pancreas	Parathyroid Gland	Salivary Glands
Skeletal Muscle	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Peripheral Nerve
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OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Mild
Clitoral GI			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Note: TGL#4-CLITORAL GLD CONSIDERED			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-4			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Marked
Nose	Nasolacrim Dct	Granuloma	Mild
	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA TGLs = 1-5			
Note: CYST TGLs = 1-5			
Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 26

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 2-4

Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Mild

Uterus

Endometrium

Hyperplasia

Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 27

TRT#: 2

SEX: Female

DAY ON TEST: 698

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	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	Mesentery	Nose	Ovary
Oviduct	Pancreas	Peripheral Nerve	Salivary Glands
Skeletal Muscle	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Tooth	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric	Parathyroid Gland
-------------------------	-------------------

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
		[Hepatodiaphragmatic Nodule TGLS = 4-12]	
		[Leukemia Mononuclear TGLS = 3-12]	
Lung		Leukemia Mononuclear	
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
		Note: LEUKEMIA MONUC TGLs = 1-4	
Thymus		Cyst	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27	TRT#: 2 DOSE: VEHICLE CONTROL	SEX: Female DISP: Moribund	DAY ON TEST: 698 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Thyroid Gland	C Cell	Hyperplasia	Moderate
Uterus		Polyp Stromal	
Note: POLYP STROMAL TGLs = 2-10			

PRIMARY CAUSE OF DEATH

-

Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

Animal Note: CAUSE OF MORBIDITY:

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27	TRT#: 4	SEX: Female	DAY ON TEST: 733
	DOSE: 6 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild

Note: CYST TGLs = 1-2

Note: HYPERPLASIA TGLs = 1-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 27

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mesentery
Ovary	Oviduct	Pancreas	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Thymus	Tooth	Trachea
Urinary Bladder	Uterus		

MISSING

Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
	Cortex	Hypertrophy	Minimal
Bone Marrow			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Note: TGL#1-NCL-FEMORAL BONE MARROW CONSIDERED			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Lung		Granuloma	Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Stomach	Glandular	Mineralization	Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 27

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 28

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Nose
Salivary Glands
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Ovary
Skeletal Muscle
Thymus
Urinary Bladder

Blood Vessel
Esophagus
Intestine Small - Duodenum
Lung
Pancreas
Skin
Thyroid Gland
Uterus

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Mesentery
Peripheral Nerve
Stomach - Forestomach
Tooth

MISSING

Lymph Node - Mesenteric

Parathyroid Gland

OBSERVATIONS

Brain
Heart
Kidney
Liver
Lymph Node
Mammary Gland
Pituitary Gland
Note: ADENOMA TGLs = 1-5
Spinal Cord
Spleen

Mediastinal
Pars Distalis
White Matter

Compression
Cardiomyopathy
Nephropathy
Basophilic Focus
Pigmentation
Hyperplasia
Adenoma
Degeneration
Hematopoietic Cell Proliferation
Pigmentation

Chronic, Mild
Chronic, Mild
Hemosiderin, Mild
Cystic, Mild
Minimal
Mild
Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 28	TRT#: 4	SEX: Female	DAY ON TEST: 731
	DOSE: 6 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

OBSERVATIONS

Pituitary Gland

Pars Distalis

Cyst

Pars Distalis

Hyperplasia

Moderate

Note: HYPERPLASIA TGLs = 1-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 28 **TRT#:** 6 **SEX:** Female **DAY ON TEST:** 732
DOSE: 12 MG/KG **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Lung	Mesentery	Nose
Ovary	Oviduct	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Tooth	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Cyst	
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Diverticulum	Marked
		Polyp Stromal	Multiple

Note: DIVERTICULUM TGLs = 2-13
Note: POLYP STROMAL TGLs = 1,3-12

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 28

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 29

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	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	Mesentery
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Ureter	Urinary Bladder	Uterus

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
Note: FIBROADENOMA	TGLs = 1-12		
Nose	Nasolacrim Dct	Inflammation	Chronic, Minimal
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 2-5		
Note: CYST	TGLs = 2-5		
Skin			
Note: TGL#1:SKIN MASS, LEFT THORACIC REGION, AS NOTED AT			
Note: NECROPSY,IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 29

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 29

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Esophagus	Harderian Gland	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mesentery	Nose	Ovary
Oviduct	Pancreas	Parathyroid Gland	Salivary Glands
Skeletal Muscle	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Ureter	Urinary Bladder	Uterus

MISSING

Lymph Node - Mesenteric	Peripheral Nerve
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Clitoral Gland		Hyperplasia	Mild
[Hyperplasia TGLS = 3-14]			
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
[Cataract TGLS = 1-12]			
Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
Lung		Granuloma	Mild
Mammary Gland		Hyperplasia	Cystic, Moderate
Pituitary Gland	Pars Distalis	Angiectasis	Mild
Note: ANGIECTASIS TGLs = 2-5			
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 30 **TRT#:** 2 **SEX:** Female **DAY ON TEST:** 732
DOSE: VEHICLE CONTROL **DISP:** Terminal Sacrifice **HISTO:**

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mesentery	Ovary	Pancreas	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder	Uterus	

MISSING

Intestine Large - Rectum	Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Brain		Compression	
Clitoral Gland		Inflammation	Chronic Active, Mild
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Nephropathy	Chronic, Marked
Note: NEPHROPATHY TGLs = 2-1			
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
		Inflammation	Necrotizing, Mild
		Leukemia Mononuclear	
Note: INFLAMMATION TGLs = 3-12			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Moderate
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-5			
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 30

TRT#: 4

SEX: Female

DAY ON TEST: 535

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	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
Mesentery	Nose	Ovary	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Thymus	Tooth
Trachea	Ureter		

MISSING

Harderian Gland	Lymph Node - Mesenteric	Urinary Bladder
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OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Vacuolization Cytoplasmic	Moderate
Mammary Gland		Hyperplasia	Cystic, Moderate
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Forestomach	Inflammation	Chronic Active, Moderate
	Glandular	Inflammation	Chronic Active, Moderate
	Forestomach	Squamous Cell Papilloma	
Thyroid Gland	C Cell	Hyperplasia	Minimal
Urin Bladder			

Note: PRESENT ON THE SLIDE CONTAINING THE UTERINE MASS.

Note: HOWEVER, BLADDER TISSUE WAS NOT

Note: THE URINARY BLADDER WAS REPORTED BY THE PROSECTOR TO

Note: BE INCORPORATED IN THE UTERINE MASS.

Uterus		Sarcoma Stromal
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[Sarcoma Stromal TGLS = 1-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 30

TRT#: 4

SEX: Female

DAY ON TEST: 535

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF MORBIDITY:UTERINE STROMAL SARCOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 30

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Ovary	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skeletal Muscle	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Brain		Compression	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
	[Fibroadenoma TGLS = 1-13]		
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
Note: CYST	TGLs = 3-5		
Note: HYPERPLASIA	TGLs = 3-5		
Skin			
Note: TGL#1-SKIN MASS, INGUINAL REGION, AS NOTED AT NECROPSY,			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Spleen		Hematopoietic Cell Proliferation	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 30

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Uterus

Leukemia Mononuclear

Pigmentation

Dilatation

Polyp Stromal

Hemosiderin, Mild

Moderate

Note: POLYP STROMAL TGLs = 2-10

Note: DILATATION TGLs = 2-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 31

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	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	Mesentery	Nose
Ovary	Oviduct	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Tooth
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Degeneration	Fatty, Mild
Bone Marrow			
Note: TGL#3-NCL:-BONE MARROW CONSIDERED			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Clitoral Gland		Adenoma	
Note: ADENOMA TGLs = 1-10			
Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Minimal
Note: CYST TGLs = 2-5			
Spleen		Hematopoietic Cell Proliferation	Moderate
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 31

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

C Cell

Hyperplasia

Minimal

Uterus

Polyp Stromal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 31	TRT#: 4	SEX: Female	DAY ON TEST: 733
	DOSE: 6 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Skin
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
	Cortex	Hyperplasia	Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA	TGLs = 2-3		
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
Note: ADENOMA	TGLs = 1-2		
Skin			
Note: MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Note: TGL#2-MASS,RIGHT THORAX,AS NOTED AT NECROPSY, IS			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 31

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mesentery	Ovary	Oviduct	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Urinary Bladder
Uterus			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Bone Marrow	Femoral	Hyperplasia	Reticulum Cell, Moderate
Note: HYPERPLASIA TGLs = 4-9			
Clitoral Gland		Adenoma	
Note: ADENOMA TGLs = 3-10			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
Lung		Granuloma	Minimal
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Moderate
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 2-5			
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 31

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 32

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Mesentery	Nose	Ovary
Oviduct	Pancreas	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Tooth
Trachea	Urinary Bladder	Uterus	

MISSING

Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
Bone Marrow	Femoral	Hyperplasia	Reticulum Cell, Mild
Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Minimal
Liver		Inflammation	Chronic, Moderate
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Carcinoma	
Note: CARCINOMA	TGLs = 1-2		
Note: CARCINOMA	TGLs = 1-2		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 32

TRT#: 4

SEX: Female

DAY ON TEST: 443

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Liver	Lung	Mesentery	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Urinary Bladder	Uterus		

MISSING

Harderian Gland	Lymph Node - Mesenteric
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OBSERVATIONS

Clitoral Gland	Inflammation	Chronic Active, Minimal
Mammary Gland	Fibroadenoma	
	Hyperplasia	Cystic, Minimal

Note: FIBROADENOMA TGLs = 1-12

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:

Animal Note: MASSIVE MAMMARY GLAND FIBROADENOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 32

TRT#: 6

SEX: Female

DAY ON TEST: 625

DOSE: 12 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Harderian Gland
Intestine Large - Colon	Intestine Small - Duodenum	Islets, Pancreatic	Lung
Mesentery	Nose	Ovary	Oviduct
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skeletal Muscle	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder	Uterus		

MISSING

Intestine Small - Ileum	Lymph Node - Mesenteric
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Eye	Lens	Cataract	Marked
Note: TGL#1-YELLOW COLOR OF EYES, Note: SECONDARY TO MONONUCLEAR LEUKEMIA. Note: PROBABLY DUE TO JAUNDICE Note: AS NOTED AT NECROPSY, [Cataract TGLS = 1-12]			
Heart	Valve	Bacterium Cardiomyopathy Inflammation	Chronic, Moderate Chronic Active, Moderate
	Atrium	Thrombosis	
	Valve	Thrombosis	
Note: THROMBUS	TGLs = 4-4		
Kidney		Bacterium Inflammation	Chronic Active, Moderate
Liver		Hepatodiaphragmatic Nodule Necrosis	Coagulative, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 32	TRT#: 6 DOSE: 12 MG/KG	SEX: Female DISP: Dead	DAY ON TEST: 625 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Note: ANOM HEPAT LOB	TGLs = 6-13		
Mammary Gland		Hyperplasia	Cystic, Marked
Pituitary Gland		Cyst	
Note: CYST	TGLs = 2-7		
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland		Adenoma	
	C Cell		

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:VEGATATIVE VALVULAR ENDOCARDITIS
Animal Note: WITH SECONDARY SEPTICEMIA RESULTING IN HEPATIC
Animal Note: NECROSIS AND RENAL INFLAMMATION.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 33

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Brain	Esophagus	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Nose	Ovary	Oviduct	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tooth	Trachea	Urinary Bladder
Uterus			

MISSING

Clitoral Gland	Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Bone Marrow	Femoral	Hyperplasia	Reticulum Cell, Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
		Vacuolization Cytoplasmic	Mild
Note: INFLAMMATION TGLs = 1-12 [Inflammation TGLS = 1-12]			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
Spleen		Pigmentation	Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 33

TRT#: 4

SEX: Female

DAY ON TEST: 733

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

OBSERVATIONS

Ovary

Cyst

Note: CYST TGLs = 1-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 33	TRT#: 6	SEX: Female	DAY ON TEST: 732
	DOSE: 12 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Lung	Mesentery	Ovary	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	Uterus

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
Brain		Compression	
Heart		Cardiomyopathy	Chronic, Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Mammary Gland		Adenocarcinoma	
		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Moderate
Note: ADENOCARC	TGLs = 3-15		
Note: FIBROADENOMA	TGLs = 1,2,3-13+14+15		
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST	TGLs = 4-5		
Skin			
Note: ARE MAMMARY GLD FIBROADENOMAS HISTOPATHOLOGICALLY.			
Note: INGUINAL REGION, AS NOTED AT NECROPSY,			
Note: TGL#S 1,2,3-SKIN MASSES, RIGHT & LEFT THORAX, AND			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 33

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Pigmentation	Hemosiderin, Moderate
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 34

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Brain
Clitoral Gland	Esophagus	Eye	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Nose	Ovary	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder	Uterus	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
Bone Marrow	Femoral	Hyperplasia	Reticulum Cell, Mild
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Moderate
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST	TGLs = 2-14		
Skin		Trichoepithelioma	
Note: TRICHOEPITHEL	TGLs = 1-13		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 34

TRT#: 4

SEX: Female

DAY ON TEST: 550

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: CYST TGLs = 3-7

Spinal Cord

Leukemia Mononuclear

Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 1-1]

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 34

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - 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	Mesentery	Nose	Ovary
Oviduct	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Bone Marrow			
Note: TGL#3-NCL-FEMORAL MARROW CONSIDERED			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Angiectasis	Minimal
		Basophilic Focus	
Lung		Granuloma	Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-5			
Spleen		Hematopoietic Cell Proliferation	Mild
Uterus		Dilatation	Mild
	Endometrium	Hyperplasia	Cystic, Glandular, Mild
		Polyp Stromal	
Note: DILATATION TGLs = 2-10			
Note: POLYP STROMAL TGLs = 2-10			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 34

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 35

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Ovary	Oviduct	Peripheral Nerve	Salivary Glands
Skeletal Muscle	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Tooth	Trachea
Urinary Bladder	Uterus		

MISSING

Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Brain		Compression	
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Marked
[Fibroadenoma TGLS = 2-12]			
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-5			
Skin			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Note: TGL#2-SKIN MASS, LEFT THORAX, AS NOTED AT NECROPSY,			
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35	TRT#: 4	SEX: Female	DAY ON TEST: 732
	DOSE: 6 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Moderate
Ovary		Cyst	
Note: CYST	TGLs = 1-2		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 35

TRT#: 6

SEX: Female

DAY ON TEST: 726

DOSE: 12 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Esophagus	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Nose	Ovary	Oviduct	Pancreas
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Tooth
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mesenteric	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
	Cortex	Hyperplasia	Mild
Clitoral Gland		Adenoma	
Note: ADENOMA	TGLs = 1-13		
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
Note: TGL#3-NCL-LIVER NODULE, AS NOTED AT TRIM,			
Note: NOT APPARENT HISTOPATHOLOGICALLY.			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Dilatation	Moderate
	Endometrium	Hyperplasia	Cystic, Glandular, Mild
		Polyp Stromal	Multiple
Note: POLYP STROMAL	TGLs = 2,4-12		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 35

TRT#: 6

SEX: Female

DAY ON TEST: 726

DOSE: 12 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:UNDETERMINED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 36

TRT#: 2

SEX: Female

DAY ON TEST: 578

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Mesentery	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Ureter
Urinary Bladder	Uterus		

MISSING

Lymph Node - Mesenteric	Peripheral Nerve
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OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Inflammation	Necrotizing, Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Marked
[Fibroadenoma TGLS = 1-12]			
Pancreas	Acinus	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-7			
Skin			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Note: TGL#1-SKIN MASS,RIGHT VENTRAL REGION,AS NOTED AT NECROPSY,			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 36

TRT#: 4

SEX: Female

DAY ON TEST: 119

DOSE: 6 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Clitoral Gland	Harderian Gland	Heart
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lung
Lymph Node - Mesenteric	Mesentery	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Pituitary Gland
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder
Uterus			

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Rectum
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OBSERVATIONS

Brain	Inflammation	Chronic Active, Moderate
Esophagus	Inflammation	Chronic Active, Moderate
Lymph Node		
Note: TGL #S1&2-NCL-BOTH MESENTERIC AND MANDIBULAR LYMPH		
Note: NODES WERE CONSIDERED TO BE WNL HISTOPATHOLOGICALLY.		
Mammary Gland	Hyperplasia	Cystic, Minimal
Uterus		
Note: TO BE WNL HISTOPATHOLOGICALLY.		
Note: TGL#3-UTERINE HORNS CONSIDERED		

PRIMARY CAUSE OF DEATH

-

Animal Note: GAVAGE RELATED ACCIDENT.

Animal Note: CAUSE OF DEATH:

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 36

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	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
Mesentery	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Inflammation	Chronic, Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Uterus	Cervix	Fibrosis	Mild

Note: FIBROSIS TGLs = 1-12

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 37

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Harderian Gland	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Nose	Ovary	Oviduct	Pancreas
Parathyroid Gland	Peripheral Nerve	Pituitary Gland	Salivary Glands
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Tooth	Trachea	Ureter
Urinary Bladder			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Moderate
Intestine Large	Colon	Parasite Metazoan	
Intestine Small	Duodenum	Diverticulum	Marked
Note: DIVERTICULUM	TGLs = 3-6		
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Marked
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Marked
		Polyp Stromal	
Note: HYPERPLASIA	TGLs = 1-10		
Note: POLYP STROMAL	TGLs = 2-10		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 37

TRT#: 4

SEX: Female

DAY ON TEST: 684

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Skin

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]			
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-3			
Lymph Node	Mediastinal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-3			
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 1-2			
Ovary		Cyst	
[Cyst TGLS = 6-5]			
Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-6]			
Skin			
Note: MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Note: TGL#1-MASS,RIGHT INGUINAL REGION,AS NOTED AT NECROPSY,IS			
Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 37

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	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	Mesentery
Ovary	Oviduct	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Ureter
Urinary Bladder			

OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Minimal
Kidney		Leukemia Mononuclear	
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 6-4		
Lung		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-2+3		
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 3-12		
Note: LEUKEMIA MONUC	TGLs = 2-2		
Mammary Gland		Hyperplasia	Cystic, Moderate
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Note: CYST	TGLs = 5-5		
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 1-4		
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 37

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: HYPERPLASIA TGLs = 4-10

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 38

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mesentery	Nose	Oviduct	Pancreas
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Tooth
Trachea	Urinary Bladder	Uterus	

MISSING

Lymph Node - Mesenteric	Mammary Gland	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Cyst	
	Cortex	Hyperplasia	Mild
Note: CYST	TGLs = 6-7		
Brain		Compression	
Clitoral Gland		Adenoma	
	[Adenoma TGLS = 1-12]		
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Leukemia Mononuclear	
	Portal Vein	Necrosis	Fibrinoid, Mild
	Intima, Portal Vein	Proliferation	Moderate
	[Leukemia Mononuclear TGLS = 3-13]		
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
Ovary		Cyst	
Note: CYST	TGLs = 5-10		
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST	TGLs = 4-5		
Spinal Cord	White Matter	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 38

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 2-4

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	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	Mesentery	Oviduct	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Adenoma	
	Cortex	Degeneration	Fatty, Moderate
	Cortex	Hypertrophy	Minimal
Note: ADENOMA TGLs = 6-7			
Bone Marrow			
Note: TGL#7-NCL-FEMORAL MARROW CONSIDERED			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Clitoral Gland		Adenoma	
Note: ADENOMA TGLs = 1-10			
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
[Cataract TGLS = 5-13]			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA TGLs = 2-12			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38	TRT#: 6 DOSE: 12 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Ovary		Cyst	
Note: CYST	TGLs = 3-10		
Pituitary Gland	Pars Distalis	Cyst	
Skin			
Note: TGL#2-SKIN MASS, INGUINAL REGION, AS NOTED AT NECROPSY, Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 4-12		

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 39

TRT#: 2

SEX: Female

DAY ON TEST: 718

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Bone Marrow
Intestine Large - Colon
Islets, Pancreatic
Oviduct
Skeletal Muscle
Stomach - Glandular
Trachea

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Lung
Pancreas
Skin
Thymus
Urinary Bladder

Blood Vessel
Esophagus
Intestine Small - Duodenum
Mesentery
Parathyroid Gland
Spinal Cord
Thyroid Gland
Uterus

Bone
Intestine Large - Cecum
Intestine Small - Jejunum
Ovary
Salivary Glands
Stomach - Forestomach
Tooth

MISSING

Lymph Node - Mesenteric

Peripheral Nerve

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Brain
Heart
Kidney
Liver

Compression
Cardiomyopathy
Nephropathy
Basophilic Focus
Inflammation

Chronic, Mild
Chronic, Mild
Chronic, Mild

Note: TGL#2-NCL:-LIVER LESION, AS NOTED AT TRIM,
Note: NOT APPARENT HISTOPATHOLOGICALLY.

Lymph Node
Mammary Gland
Nose
Pituitary Gland

Mediastinal
Nasolacrim Dct
Pars Distalis

Pigmentation
Hyperplasia
Inflammation
Adenoma

Hemosiderin, Mild
Cystic, Mild
Chronic, Mild

Note: ADENOMA TGLs = 1-5

Spleen

Pigmentation

Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: AND RESULTANT COMPRESSION OF HYPOTHALMUS.

Animal Note: CAUSE OF DEATH:PITUITARY ADENOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 39

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland

Cortex

Degeneration

Fatty, Mild

Cortex

Hyperplasia

Mild

Pituitary Gland

Pars Distalis

Adenoma

Note: ADENOMA

TGLs = 2-3

Zymbal's Gland

Carcinoma

Note: CARCINOMA

TGLs = 1-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 39

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Ovary	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Tooth	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Brain		Compression	
Clitoral Gland		Adenoma	
		Inflammation	Chronic Active, Marked
Note: ADENOMA	TGLs = 2-13		
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Note: IS NECROSIS AND INFLAMMATION OF			
Note: TGL#3-ENLARGED MESENTERIC L N, AS NOTED AT NECROPSY,			
Note: MESENTERIC FAT HISTOPATHOLOGICALLY.			
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
Note: FIBROADENOMA	TGLs = 1-14		
Mesentery		Inflammation	Chronic Active, Moderate
		Necrosis	Moderate
Note: INFLAMMATION	TGLs = 3-12		
Note: NECROSIS	TGLs = 3-12		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 39	TRT#: 6 DOSE: 12 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 733 HISTO:
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ORGAN AND ACCOUNTABLE SITE STATUS

Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-5			
Skin			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Note: TGL#1-SKIN MASS, RIGHT THORAX, AS NOTED AT NECROPSY,			
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thymus		Cyst	
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Minimal

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 40

TRT#: 2

SEX: Female

DAY ON TEST: 613

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Esophagus	Harderian Gland
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Mesentery	Nose	Ovary	Oviduct
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skeletal Muscle	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Tooth	Trachea
Ureter	Urinary Bladder		

MISSING

Clitoral Gland	Lymph Node - Mesenteric	Thymus	
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OBSERVATIONS

Esophagus			
Note: NOTED AT NECROPSY, NOT APPARENT HISTOPATHOLOGICALLY.			
Note: TGL#S 2&3-NCL:-ESOPHAGEAL RUPTURE & OBSTRUCTION, AS			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Marked
[Fibroadenoma TGLS = 1-12]			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 4-7			
Skin			
Note: TGL#1-SKIN MASS, RIGHT THORAX, AS NOTED AT NECROPSY,			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Spleen		Pigmentation	Hemosiderin, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 40

TRT#: 2

SEX: Female

DAY ON TEST: 613

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF DEATH:PITUITARY ADENOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 40

TRT#: 4

SEX: Female

DAY ON TEST: 626

DOSE: 6 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Bone Marrow	Clitoral Gland
Esophagus	Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mesentery	Nose	Ovary
Oviduct	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	Uterus

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Brain		Compression	
Heart	Valve	Bacterium	
	Valve	Inflammation	Chronic Active, Moderate
	Atrium	Thrombosis	
	Valve	Thrombosis	
Kidney		Bacterium	
		Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
		Leukemia Mononuclear	
Liver			
Note: LEUKEMIA MONUC TGLs = 1-4			
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Inflammation	Necrotizing, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Leukemia Mononuclear	
Note: ADENOMA TGLs = 2-7			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 40

TRT#: 4

SEX: Female

DAY ON TEST: 626

DOSE: 6 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

Animal Note: VEGETATIVE VALVULAR ENDOCARDITIS

Animal Note: CAUSE OF DEATH:MONONUCLEAR LEUKEMIA.

Animal Note: CONTRIBUTING FACTOR:PROBABLE TERMINAL

Animal Note: SEPTICEMIA SECONDARY TO THE

Animal Note: OF THE MITRAL VALVE.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 40

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	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	Mesentery
Nose	Ovary	Pancreas	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Ureter	Urinary Bladder
Uterus			

MISSING

Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
	Cortex	Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 41

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Clitoral Gland	Esophagus	Harderian Gland	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Ovary	Oviduct	Pancreas	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Tooth	Trachea
Ureter	Urinary Bladder	Uterus	

MISSING

Lymph Node - Mesenteric	Parathyroid Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
	Cortex	Hyperplasia	Minimal
Brain		Compression	
Heart		Cardiomyopathy	Chronic, Moderate
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Inflammation	Necrotizing, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
		[Fibroadenoma TGLS = 2-12]	
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 1-5		
Skin			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Note: TGL#2-SKIN MASS, INGUINAL REGION, AS NOTED AT NECROPSY,			
Spinal Cord	White Matter	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 41

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 41

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: 6 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 41

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	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
Mesentery	Ovary	Oviduct	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Ureter
Urinary Bladder	Uterus		

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Brain			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Note: TGL#3-NCL-CEREBELLUM CONSIDERED			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
Note: ANOM HEPAT LOB TGLs = 2-4			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	Multiple
Note: FIBROADENOMA TGLs = 1-12			
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Note: CYST TGLs = 4-5			
Skin			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Note: TGL#1-SKIN MASS, AS NOTED AT NECROPSY,			
Spinal Cord	White Matter	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 41

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen

Pigmentation

Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 42

TRT#: 2

SEX: Female

DAY ON TEST: 702

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Nose	Ovary	Oviduct	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Ureter
Urinary Bladder	Uterus		

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Brain		Compression	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Hydronephrosis	Marked
		Nephropathy	Chronic, Marked
Note: HYDRONEPHROSIS TGLs = 2-1			
Liver		Inflammation	Chronic, Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-5			
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Stomach	Forestomach	Inflammation	Chronic Active, Marked
Note: TGL#3-NCL:-GLANDULAR STOMACH CONSIDERED			
Note: TO BE WNL HISTOPATHOLOGICALLY.			

PRIMARY CAUSE OF DEATH

-

Animal Note: PITUITARY ADENOMA AND RESULTANT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 42

TRT#: 2

SEX: Female

DAY ON TEST: 702

DOSE: VEHICLE CONTROL

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: COMPRESSION OF HYPOTHALMUS.

Animal Note: CAUSE OF MORBIDITY:

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 42	TRT#: 4	SEX: Female	DAY ON TEST: 733
	DOSE: 6 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Intestine Large - Rectum
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Intest Large			
Note: TGL#1-NCL-RECTAL MUCOSA CONSIDERED TO BE WNL			
Note: HISTOPATHOLOGICALLY.			

Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 3-3			
Thyroid Gland	C Cell	Adenoma	
Note: ADENOMA TGLs = 2-2			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 42

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lung	Mesentery	Ovary
Oviduct	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Tooth	Trachea	Urinary Bladder	Uterus

MISSING

Lymph Node - Mesenteric	Peripheral Nerve	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Brain		Compression	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic, Minimal
Note: ANOM HEPAT LOB TGLs = 2-12			
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pancreas	Acinus	Atrophy	Moderate
Parathyroid Gland		Adenoma	
Pituitary Gland	Pars Distalis	Angiectasis	Moderate
	Pars Distalis	Cyst	
Note: ANGIECTASIS TGLs = 1-5			
Spleen		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 43

TRT#: 2

SEX: Female

DAY ON TEST: 702

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Bone Marrow
Harderian Gland
Nose
Peripheral Nerve
Spinal Cord
Thyroid Gland

Adrenal Gland - Medulla
Brain
Islets, Pancreatic
Ovary
Salivary Glands
Stomach - Forestomach
Tooth

Blood Vessel
Clitoral Gland
Lung
Oviduct
Skeletal Muscle
Stomach - Glandular
Trachea

Bone
Esophagus
Mesentery
Parathyroid Gland
Skin
Thymus
Urinary Bladder

MISSING

Intestine Small - Ileum

Lymph Node - Mesenteric

AUTO PRECLUDES DIAG.

Intestine Large - Cecum
Intestine Small - Jejunum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

OBSERVATIONS

Heart
Kidney
Liver

Cardiomyopathy
Nephropathy
Basophilic Focus
Hepatodiaphragmatic Nodule

Chronic, Minimal
Chronic, Mild

[Hepatodiaphragmatic Nodule TGLS = 5-12]

Lung

Note: PINK COLOR,AS NOTED AT NECROPSY,DUE TO ENGORGEMENT OF
Note: TGL#4-NCL-LUNGS CONSIDERED TO BE WNL HISTOPATHOLOGICLALY.
Note: PULMONARY VESSELS WITH BLOOD.

Lymph Node
Mammary Gland
Pancreas
Pituitary Gland
Spleen

Mediastinal
Acinus
Pars Distalis

Pigmentation
Hyperplasia
Atrophy
Adenoma
Hematopoietic Cell Proliferation
Pigmentation
Dilatation
Polyp Stromal

Hemosiderin, Mild
Cystic, Mild
Mild
Mild
Hemosiderin, Mild
Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 43

TRT#: 2

SEX: Female

DAY ON TEST: 702

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: DILATATION TGLs = 1-13

Note: POLYP STROMAL TGLs = 3-13

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 43

TRT#: 4

SEX: Female

DAY ON TEST: 667

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Eye Skin

OBSERVATIONS

Adrenal Gland Cortex Leukemia Mononuclear
Medulla Leukemia Mononuclear

Eye
Note: TGL#1-NCL-EYES CONSIDERED TO BE WNL HISTOPATHOLOGICALLY.
Note: YELLOW COLOR,AS NOTED AT NECROPSY,PROBABLY DUE TO
Note: JAUNDICE SECONDARY TO MONONUCLEAR LEUKEMIA.

Liver Leukemia Mononuclear
Note: LEUKEMIA MONUC TGLs = 4-4

Mammary Gland Hyperplasia Cystic, Marked
Note: HYPERPLASIA TGLs = 2-3

Mesentery Inflammation Chronic Active, Marked
Necrosis Moderate
Note: INFLAMMATION TGLs = 7-6

Pituitary Gland Pars Distalis Cyst
Pars Distalis Hyperplasia Mild
Leukemia Mononuclear
Note: HYPERPLASIA TGLs = 5-5
Note: CYST TGLs = 5-5

Skin
Note: TGL#2-MASS,LEFT AXILLARY REGION,AS NOTED AT NECROPSY,IS
Note: MAMMARY GLD HYPERPLASIA HISTOPATHOLOGICALLY.

Spleen Leukemia Mononuclear
Note: LEUKEMIA MONUC TGLs = 3-4

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY:MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 43

TRT#: 6

SEX: Female

DAY ON TEST: 715

DOSE: 12 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Clitoral Gland	Esophagus
Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Mesentery	Pancreas	Parathyroid Gland	Salivary Glands
Skeletal Muscle	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Tooth	Trachea
Urinary Bladder			

MISSING

Peripheral Nerve	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
	Vertebral	Leukemia Mononuclear	
Brain		Compression	
Eye	Lens	Cataract	Moderate
Note: THE YELLOW COLOR, AS NOTED AT NECROPSY, WAS			
Note: THERE WAS A CATARACT INVOLVING THE LENS.			
Note: TGL#5-RIGHT EYE CONSIDERED TO BE WNL			
Note: TO THE MONONUCLEAR LEUKEMIA.			
Note: PROBABLY DUE TO JAUNDICE SECONDARY			
Note: NOT APPARENT HISTOPATHOLOGICALLY. IT WAS			
Note: HISTOPATHOLOGICALLY.LEFT EYE WAS POORLY CUT BUT			
[Cataract TGLS = 5-13]			
Heart		Cardiomyopathy	Chronic, Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
Liver		Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 3-18			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 43	TRT#: 6	SEX: Female	DAY ON TEST: 715
	DOSE: 12 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 7-2+14		
Note: LEUKEMIA MONUC	TGLs = 2-7		
Note: LEUKEMIA MONUC	TGLs = 10-16		
Note: LEUKEMIA MONUC	TGLs = 8-15		
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
		Leukemia Mononuclear	
Note: FIBROADENOMA	TGLs = 1-17		
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Ovary		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Cyst	
		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 9-5		
Skin			
Note: TGL#1-SKIN MASS, LEFT AXILLARY, AS NOTED AT NECROPSY,			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Spleen		Leukemia Mononuclear	
Note: LEUKEMIA MONUC	TGLs = 4-4		
Uterus		Dilatation	Mild
	Endometrium	Hyperplasia	Cystic, Glandular, Minimal
		Polyp Stromal	
Note: POLYP STROMAL	TGLs = 6-10		

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF MORBIDITY:
Animal Note: DISSEMINATED MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 44

TRT#: 2

SEX: Female

DAY ON TEST: 529

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Clitoral Gland	Esophagus	Intestine Small - Duodenum
Islets, Pancreatic	Lung	Mesentery	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Thyroid Gland	Tooth	Trachea	Urinary Bladder
Uterus			

MISSING

Lymph Node - Mesenteric	Thymus
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Stomach - Forestomach	Stomach - Glandular	

OBSERVATIONS

Brain		Compression	
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Marked
[Fibroadenoma TGLS = 1-12]			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 2-7			
Skin			
Note: TGL#1-SKIN MASS, RIGHT AXILLA, AS NOTED AT NECROPSY,			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 44

TRT#: 2

SEX: Female

DAY ON TEST: 529

DOSE: VEHICLE CONTROL

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: CAUSE OF DEATH:PITUITARY ADENOMA

Animal Note: AND RESULTANT COMPRESSION OF HYPOTHALMUS.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 44

TRT#: 4

SEX: Female

DAY ON TEST: 575

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Uterus			

MISSING

Harderian Gland	Lymph Node - Mesenteric	Urinary Bladder
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OBSERVATIONS

Brain		Compression	
		Hydrocephalus	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Infarct	Marked
		Nephropathy	Chronic, Moderate
		Pigmentation	Hemosiderin, Moderate
Note: INFARCT	TGLs = 2-1+12		
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
Lymph Node			
Note: CONSIDERED TO BE WNL HISTOPATHOLOGICALLY.			
Note: TGL#1-NCL-MANDIBULAR LYMPH NODES			
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA	TGLs = 3-7		

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:PITUITARY ADENOMA WITH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 44

TRT#: 4

SEX: Female

DAY ON TEST: 575

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: AND HYDROCEPHALUS.

Animal Note: RESULTANT COMPRESSION OF HYPOTHALMUS

Animal Note: CONTRIBUTING FACTOR:CHRONIC RENAL INFARCT.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 44

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lung	Mesentery	Nose	Ovary
Pancreas	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skeletal Muscle	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Ureter	Urinary Bladder	Uterus	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
	Cortex	Hyperplasia	Mild
Bone Marrow	Femoral	Hyperplasia	Reticulum Cell, Mild
Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Mild
		[Fibroadenoma TGLS = 2,3-13+14]	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin	Sebaceous GI	Adenoma	
		Note: GLAND FIBROADENOMAS HISTOPATHOLOGICALLY.	
		Note: ADENOMA TGLs = 1-12	
		Note: REGIONS, AS NOTED AT NECROPSY, ARE MAMMARY	
		Note: TGL#'S 2 & 3-SKIN MASSES, THORAX AND INGUINAL	
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 44

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 45

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	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
Mesentery	Nose	Ovary	Pancreas
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Ureter	Urinary Bladder
Uterus			

MISSING

Lymph Node - Mesenteric	Parathyroid Gland	Peripheral Nerve
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OBSERVATIONS

Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Clear Cell Focus	
Note: CLEAR CL FOCUS TGLs = 2-12			
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA TGLs = 1-5			
Spleen		Pigmentation	Hemosiderin, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 45

TRT#: 4

SEX: Female

DAY ON TEST: 508

DOSE: 6 MG/KG

DISP: Dead

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood Vessel	Bone	Clitoral Gland	Esophagus
Harderian Gland	Intestine Large - Colon	Intestine Large - Rectum	Islets, Pancreatic
Nose	Ovary	Parathyroid Gland	Peripheral Nerve
Skeletal Muscle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Tooth	Trachea	Ureter
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone Marrow	Femoral	Leukemia Mononuclear	
	Vertebral	Leukemia Mononuclear	
Brain		Compression	
		Hydrocephalus	Mild
Heart		Cardiomyopathy	Chronic, Moderate
Intestine Large	Cecum	Parasite Metazoan	
Intestine Small	Duodenum	Leukemia Mononuclear	
	Ileum	Leukemia Mononuclear	
	Jejunum	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
Liver		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 6-4]	
Lung		Leukemia Mononuclear	
Lymph Node	Lumbar	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 9-15]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 45	TRT#: 4	SEX: Female	DAY ON TEST: 508
	DOSE: 6 MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 10-16]			
[Leukemia Mononuclear TGLS = 12-14]			
[Leukemia Mononuclear TGLS = 8-13]			
[Leukemia Mononuclear TGLS = 1-5+7]			
Mammary Gland		Hyperplasia	Cystic, Moderate
		Leukemia Mononuclear	
Mesentery		Leukemia Mononuclear	
Pancreas		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 8-13]			
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Leukemia Mononuclear	
Note: ADENOMA	TGLs = 11-7		
Salivary Glands		Leukemia Mononuclear	
Spinal Cord		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
		Thrombosis	
Note: THROMBUS	TGLs = 3,4-12		
[Leukemia Mononuclear TGLS = 2-12]			
Thymus		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-16]			
Uterus		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION	TGLs = 7-10		

PRIMARY CAUSE OF DEATH -

Animal Note: CAUSE OF DEATH:MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 45

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	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	Mesentery
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Ureter	Urinary Bladder
Uterus			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Moderate
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	Follicular Cel	Adenoma	
	C Cell	Hyperplasia	Mild

Note: ADENOMA TGLs = 1-2

Uterus

Note: TO BE WNL HISTOPATHOLOGICALLY.

Note: TGL#2-NCL-CERVIX CONSIDERED

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 46

TRT#: 2

SEX: Female

DAY ON TEST: 733

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	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	Mesentery
Ovary	Oviduct	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Ureter	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 1-12]			
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Skin			
Note: TGL#1-SKIN MASS, RIGHT THORAX, AS NOTED AT NECROPSY,			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Adenoma	
Uterus		Dilatation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46	TRT#: 4	SEX: Female	DAY ON TEST: 644
	DOSE: 6 MG/KG	DISP: Dead	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

OBSERVATIONS

Lymph Node Note: HYPERPLASIA TGLs = 2-3	Mandibular	Hyperplasia	Plasma Cell, Mild
Pituitary Gland Note: ADENOMA TGLs = 3-3	Pars Distalis	Adenoma	
Skin Note: FIBROMA TGLs = 1-2	Subcut Tiss	Fibroma	

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF DEATH:UNDETERMINED.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 46

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	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	Mesentery	Nose
Ovary	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
Lung		Alveolar/Bronchiolar Carcinoma	
		[Alveolar/Bronchiolar Carcinoma TGLS = 1-12]	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Pigmentation	Hemosiderin, Mild
Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 47

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	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	Nose
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skeletal Muscle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Tooth	Trachea	Urinary Bladder	Uterus

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Moderate
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
Note: FIBROADENOMA	TGLs = 1-14		
Mesentery		Inflammation	Chronic Active, Moderate
Note: INFLAMMATION	TGLs = 3-13		
Ovary		Cyst	
Note: CYST	TGLs = 2-10		
Pancreas	Acinus	Atrophy	Marked
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 4-5		
Skin			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Note: TGL#1-SKIN MASS, RIGHT THORAX, AS NOTED AT NECROPSY,			
Spinal Cord	White Matter	Degeneration	Minimal

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47	TRT#: 2	SEX: Female	DAY ON TEST: 732
	DOSE: VEHICLE CONTROL	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Spleen		Hematopoietic Cell Proliferation Leukemia Mononuclear Pigmentation	Mild Hemosiderin, Mild
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 47

TRT#: 4

SEX: Female

DAY ON TEST: 443

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Mesentery
Nose	Ovary	Pancreas	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Tooth	Trachea	Urinary Bladder
Uterus			

MISSING

Harderian Gland	Lymph Node - Mesenteric	Parathyroid Gland
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OBSERVATIONS

Bone Marrow	Femoral	Hyperplasia	Reticulum Cell, Minimal
Intestine Large	Rectum	Parasite Metazoan	
Liver		Basophilic Focus	
Lung		Granuloma	Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Note: FIBROADENOMA TGLs = 1-12			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:

Animal Note: MASSIVE MAMMARY GLAND FIBROADENOMA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 47

TRT#: 6

SEX: Female

DAY ON TEST: 732

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lung	Mesentery
Nose	Ovary	Oviduct	Pancreas
Parathyroid Gland	Peripheral Nerve	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Urinary Bladder	Uterus		

MISSING

Intestine Large - Rectum	Lymph Node - Mesenteric
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Minimal
	Cortex	Hypertrophy	Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Degeneration	Cystic, Mild
		Inflammation	Chronic, Mild
		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Note: FIBROADENOMA TGLs = 1-13			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Skin			
Note: TGL#1-SKIN MASS, LEFT THORAX, AS NOTED AT NECROPSY,			
Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.			
Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 48

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	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	Lung	Mesentery
Oviduct	Pancreas	Parathyroid Gland	Peripheral Nerve
Pituitary Gland	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Tooth	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric	Thymus
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OBSERVATIONS

Bone Marrow	Femoral	Hyperplasia	Reticulum Cell, Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Moderate
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Ovary		Cyst	
Note: CYST	TGLs = 2-10		
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Dilatation	Moderate
		Inflammation	Chronic Active, Moderate
Note: DILATATION	TGLs = 3-10		
Note: DILATATION	TGLs = 1-10		
Note: INFLAMMATION	TGLs = 3-10		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 48

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 48	TRT#: 4	SEX: Female	DAY ON TEST: 732
	DOSE: 6 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Mild
Kidney		Nephropathy	Chronic, Moderate
Note: NEPHROPATHY TGLs = 2-2			
Liver			
Note: TGL#1-NST-LIVER LESION NOT PRESENT AT TRIM.			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: HYPERPLASIA TGLs = 3-3			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 48

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood	Blood Vessel
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	Mesentery	Nose	Ovary
Oviduct	Pancreas	Parathyroid Gland	Peripheral Nerve
Salivary Glands	Skeletal Muscle	Skin	Spinal Cord
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Tooth	Trachea	Urinary Bladder	Uterus

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Bone Marrow			
Note: TO BE WNL HISTOPATHOLOGICALLY.			
Note: TGL#4-NCL-FEMORAL MARROW CONSIDERED			
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
Note: CATARACT TGLs = 2-13			
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
Note: FIBROADENOMA TGLs = 1-14			
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
Note: ANGIECTASIS TGLs = 3-5			
Note: HYPERPLASIA TGLs = 3-5			
Skin			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 48

TRT#: 6

SEX: Female

DAY ON TEST: 731

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#1-SKIN MASS, RIGHT THORAX, AS NOTED AT NECROPSY,

Note: IS MAMMARY GLD FIBROADENOMA HISTOPATHOLOGICALLY.

Spleen

Hematopoietic Cell Proliferation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:37

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 49

TRT#: 2

SEX: Female

DAY ON TEST: 732

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	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 - Mesenteric
Mesentery	Oviduct	Pancreas	Parathyroid Gland
Peripheral Nerve	Pituitary Gland	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Tooth	Trachea
Ureter	Urinary Bladder	Uterus	

OBSERVATIONS

Clitoral Gland		Inflammation	Chronic Active, Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 2-12]			
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Ovary		Cyst	
		Granulosa Cell Tumor Benign	
Note: CYST TGLs = 1-13			
Note: GRANLSA TM BGN TGLs = 1-13			
Skin			
Note: TGL#2-SKIN NODULE, LEFT THORAX, AS NOTED AT NECROPSY,			
Note: IS MAMMARRY GLD HYPERPLASIA HISTOPATHOLOGICALLY.			
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 49	TRT#: 4	SEX: Female	DAY ON TEST: 732
	DOSE: 6 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

Note: HYPERPLASIA TGLs = 1-2

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:37
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 49	TRT#: 6	SEX: Female	DAY ON TEST: 733
	DOSE: 12 MG/KG	DISP: Terminal Sacrifice	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Blood Vessel	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	Mesentery
Nose	Ovary	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Spinal Cord	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Tooth	Trachea	Ureter	Urinary Bladder
Uterus			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Cortex	Hypertrophy	Minimal
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Mild
Liver		Basophilic Focus	
		Inflammation	Chronic, Minimal
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Cyst	
Note: ADENOMA	TGLs = 1-5		
Note: ANGIECTASIS	TGLs = 1-5		
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thymus		Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:38

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 50

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	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	Lung	Mesentery
Ovary	Oviduct	Pancreas	Parathyroid Gland
Peripheral Nerve	Salivary Glands	Skeletal Muscle	Skin
Stomach - Forestomach	Stomach - Glandular	Tooth	Trachea
Urinary Bladder			

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Bone Marrow	Femoral	Hyperplasia	Reticulum Cell, Mild
Heart		Cardiomyopathy	Chronic, Mild
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Inflammation	Chronic, Mild
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Nose	Nasolacrim Dct	Inflammation	Chronic, Mild
Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
Note: CYST	TGLs = 2-5		
Note: HYPERPLASIA	TGLs = 2-5		
Spinal Cord	White Matter	Degeneration	Minimal
Spleen		Hematopoietic Cell Proliferation	Mild
		Pigmentation	Hemosiderin, Mild
Thymus		Cyst	
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Dilatation	Moderate
Note: DILATATION	TGLs = 1-10		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:38
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 50

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: VEHICLE CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:38

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 50

TRT#: 4

SEX: Female

DAY ON TEST: 590

DOSE: 6 MG/KG

DISP: Moribund

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Blood Vessel	Bone
Bone Marrow	Brain	Clitoral Gland	Esophagus
Harderian Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mesentery	Nose	Oviduct
Pancreas	Parathyroid Gland	Salivary Glands	Skeletal Muscle
Skin	Spinal Cord	Stomach - Forestomach	Stomach - Glandular
Tooth	Trachea	Urinary Bladder	Uterus

MISSING

Lymph Node - Mesenteric	Peripheral Nerve
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OBSERVATIONS

Adrenal Gland	Capsule	Inflammation	Chronic, Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-4]			
Lung		Leukemia Mononuclear	
Lymph Node	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: LEUKEMIA MONUC TGLs = 2-2			
Note: LEUKEMIA MONUC TGLs = 1-5+7			
[Leukemia Mononuclear TGLS = 3-12]			
Mammary Gland		Hyperplasia	Cystic, Moderate
Ovary		Cyst	
		Leukemia Mononuclear	
Note: CYST TGLs = 5-10			
Pituitary Gland	Pars Distalis	Cyst	
Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: N-Methylolacrylamide
CAS Number: 924-42-5

Date Report Requested: 10/23/2014
Time Report Requested: 01:42:38
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 50	TRT#: 4	SEX: Female	DAY ON TEST: 590
	DOSE: 6 MG/KG	DISP: Moribund	HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-13]

Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: CAUSE OF MORBIDITY:MONONUCLEAR LEUKEMIA.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: N-Methylolacrylamide

CAS Number: 924-42-5

Date Report Requested: 10/23/2014

Time Report Requested: 01:42:38

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 50

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Blood Vessel	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Mesentery	Nose	Ovary
Oviduct	Parathyroid Gland	Peripheral Nerve	Salivary Glands
Skeletal Muscle	Skin	Spinal Cord	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Tooth
Trachea	Urinary Bladder	Uterus	

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Chronic, Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Chronic, Minimal
Liver		Basophilic Focus	
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Mild
Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Moderate
Note: FIBROADENOMA	TGLs = 1-12		
Pancreas	Acinus	Atrophy	Mild
	Duct	Ectasia	Mild
Pituitary Gland	Pars Distalis	Angiectasis	Mild
	Pars Distalis	Hyperplasia	Mild
Note: HYPERPLASIA	TGLs = 3-5		
Note: ANGIECTASIS	TGLs = 3-5		
Skin			
Note: IS MAMMARY GLD ADENOMA HISTOPATHOLOGICALLY.			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05024-01
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: Rat/F 344/N

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Lab: BAT

ANIMAL ID: 50

TRT#: 6

SEX: Female

DAY ON TEST: 733

DOSE: 12 MG/KG

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: TGL#1-SKIN MASS, ABDOMINAL REGION, AS NOTED AT NECROPSY,
Spleen

Leukemia Mononuclear

Note: LEUKEMIA MONUC TGLs = 2-4

PRIMARY CAUSE OF DEATH

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**** END OF REPORT ****