

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:01  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

<b>C Number:</b>	C06008
<b>Lock Date:</b>	Not Entered.
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	02/14/1991

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 1

TRT#: 2

DOSE: 6 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 799

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Parasite Metazoan	
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Neoplastic Nodule	Multiple
Note: [ NEOPLASTIC NOD ] TGLs = 4-4,16			
Lung	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 6-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 5-2			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Spleen		Fibrosis	Focal, Moderate
		Fibrous Histiocytoma	
Note: [ FIB HISTIOCYT ] TGLs = 3-15			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1,2-9,17			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:01

**First Dose M/F:** NA / NA

**Lab:** LITRI

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<b>ANIMAL ID:</b> 1	<b>TRT#:</b> 2	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 799
	<b>DOSE:</b> 6 MG/M3	<b>DISP:</b> Terminal Sacrifice	<b>HISTO:</b>

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thyroid Gland	C Cell	Adenoma
PRIMARY CAUSE OF DEATH	-	

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

<b>ANIMAL ID:</b> 2	<b>TRT#:</b> 8	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 738
	<b>DOSE:</b> 6 MG/M3 LUNG TOX	<b>DISP:</b> Scheduled Sacrifice	<b>HISTO:</b>

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Esophagus	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung	Interstitialium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Testes	Bilateral, Interstit Cell	Adenoma	

Note: [ ADENOMA ] TGLs = 2,3,4-9

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

<b>ANIMAL ID:</b> 3	<b>TRT#:</b> 2 <b>DOSE:</b> 6 MG/M3	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 677 <b>HISTO:</b> 82
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
Note: [ THROMBUS ] TGLs = 7-3			
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: [ HYPERPLASIA ] TGLs = 6-4			
Lung	Interstitium	Fibrosis	Focal, Minimal
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
Note: [ INFLAMMATION ] TGLs = 9-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 3

TRT#: 2

SEX: Male

DAY ON TEST: 677

DOSE: 6 MG/M3

DISP: Moribund Sacrifice

HISTO: 82

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ LEUKEMIA MONUC ] TGLs = 4-8

Note: [ LEUKEMIA MONUC ] TGLs = 5-15

[ Hyperplasia TGLS = 3-2 ]

[ Hyperplasia TGLS = 8-2 ]

Pancreas Lobules Atrophy Minimal

Spleen Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 2-3,15

Testes Bilateral, Interstit Cell Adenoma

Note: [ ADENOMA ] TGLs = 1-9

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

<b>ANIMAL ID:</b> 4	<b>TRT#:</b> 2 <b>DOSE:</b> 6 MG/M3	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 573 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Large - Rectum

OBSERVATIONS

Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Minimal
Intestine Small	Ileum, Lymphatic	Ectasia	Moderate
Kidney		Nephropathy	Minimal
Liver		Degeneration	Cystic, Minimal
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Lung		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Minimal
	Bronchial	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-2			
Pancreas	Lobules	Atrophy	Minimal
Prostate		Inflammation	Moderate
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-3			
Testes	Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:01

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 4

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 573

**DOSE:** 6 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ ADENOMA ] TGLs = 2-9

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

<b>ANIMAL ID:</b> 5	<b>TRT#:</b> 2 <b>DOSE:</b> 6 MG/M3	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 787 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart	Myocardium	Cardiomyopathy	Mild
Kidney		Mineralization	Moderate
Note: [ NEPHROPATHY ] TGLs = 4-3		Nephropathy	Marked
Liver		Basophilic Focus	Mild
Lung	Bile Duct	Hyperplasia	Mild
	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
Note: [ INFLAMMATION ] TGLs = 8-5,6		Inflammation	Granulomatous, Mild
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 7-2 [ Hyperplasia TGLS = 6-2 ]			
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Preputial Gland		Carcinoma	
[ Carcinoma TGLS = 1-15 ]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2,3-9			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:01

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 5

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 787

**DOSE:** 6 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thyroid Gland

C Cell

Carcinoma

Note: [ ADENOCARC ] TGLs = 5-2

Note: MALIGNANCY BASED ON SIZE AND ANAPLASIA

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PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 6

TRT#: 2

SEX: Male

DAY ON TEST: 186

DOSE: 6 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Intestine Large	Cecum	Parasite Metazoan	
Lung		Inflammation	Granulomatous, Minimal
Lymph Node	Mediastinal	Hyperplasia	Histiocytic, Mild
Nose	Respirat Epith	Hyperplasia	Moderate
	Mucosa	Inflammation	Suppurative, Moderate

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 7

TRT#: 8

SEX: Male

DAY ON TEST: 192

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**MISSING**

Lymph Node - Mediastinal	Parathyroid Gland
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**PRESENT BUT NOT EXAMINED**

Eye	Tongue
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**OBSERVATIONS**

Intestine Large	Cecum	Parasite Metazoan	Minimal
Note: PARASITE IS SYPHACIA			
Liver		Inflammation	Subacute, Focal, Minimal
Lung		Inflammation	Granulomatous, Minimal
Note: LESION APPEARS TO BE AN EARLY FORM OF GRANULOMA			
Note: MACROPHAGE FOCI CONTAIN REFRACTILE PARTICLES			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
Note: HISTIOCYTIC FOCI CONTAIN REFRACTILE PARTICLES			

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 2 <b>DOSE:</b> 6 MG/M3	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 800 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 3-3			
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Mild
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
Lung	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 6-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 4.5-2			
Parathyroid Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hyperplasia	Lymphoid, Moderate
Note: [ HYPERPLASIA ] TGLs = 2-3			
Testes	Interstitial Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:01

**First Dose M/F:** NA / NA

**Lab:** LITRI

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<b>ANIMAL ID:</b> 8	<b>TRT#:</b> 2 <b>DOSE:</b> 6 MG/M3	<b>SEX:</b> Male <b>DISP:</b> Terminal Sacrifice	<b>DAY ON TEST:</b> 800 <b>HISTO:</b>
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<b>ORGAN AND ACCOUNTABLE SITE STATUS</b>			
		Atrophy	Moderate
Note: [ ADENOMA ] TGLs = 7-9			
Note: [ ATROPHY ] TGLs = 1-9			
Thyroid Gland	C Cell	Adenoma	
<b>PRIMARY CAUSE OF DEATH</b>	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 10

TRT#: 8

SEX: Male

DAY ON TEST: 738

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Esophagus	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Histiocytic, Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ HYPERPLASIA ] TGLs = 2-6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 1-2			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 3,4-9			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 11

TRT#: 2

DOSE: 6 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 611

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Epididymis

Intestine Small - Duodenum

Lymph Node - Mesenteric

Parathyroid Gland

Salivary Glands

Stomach - Glandular

Adrenal Gland - Medulla

Esophagus

Islets, Pancreatic

Mammary Gland

Pituitary Gland

Skin

Trachea

Bone Marrow

Intestine Large - Colon

Larynx

Nose

Preputial Gland

Spleen

Urinary Bladder

Brain

Intestine Large - Rectum

Lymph Node - Mandibular

Pancreas

Prostate

Stomach - Forestomach

MISSING

Seminal Vesicle

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Bone

Pelvis

Pelvis

Fibrous Osteodystrophy

Fracture

Osteosarcoma

Note: [ OSTEOSARC ] TGLs = 3-17

Note: [ FRACTURE ] TGLs = 3-17

Note: [ OSTEOSARC ] TGLs = 2-15,16

Heart

Kidney

Cardiomyopathy

Hydronephrosis

Nephropathy

Minimal

Moderate

Mild

Note: [ HYDRONEPHROSIS ] TGLs = 10,11-3

Liver

Degeneration

Eosinophilic Focus

Hyperplasia

Hyperplasia

Inflammation

Osteosarcoma

Cystic, Minimal

Minimal

Mild

Mild

Granulomatous, Minimal

Metastatic (Uncertain Primary Site)

Note: [ INFLAMMATION ] TGLs = 7,8-5,6

Lymph Node

Bronchial

Hyperplasia

Histiocytic, Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:01

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 11

**TRT#:** 2

**DOSE:** 6 MG/M3

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:** 611

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Prostate	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: ENLARGED PROSTATE=ADJACENT OSTEOSARCOMA			
Testes	Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-9			
Thymus		Atrophy	Marked
Note: [ ATROPHY ] TGLs = 6-2			
Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 12

TRT#: 2

DOSE: 6 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 722

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Epididymis

Lymph Node - Mandibular

Pituitary Gland

Seminal Vesicle

Stomach - Glandular

Bone

Esophagus

Lymph Node - Mediastinal

Preputial Gland

Skin

Thyroid Gland

Bone Marrow

Heart

Lymph Node - Mesenteric

Prostate

Spleen

Trachea

Brain

Larynx

Mammary Gland

Salivary Glands

Stomach - Forestomach

Urinary Bladder

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Small - Ileum

Pancreas

Intestine Large - Colon

Intestine Small - Jejunum

Intestine Large - Rectum

Islets, Pancreatic

Intestine Small - Duodenum

Lymph Node - Bronchial

OBSERVATIONS

Adrenal Gland

Note: [ PHEOCHROM BGN ] TGLs = 2-14

Kidney

Liver

Bilateral, Medulla

Pheochromocytoma Benign

Nephropathy

Congestion

Minimal

Moderate

Bile Duct

Hyperplasia

Minimal

Lung

Inflammation

Suppurative, Moderate

Inflammation

Granulomatous, Minimal

Note: [ INFLAMMATION ] TGLs = 4-5,6

Lymph Node

Note: [ HEMORRHAGE ] TGLs = 3-2

Hemorrhage

Chronic, Mild

Nose

Mucosa

Inflammation

Suppurative, Marked

Parathyroid Gland

Hyperplasia

Mild

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 1-9

Thymus

Atrophy

Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 26

TRT#: 2

SEX: Male

DAY ON TEST: 746

DOSE: 6 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Intestine Large - Colon  
Larynx  
Preputial Gland  
Stomach - Forestomach

Bone  
Intestine Small - Ileum  
Nose  
Salivary Glands  
Trachea

Epididymis  
Intestine Small - Jejunum  
Parathyroid Gland  
Seminal Vesicle  
Urinary Bladder

Esophagus  
Islets, Pancreatic  
Pituitary Gland  
Skin

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland  
Note: [ PHEOCHROM BGN ] TGLs = 3-14

Bilateral, Medulla

Pheochromocytoma Benign

Bone Marrow  
Brain  
Note: [ NECROSIS ] TGLs = 8,9,10-5,15

Leukemia Mononuclear  
Necrosis

Focal, Marked

Heart  
  
Intestine Large

Cardiomyopathy  
Leukemia Mononuclear  
Inflammation

Mild

Cecum  
Rectum  
Duodenum

Inflammation  
Inflammation  
Ulcer

Minimal  
Minimal  
Moderate

Intestine Small  
Kidney

Leukemia Mononuclear  
Nephropathy

Mild

Liver

Bile Duct

Fatty Change  
Hyperplasia  
Leukemia Mononuclear

Moderate  
Moderate

Lung  
Lymph Node

Bronchial  
Mediastinal  
Bronchial  
Mandibular  
Mediastinal  
Mesenteric

Inflammation  
Hyperplasia  
Hyperplasia  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear

Granulomatous, Moderate  
Histiocytic, Mild  
Histiocytic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:01

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 26

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 746

**DOSE:** 6 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ LEUKEMIA MONUC ] TGLs = 4-2

Note: [ LEUKEMIA MONUC ] TGLs = 5-2

Note: LEUKEMIA CONFOUNDS GRADING

Pancreas	Lobules	Atrophy	Mild
Prostate		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-3			
Stomach	Glandular	Ulcer	Moderate
Note: [ ULCER ] TGLs = 10-16			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-9			
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Talc

Time Report Requested: 19:07:01

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 14807-96-6

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: LITRI

ANIMAL ID: 27

TRT#: 8

SEX: Male

DAY ON TEST: 556

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Esophagus	Parathyroid Gland
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OBSERVATIONS

Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Minimal
Lung	Interstitialium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
Note: [ HYPERPLASIA ] TGLs = 2-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
	Mesenteric	Hyperplasia	Histiocytic, Minimal
[ Hyperplasia TGLS = 1-2 ]			
Prostate		Inflammation	Minimal
Testes	Interstit Cell	Hyperplasia	Minimal
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 28

TRT#: 2

SEX: Male

DAY ON TEST: 783

DOSE: 6 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Seminal Vesicle	Skin
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

AUTO PRECLUDES DIAG.

Intestine Small - Ileum	Intestine Small - Jejunum
-------------------------	---------------------------

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Moderate
	Mesent Artery	Mineralization	Moderate
Bone Marrow		Myelofibrosis	Mild
Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
Note: [ THROMBUS ] TGLs = 10-3			
Intestine Large	Cecum	Hemorrhage	Marked
[ Hemorrhage TGLS = 6-8,15 ]			
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 3-3			
Liver	Bile Duct	Hyperplasia	Moderate
Note: [ HYPERPLASIA ] TGLs = 5-4			
Lung		Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
		Mineralization	Moderate
Note: UREMIC PNEUMONIA CONFOUNDS GRADING			
Note: [ INFLAMMATION ] TGLs = 11-5,6			
Lymph Node	Bronchial	Hemorrhage	Moderate
	Mediastinal	Hemorrhage	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:01

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 28

**TRT#:** 2

**DOSE:** 6 MG/M3

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:** 783

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

	Bronchial	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 8-2			
Note: [ HYPERPLASIA ] TGLs = 9-2			
Prostate		Inflammation	Mild
Salivary Glands		Fibroma	
Note: [ FIBROMA ] TGLs = 1-10			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-3			
Stomach	Glandular	Mineralization	Marked
Testes	Bilateral, Interstit Cell	Adenoma	
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 29

TRT#: 2

SEX: Male

DAY ON TEST: 527

DOSE: 6 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Minimal
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Minimal
Preputial Gland		Carcinoma	
Note: MALIGNANCY BASED ON INVASIVE GROWTH & ANAPLASIA [ Carcinoma TGLS = 1-15 ]			
Prostate		Inflammation	Moderate
Spleen		Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 2-3			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 30

TRT#: 2

SEX: Male

DAY ON TEST: 799

DOSE: 6 MG/M3

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
Note: BASED ON INVASION CORTEX & VEIN			
Note: [ PHEOCHROM MAL ] TGLs = 3-14			
Bone Marrow		Inflammation	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Clear Cell Focus	Mild
		Degeneration	Cystic, Mild
Lung	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 4-2			
Pituitary Gland	Pars Distalis	Adenoma	
Testes	Interstit Cell	Adenoma	
		Hyperplasia	Lymphoid, Minimal
Note: [ ADENOMA ] TGLs = 6-16			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 31

TRT#: 2

DOSE: 6 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 657

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Salivary Glands	Seminal Vesicle	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

INSUFFICIENT TISSUE

Adrenal Gland - Medulla

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ]			
		TGLs = 2-5,6	
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Prostate		Inflammation	Mild
Skin		Fibroma	

[ Fibroma TGLS = 3-15 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 32

TRT#: 2

SEX: Male

DAY ON TEST: 759

DOSE: 6 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Larynx  
Mammary Gland  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Intestine Large - Colon  
Lymph Node - Mandibular  
Nose  
Seminal Vesicle  
Thymus

Bone Marrow  
Intestine Small - Duodenum  
Lymph Node - Mediastinal  
Pancreas  
Skin  
Thyroid Gland

Epididymis  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Preputial Gland  
Stomach - Forestomach  
Trachea

MISSING

Intestine Large - Rectum

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland  
Brain  
    Note: NECROSIS IS OF WHITE MATTER  
Heart  
    Note: MANY, PROMINENT MAST CELLS IN ALL TISSUES  
Kidney  
    Note: [ NEPHROPATHY ] TGLs = 5-3  
Liver  
    Note: [ ATROPHY ] TGLs = 4-4  
Lung  
    Note: [ INFLAMMATION ] TGLs = 6-5,6  
Lymph Node  
    Note: [ HYPERPLASIA ] TGLs = 7-2  
Parathyroid Gland  
Pituitary Gland  
    Note: [ CYST ] TGLs = 9-14

Bilateral, Medulla  
  
  
  
  
  
Centrilobular  
  
Bile Duct  
  
  
  
Bronchial

Pheochromocytoma Benign  
Necrosis  
  
Cardiomyopathy  
  
Nephropathy  
  
Atrophy  
Eosinophilic Focus  
Hyperplasia  
  
Inflammation  
  
Hyperplasia  
  
Hyperplasia  
Cyst

Focal, Moderate  
  
Moderate  
  
Moderate  
  
Moderate  
Minimal  
Marked  
  
Granulomatous, Mild  
  
Histiocytic, Moderate  
  
Mild  
Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:01

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 32

**TRT#:** 2

**DOSE:** 6 MG/M3

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:** 759

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Prostate		Inflammation	Moderate
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 3-3		
Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate
Note: [ ADENOMA ]	TGLs = 1-14		
Note: [ ATROPHY ]	TGLs = 2-9		

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 33

TRT#: 8

SEX: Male

DAY ON TEST: 333

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO: 50791033

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Esophagus	Lymph Node - Mediastinal	Mammary Gland	Parathyroid Gland
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OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	Mild
Intestine Small	Ileum, Peyers Patch	Hyperplasia	Lymphoid, Focal, Moderate
Note: [ HYPERPLASIA ] TGLs = 3-15			
Liver	Bile Duct	Hyperplasia	Mild
Lung	Interstitialium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 1-5.1-6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 2-2			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 34

TRT#: 2

SEX: Male

DAY ON TEST: 791

DOSE: 6 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Lymph Node - Mandibular  
Pancreas  
Salivary Glands  
Stomach - Forestomach  
Urinary Bladder

Bone  
Esophagus  
Lymph Node - Mesenteric  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Glandular

Bone Marrow  
Islets, Pancreatic  
Mammary Gland  
Preputial Gland  
Skin  
Thyroid Gland

Brain  
Larynx  
Nose  
Prostate  
Spleen  
Trachea

AUTO PRECLUDES DIAG.

Intestine Large - Cecum  
Intestine Small - Ileum

Intestine Large - Colon  
Intestine Small - Jejunum

Intestine Large - Rectum

Intestine Small - Duodenum

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland

Medulla  
Medulla

Pheochromocytoma Benign  
Pheochromocytoma Malignant

Note: [ PHEOCHROM MAL ] TGLs = 2-14

Note: MALIGNANCY BASED ON CAPSULE & VESSEL INVASION

Heart

Note: [ CARDIOMYOPATHY ] TGLs = 7-3,15

Cardiomyopathy

Mild

Kidney

Nephropathy

Moderate

Liver

Centrilobular

Atrophy  
Degeneration  
Eosinophilic Focus

Marked  
Cystic, Minimal  
Minimal

Bile Duct

Hyperplasia  
Inflammation

Mild  
Granulomatous, Mild

Lung

Note: [ INFLAMMATION ] TGLs = 5-5,6,16

Lymph Node

Bronchial  
Mediastinal

Hyperplasia  
Hyperplasia

Histiocytic, Moderate  
Histiocytic, Moderate

[ Hyperplasia TGLS = 3-2 ]

[ Hyperplasia TGLS = 4-2 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:01

**First Dose M/F:** NA / NA

**Lab:** LITRI

---

**ANIMAL ID:** 34

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 791

**DOSE:** 6 MG/M3

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Pituitary Gland

Pars Distalis

Hyperplasia

Minimal

Testes

Interstit Cell

Adenoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 35

TRT#: 2

SEX: Male

DAY ON TEST: 799

DOSE: 6 MG/M3

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Prostate  
Stomach - Forestomach  
Urinary Bladder

Bone  
Esophagus  
Intestine Small - Duodenum  
Larynx  
Nose  
Salivary Glands  
Stomach - Glandular

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Seminal Vesicle  
Thymus

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Preputial Gland  
Skin  
Trachea

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland  
Heart  
Kidney  
Note: [ NEPHROPATHY ] TGLs = 3,4-3  
Liver  
Note: [ DEGEN ] TGLs = 10-16  
Lung  
Note: [ HYPERPLASIA ] TGLs = 9-15  
Note: [ INFLAMMATION ] TGLs = 8-5,6  
Lymph Node  
[ Hyperplasia TGLS = 5-2 ]  
Pituitary Gland  
Spleen  
Note: [ FIBROSIS ] TGLs = 2-15  
Testes

Bilateral, Medulla  
  
  
  
Bile Duct  
  
Interstitial  
Alveolar Epith  
  
  
  
Bronchial  
Mediastinal  
  
Pars Distalis  
  
  
Interstitial Cell

Pheochromocytoma Benign  
Cardiomyopathy  
Nephropathy  
  
Degeneration  
Hyperplasia  
  
Fibrosis  
Hyperplasia  
Inflammation  
  
  
  
Hyperplasia  
Hyperplasia  
  
Adenoma  
Fibrosis  
  
Adenoma

Minimal  
Marked  
  
Cystic, Mild  
Mild  
  
Focal, Minimal  
Mild  
Granulomatous, Minimal  
  
  
  
Histiocytic, Mild  
Histiocytic, Mild  
  
  
Focal, Moderate

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:01

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 35

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 799

**DOSE:** 6 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ ADENOMA ] TGLs = 1-9  
Thyroid Gland  
[ Adenoma TGLS = 6-2 ]

C Cell

Hyperplasia

Lymphoid, Mild

Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 36

TRT#: 2

SEX: Male

DAY ON TEST: 799

DOSE: 6 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Note: [ PHEOCHROM BGN ] TGLs = 6-14			
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 5-3			
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Mild
	Bile Duct	Hyperplasia	Mild
Note: [ CLEAR CL FOCUS ] TGLs = 10-15			
Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 9-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
	Mandibular	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 1-10			
Note: [ HYPERPLASIA ] TGLs = 8-2			
Note: [ HYPERPLASIA ] TGLs = 7-2			
Nose	Respirat Epith	Hyperplasia	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:01

**First Dose M/F:** NA / NA

**Lab:** LITRI

---

**ANIMAL ID:** 36

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 799

**DOSE:** 6 MG/M3

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pituitary Gland

Pars Distalis

Hyperplasia

Minimal

Pars Nervosa

Hyperplasia

Mild

Spleen

Leukemia Mononuclear

[ Leukemia Mononuclear TGLS = 4-3 ]

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 2-9

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 49

TRT#: 2

SEX: Male

DAY ON TEST: 593

DOSE: 6 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Mammary Gland	Nose
Preputial Gland	Salivary Glands	Seminal Vesicle	Skin
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
	Atrium	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 11-3		Thrombosis	
Kidney		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 6,7-3		Nephropathy	Minimal
Liver	Centrilobular	Degeneration	Marked
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ DEGEN ] TGLs = 5-4			
Lung	Interstitium	Fibrosis	Focal, Minimal
		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 13-5,6			
Note: LEUKEMIA CONFOUNDS GRADING			
Lymph Node	Bronchial	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:01

First Dose M/F: NA / NA

Lab: LITRI

<b>ANIMAL ID:</b> 49	<b>TRT#:</b> 2 <b>DOSE:</b> 6 MG/M3	<b>SEX:</b> Male <b>DISP:</b> Moribund Sacrifice	<b>DAY ON TEST:</b> 593 <b>HISTO:</b>
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ORGAN AND ACCOUNTABLE SITE STATUS

	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 8-15		
Note: [ LEUKEMIA MONUC ]	TGLs = 3-8		
Note: [ LEUKEMIA MONUC ]	TGLs = 12-2		
Note: [ LEUKEMIA MONUC ]	TGLs = 10-2		
Note: [ LEUKEMIA MONUC ]	TGLs = 4-7		
Note: [ LEUKEMIA MONUC ]	TGLs = 1-10		
Note: [ LEUKEMIA MONUC ]	TGLs = 9-15		
Pancreas	Lobules	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Note: [ HYPERPLASIA ]	TGLs = 14-14		
Prostate		Inflammation	Moderate
Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 2-3		
Stomach	Forestomach	Ulcer	Marked
Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 50

TRT#: 2

SEX: Male

DAY ON TEST: 781

DOSE: 6 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Salivary Glands	Seminal Vesicle	Skin	Spleen
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Moderate
	Mesent Artery	Mineralization	Moderate
Bone		Fibrous Osteodystrophy	
Brain		Compression	
Heart		Cardiomyopathy	Mild
	Myocardium	Mineralization	Mild
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 2-3			
Liver		Basophilic Focus	Mild
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Alveolar/Bronchiolar Adenoma	
	Interstitium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
	Interstitium	Mineralization	Moderate
Note: [ MINERALIZATION ] TGLs = 5-16			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Minimal
	Mediastinal	Hyperplasia	Histiocytic, Minimal
Nose	Mucosa	Inflammation	Suppurative, Mild
Parathyroid Gland		Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 50

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 781

**DOSE:** 6 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: LARGE,MODERATE ANAPLASIA,NO INVASION OR METS

Note: [ ADENOMA ] TGLs = 3-14

Preputial Gland

Inflammation

Minimal

Prostate

Inflammation

Mild

Stomach

Forestomach

Mineralization

Moderate

Glandular

Mineralization

Moderate

Testes

Interstit Cell

Adenoma

Atrophy

Moderate

Note: [ ATROPHY ] TGLs = 1-9

Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 51

TRT#: 2

DOSE: 6 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 780

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Mammary Gland	Nose	Preputial Gland
Salivary Glands	Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
[ Pheochromocytoma Benign TGLs = 5-14 ]			
Bone Marrow		Atrophy	Focal, Moderate
Brain		Compression	
Heart	Atrium	Cardiomyopathy	Mild
		Thrombosis	
Note: [ THROMBUS ] TGLs = 8-3			
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 6-3			
Liver	Bile Duct	Degeneration	Cystic, Moderate
		Hyperplasia	Mild
		Leukemia Mononuclear	
Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Moderate
Note: [ INFLAMMATION ] TGLs = 10-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Minimal
	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-2			
Pancreas	Lobules	Atrophy	Mild
Pituitary Gland	Pars Distalis	Carcinoma	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 51

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 780

**DOSE:** 6 MG/M3

**DISP:** Natural Death

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: BASED ON MARKED ANAPLASIA & SUGGEST RAPID GROWTH

Note: [ CARCINOMA ] TGLs = 12-14

Prostate		Inflammation	Mild
Skin		Neurofibroma	
	[ Neurofibroma TGLS = 1-15 ]		
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate
	[ Adenoma TGLS = 3-9 ]		
	[ Atrophy TGLS = 2-9 ]		
Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 52

TRT#: 2

SEX: Male

DAY ON TEST: 799

DOSE: 6 MG/M3

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
Note: [ DEGEN ] TGLs = 7-16			
Lung	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Spleen		Fibrosis	Focal, Marked
Note: [ FIBROSIS ] TGLs = 1-15			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2,3-9,15			
Thyroid Gland	C Cell	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:02  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 52

**TRT#:** 2  
**DOSE:** 6 MG/M3

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 799  
**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 53

TRT#: 2

SEX: Male

DAY ON TEST: 690

DOSE: 6 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney	Renal Tubule	Necrosis	Moderate
		Nephropathy	Mild
[ Nephropathy TGLS = 4-3,15 ]			
Liver	Centrilobular	Degeneration	Mild
		Eosinophilic Focus	Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-4			
Note: [ EOSIN FOCUS ] TGLs = 8-17			
Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 7-2			
Note: [ HYPERPLASIA ] TGLs = 6-2			
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 54

TRT#: 8

SEX: Male

DAY ON TEST: 556

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Esophagus	Lymph Node - Mandibular	Thyroid Gland
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OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Parasite Metazoan	Minimal
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
Lung	Interstitium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Mild
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
[ Hyperplasia TGLS = 1-2 ]			
Pituitary Gland		Cyst	
Testes	Interstit Cell	Adenoma	

Note: [ ADENOMA ] TGLs = 4-9

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Talc

Time Report Requested: 19:07:02

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 14807-96-6

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: LITRI

ANIMAL ID: 56

TRT#: 2

SEX: Male

DAY ON TEST: 740

DOSE: 6 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
Lung	Alveolar Epith	Hyperplasia	Mild
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 3-2			
Preputial Gland		Carcinoma	
Note: MALIGNANCY BASED ON ANAPLASIA & GROWTH PATTERN			
[ Carcinoma TGLS = 1-15 ]			
Testes		Atrophy	Moderate
Note: [ ATROPHY ] TGLs = 2-9			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:02  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 56

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 740

**DOSE:** 6 MG/M3

**DISP:** Natural Death

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 57

TRT#: 2

SEX: Male

DAY ON TEST: 663

DOSE: 6 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Minimal
Lung		Inflammation	Granulomatous, Mild
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 3-2			
Note: [ HYPERPLASIA ] TGLs = 4-2			
Nose		Sarcoma	
Note: CYTOLOGIC DETAIL OF FIBROSARCOMA BUT MASSON -			
Note: INVASIVE, DESTROYED MAXILLOTURBINATE			
Skin		Keratoacanthoma	
[ Keratoacanthoma TGLS = 1-15 ]			
Testes	Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-9 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 58

TRT#: 8

SEX: Male

DAY ON TEST: 193

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Larynx  
Mammary Gland  
Pituitary Gland  
Seminal Vesicle  
Stomach - Glandular  
Trachea

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Liver  
Nose  
Preputial Gland  
Skin  
Testes  
Urinary Bladder

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Pancreas  
Prostate  
Spleen  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mesenteric  
Parathyroid Gland  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

PRESENT BUT NOT EXAMINED

Eye  
Tongue

OBSERVATIONS

Lung  
Note: AND CONTAIN REFRACTIVE PARTICLES  
Note: LESIONS APPEAR TO BE EARLY GRANULOMAS  
Inflammation  
Granulomatous, Mild  
Lymph Node  
Bronchial  
Mediastinal  
Hyperplasia  
Hyperplasia  
Histiocytic, Minimal  
Histiocytic, Minimal  
Note: HISTIOCYTIC FOCI CONTAIN REFRACTIVE PARTICLES

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 59

TRT#: 2

SEX: Male

DAY ON TEST: 544

DOSE: 6 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Nose  
Salivary Glands

Bone  
Esophagus  
Parathyroid Gland  
Skin

Bone Marrow  
Larynx  
Pituitary Gland  
Trachea

Brain  
Mammary Gland  
Preputial Gland  
Urinary Bladder

MISSING

Prostate

Seminal Vesicle

Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum  
Intestine Small - Ileum  
Pancreas

Intestine Large - Colon  
Intestine Small - Jejunum  
Stomach - Forestomach

Intestine Large - Rectum  
Islets, Pancreatic  
Stomach - Glandular

Intestine Small - Duodenum  
Kidney  
Thyroid Gland

OBSERVATIONS

Adrenal Gland

Medulla  
Medulla

Hyperplasia  
Pheochromocytoma Malignant

Marked

Note: MALIGNANCY BASED ON VESSEL INVASION

Heart

Cardiomyopathy

Minimal

Liver

Centrilobular

Degeneration

Mild

Bile Duct

Degeneration

Cystic, Mild

Hyperplasia

Minimal

Leukemia Mononuclear

Lung

Inflammation

Granulomatous, Mild

Note: [ INFLAMMATION ] TGLs = 6-5,6

Note: LEUKAMIA & AUTOLYSIS CONFOUND GRADING

Lymph Node

Mandibular  
Mediastinal  
Mesenteric  
Bronchial

Hemorrhage

Marked

Hemorrhage

Marked

Hemorrhage

Marked

Hyperplasia

Histiocytic, Mild

Note: [ HEMORRHAGE ] TGLs = 5-2

Note: [ HEMORRHAGE ] TGLs = 4-8

Note: [ HEMORRHAGE ] TGLs = 1-10

Spleen

Leukemia Mononuclear

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 59

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 544

**DOSE:** 6 MG/M3

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ LEUKEMIA MONUC ] TGLs = 3-3

Note: AUTOLYSIS MARKED,BASED ON ENLARGEMENT & PATTERN

Testes

Interstit Cell

Adenoma

[ Adenoma TGLS = 2-9 ]

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 60

TRT#: 2

DOSE: 6 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 650

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mediastinal	Mammary Gland	Nose
Pancreas	Pituitary Gland	Preputial Gland	Salivary Glands
Seminal Vesicle	Skin	Thyroid Gland	Trachea

MISSING

Parathyroid Gland	Prostate
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AUTO PRECLUDES DIAG.

Bone Marrow

OBSERVATIONS

Epididymis		Spermatocele	
Note: [ SPERMATOCELE ] TGLs = 11-15			
Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	
Note: [ THROMBUS ] TGLs = 7-3			
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Degeneration	Marked
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Marked
Note: [ DEGEN ] TGLs = 6-4			
Lung	Interstitial	Fibrosis	Focal, Minimal
		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 10-5,6 ]			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 9-2			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 60

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 650

**DOSE:** 6 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ LEUKEMIA MONUC ] TGLs = 5-8			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-3			
Stomach	Forestomach	Ulcer	Moderate
	Glandular	Ulcer	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2,3-9			
Thymus		Leukemia Mononuclear	
Urinary Bladder		Leukemia Mononuclear	

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 73

TRT#: 2

SEX: Male

DAY ON TEST: 604

DOSE: 6 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Nose	Pancreas
Pituitary Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Thymus	Trachea	Urinary Bladder

MISSING

Intestine Large - Rectum	Lymph Node - Bronchial	Mammary Gland	Prostate
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OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
	Mesent Artery	Mineralization	Marked
	Mesent Artery	Thrombosis	
Note: [ THROMBUS ] TGLs = 5-7			
Note: THROMBUS IN PANC.MISTAKEN AS L.N. @ GROSS NECROPSY			
Note: [ MINERALIZATION ] TGLs = 8-16			
Heart		Cardiomyopathy	Moderate
	Myocardium	Mineralization	Marked
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 6-3			
Liver		Basophilic Focus	Minimal
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung		Inflammation	Granulomatous, Minimal
		Mineralization	Marked
Note: MINERALIZATION W/ INFLAM.CONFOUNDS GRADING			
Note: [ MINERALIZATION ] TGLs = 7-5,6			
Lymph Node	Mediastinal	Hyperplasia	Histiocytic, Minimal
	Mesenteric	Hyperplasia	Lymphoid, Moderate
Note: [ HYPERPLASIA ] TGLs = 4-8			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 73

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 604

**DOSE:** 6 MG/M3

**DISP:** Natural Death

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Parathyroid Gland		Hyperplasia	Marked
Spleen		Fibrosis	Focal, Marked
		Hematopoietic Cell Proliferation	Moderate
	[ Hematopoietic Cell Proliferation TGLS = 1-15 ]		
Stomach	Forestomach	Mineralization	Moderate
	Glandular	Mineralization	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	
	Note: [ ADENOMA ] TGLs = 2,3-9		
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 74

TRT#: 2

SEX: Male

DAY ON TEST: 799

DOSE: 6 MG/M3

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
	Mediastinal	Hyperplasia	Histiocytic, Moderate
[ Hyperplasia TGLS = 3-2 ]			
[ Hyperplasia TGLS = 2-2 ]			
Parathyroid Gland		Hyperplasia	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-9			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 75

TRT#: 2

SEX: Male

DAY ON TEST: 799

DOSE: 6 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Larynx  
Pancreas  
Salivary Glands  
Thymus

Bone  
Esophagus  
Lymph Node - Mandibular  
Parathyroid Gland  
Seminal Vesicle  
Thyroid Gland

Bone Marrow  
Intestine Large - Rectum  
Mammary Gland  
Preputial Gland  
Stomach - Forestomach  
Trachea

Brain  
Intestine Small - Duodenum  
Nose  
Prostate  
Stomach - Glandular  
Urinary Bladder

MISSING

Islets, Pancreatic

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Large - Colon

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland  
Bilateral, Medulla  
Note: [ PHEOCHROM BGN ] TGLs = 7-14

Pheochromocytoma Benign

Heart  
Kidney  
[ Nephropathy TGLS = 6-3 ]

Cardiomyopathy  
Nephropathy

Mild  
Moderate

Liver  
Centrilobular  
Bile Duct  
Note: [ DEGEN ] TGLs = 5-4  
Note: [ DEGEN ] TGLs = 5,14-4,16

Basophilic Focus  
Degeneration  
Eosinophilic Focus  
Hyperplasia  
Leukemia Mononuclear

Minimal  
Mild  
Mild  
Marked

Lung  
Interstitial  
Note: [ INFLAMMATION ] TGLs = 10-5,6

Fibrosis  
Inflammation

Focal, Minimal  
Granulomatous, Mild

Lymph Node  
Bronchial  
Mediastinal  
Mesenteric  
Note: [ LEUKEMIA MONUC ] TGLs = 4-8

Hyperplasia  
Hyperplasia  
Leukemia Mononuclear

Histiocytic, Minimal  
Histiocytic, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 75

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 799

**DOSE:** 6 MG/M3

**DISP:** Natural Death

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Skin	Subcut Tiss	Fibroma	
[ Fibroma TGLS = 11-15 ]			
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-3 ]			
Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-9 ]			

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Talc

Time Report Requested: 19:07:02

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 14807-96-6

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: LITRI

ANIMAL ID: 76

TRT#: 8

SEX: Male

DAY ON TEST: 738

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Larynx
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Histiocytic, Mild
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Hyperplasia	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Minimal
Lung	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 4-6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mandibular	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 1-10			
Note: [ HYPERPLASIA ] TGLs = 3-15			
Note: [ HYPERPLASIA ] TGLs = 2-2			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 5,6-9			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:02  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 76

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 6 MG/M3 LUNG TOX

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 77

TRT#: 8

SEX: Male

DAY ON TEST: 556

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
	Medulla	Hyperplasia	Minimal
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
Lung	Interstitialium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Minimal
Note: [ HYPERPLASIA ] TGLs = 2-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Minimal
	Mediastinal	Hyperplasia	Histiocytic, Minimal
Testes	Interstitial Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-9			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 78

TRT#: 2

SEX: Male

DAY ON TEST: 800

DOSE: 6 MG/M3

DISP: Terminal Sacrifice

HISTO: 82

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Prostate  
Stomach - Forestomach  
Trachea

Bone  
Esophagus  
Intestine Small - Duodenum  
Larynx  
Nose  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Seminal Vesicle  
Thymus

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Skin  
Thyroid Gland

OBSERVATIONS

Adrenal Gland  
Heart  
Kidney  
Liver

Bilateral, Medulla

Pheochromocytoma Benign  
Cardiomyopathy  
Nephropathy  
Degeneration  
Eosinophilic Focus

Moderate  
Moderate  
Cystic, Mild  
Moderate

Note: [ DEGEN ] TGLs = 6,11,12-4,16

Lung  
  
Note: [ INFLAMMATION ] TGLs = 9-5,6

Interstitial  
Alveolar Epith  
Peribronchial

Fibrosis  
Hyperplasia  
Hyperplasia  
Inflammation

Focal, Minimal  
Mild  
Histiocytic, Mild  
Granulomatous, Mild

Lymph Node  
  
[ Hyperplasia TGLS = 7-2 ]  
[ Hyperplasia TGLS = 8-2 ]

Bronchial  
Mediastinal

Hyperplasia  
Hyperplasia

Histiocytic, Mild  
Histiocytic, Mild

Pituitary Gland  
Note: [ ADENOMA ] TGLs = 10-14  
Preputial Gland  
Note: BAASED ON LOCAL INVASION  
Note: [ ADENOCARC ] TGLs = 1-15

Pars Distalis

Adenoma  
  
Carcinoma

Spleen

Fibrosis

Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 78

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 800

**DOSE:** 6 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:** 82

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 4-3

Note: [ FIBROSIS ] TGLs = 5-15

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 2,3-9

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 79

TRT#: 2

SEX: Male

DAY ON TEST: 633

DOSE: 6 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Larynx	Lymph Node - Bronchial	Lymph Node - Mediastinal
Mammary Gland	Parathyroid Gland	Pituitary Gland	Salivary Glands
Seminal Vesicle	Trachea		

MISSING

Preputial Gland	Prostate
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AUTO PRECLUDES DIAG.

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Nose	Pancreas	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Urinary Bladder	

OBSERVATIONS

Heart		Cardiomyopathy	Moderate
	Myocardium	Inflammation	Mild
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
Lung		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 6-5,6			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-8			
Note: [ LEUKEMIA MONUC ] TGLs = 5-10			
Skin		Cyst Epithelial Inclusion	
[ Cyst Epithelial Inclusion TGLS = 1-15 ]			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 7,8-3,15			
Testes		Atrophy	Mild
Note: [ ATROPHY ] TGLs = 9-9			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 79

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 633

**DOSE:** 6 MG/M3

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Thymus

Leukemia Mononuclear

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 80

TRT#: 8

SEX: Male

DAY ON TEST: 738

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Parasite Metazoan	
	Colon	Parasite Metazoan	
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	Mild
Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ HYPERPLASIA ] TGLs = 2-6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
	Mesenteric	Hyperplasia	Histiocytic, Mild
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 5-14			
Spleen		Infarct	Minimal
Note: [ INFARCT ] TGLs = 4-3			
Testes		Atrophy	Mild
Note: [ ATROPHY ] TGLs = 3-9			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 80

**TRT#:** 8

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 6 MG/M3 LUNG TOX

**DISP:** Scheduled Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Talc

Time Report Requested: 19:07:02

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 14807-96-6

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: LITRI

ANIMAL ID: 81

TRT#: 8

SEX: Male

DAY ON TEST: 738

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney	Cortex	Hamartoma	
		Nephropathy	Mild
Note: LESION CONSISTS OF MATURE SKELETAL MUSCLE			
Note: [ HAMARTOMA ] TGLs = 4-3,15			
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung	Interstitialium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 2-6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 1-2			
Testes	Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 3-9			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 82

TRT#: 8

SEX: Male

DAY ON TEST: 333

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO: 50791082

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Larynx  
Mammary Gland  
Preputial Gland  
Skin  
Testes  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Bronchial  
Nose  
Prostate  
Spleen  
Thymus

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Pancreas  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mesenteric  
Pituitary Gland  
Seminal Vesicle  
Stomach - Glandular  
Trachea

MISSING

Lymph Node - Mediastinal

Parathyroid Gland

OBSERVATIONS

Liver  
Lung

Bile Duct  
Alveolar Epith

Hyperplasia  
Hyperplasia  
Inflammation

Minimal  
Mild  
Granulomatous, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 83

TRT#: 2

DOSE: 6 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 728

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Mammary Gland	Pancreas
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex Medulla	Hyperplasia Pheochromocytoma Benign	Focal, Marked
Note: MALIGNANCY BASED ON VESSEL & CAPSULE INVASION			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
[ Nephropathy TGLS = 4-3 ]			
Liver		Degeneration Fatty Change	Cystic, Minimal Mild
	Bile Duct	Hyperplasia	Minimal
Note: [ FATTY CHANGE ] TGLs = 10-17			
Note: 8			
Lung		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Lymph Node	Mesenteric Bronchial Mediastinal	Hemorrhage Hyperplasia Hyperplasia	Moderate Histiocytic, Moderate Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 7-2			
Note: [ HYPERPLASIA ] TGLs = 6-2			
Note: [ HEMORRHAGE ] TGLs = 2-8			
Nose		Inflammation	Suppurative, Minimal
Parathyroid Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 83

**TRT#:** 2

**DOSE:** 6 MG/M3

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:** 728

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Stomach Note: [ ULCER ] TGLs = 3-7	Forestomach	Ulcer	Marked
Testes [ Atrophy TGLS = 1-9 ]		Atrophy	Marked
Tissue NOS Note: [ PHEOCHROM MAL ] TGLs = 8-15		Pheochromocytoma Malignant	Metastatic (Adrenal Gland)
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 84

TRT#: 2

SEX: Male

DAY ON TEST: 739

DOSE: 6 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Islets, Pancreatic

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Parasite Metazoan	
	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Mild
Liver	Centrilobular	Degeneration	Moderate
		Eosinophilic Focus	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[ Eosinophilic Focus TGLs = 4-4,15 ]			
Lung	Alveolar Epith	Hyperplasia	Mild
	Peribronchial	Hyperplasia	Histiocytic, Mild
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 7-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 5-2			
Note: [ HYPERPLASIA ] TGLs = 6-2			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

---

**ANIMAL ID:** 84

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 739

**DOSE:** 6 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pituitary Gland Note: [ ADENOMA ] TGLs = 8-14	Pars Distalis	Adenoma
Preputial Gland Note: MALIGNANCY BASED ON ANAPLASIA & INVASION LOCALLY [ Carcinoma TGLS = 1-15 ]		Carcinoma
Spleen Note: [ LEUKEMIA MONUC ] TGLs = 3-3		Leukemia Mononuclear
Testes Note: [ ADENOMA ] TGLs = 2-9	Bilateral, Interstit Cell	Adenoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 97

TRT#: 2

SEX: Male

DAY ON TEST: 734

DOSE: 6 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Note: [ PHEOCHROM BGN ] TGLs = 5-14			
Blood Vessel	Aorta	Mineralization	Moderate
	Mesent Artery	Mineralization	Moderate
Note: [ MINERALIZATION ] TGLs = 6-15,3			
Heart		Cardiomyopathy	Moderate
	Myocardium	Mineralization	Mild
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 4-3			
Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Inflammation	Granulomatous, Minimal
		Inflammation	Suppurative, Marked
Note: [ INFLAMMATION ] TGLs = 8-6			
Note: [ INFLAMMATION ] TGLs = 7-5,6,15			
Note: [ INFLAMMATION ] TGLs = 10-15			
Note: PLANT FIBERS IN AIRWAY = ASPIRATION PNEUMONIA			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Minimal
	Mediastinal	Hyperplasia	Histiocytic, Minimal
Nose	Mucosa	Inflammation	Suppurative, Moderate

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 97

TRT#: 2

SEX: Male

DAY ON TEST: 734

DOSE: 6 MG/M3

DISP: Moribund Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

Parathyroid Gland

Hyperplasia

Moderate

Prostate

Inflammation

Mild

Spleen

Hematopoietic Cell Proliferation

Moderate

Note: [ HEMA CELL PROL ] TGLs = 3-15

Stomach

Glandular

Mineralization

Moderate

Testes

Interstit Cell

Adenoma

Atrophy

Moderate

Note: [ ATROPHY ] TGLs = 2-9

Note: [ ADENOMA ] TGLs = 1-9

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 98

TRT#: 2

SEX: Male

DAY ON TEST: 757

DOSE: 6 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Larynx  
Pancreas  
Seminal Vesicle  
Trachea

Bone Marrow  
Intestine Large - Colon  
Lymph Node - Mesenteric  
Preputial Gland  
Spleen  
Urinary Bladder

Brain  
Intestine Small - Duodenum  
Mammary Gland  
Prostate  
Thymus

Epididymis  
Intestine Small - Jejunum  
Nose  
Salivary Glands  
Thyroid Gland

MISSING

Intestine Large - Rectum

Islets, Pancreatic

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland  
Blood Vessel

Bilateral, Medulla  
Aorta  
Mesent Artery

Pheochromocytoma Benign  
Mineralization  
Mineralization  
Fibrous Osteodystrophy  
Cardiomyopathy  
Mineralization

Moderate  
Moderate  
Mild  
Moderate  
Marked

Bone  
Heart

Myocardium

Nephropathy

Marked

[ Cardiomyopathy TGLS = 6-3 ]

Kidney

[ Nephropathy TGLS = 5-3 ]

Liver

Fatty Change  
Hyperplasia  
Inflammation  
Mineralization

Moderate  
Mild  
Granulomatous, Minimal  
Moderate

Lung

Bile Duct

Note: [ INFLAMMATION ] TGLs = 9-5,6

Note: [ MINERALIZATION ] TGLs = 9-5,6

Lymph Node

Mediastinal  
Bronchial  
Mandibular  
Mediastinal

Hemorrhage  
Hyperplasia  
Hyperplasia  
Hyperplasia

Moderate  
Histiocytic, Moderate  
Plasma Cell, Moderate  
Histiocytic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 98

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 757

**DOSE:** 6 MG/M3

**DISP:** Natural Death

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 7-2

Note: [ HYPERPLASIA ] TGLs = 2-10

Note: [ HEMORRHAGE ] TGLs = 8-2

Parathyroid Gland

Hyperplasia

Moderate

Note: [ HYPERPLASIA ] TGLs = 11-2

Pituitary Gland

Pars Distalis

Adenoma

Note: [ ADENOMA ] TGLs = 10-14

Skin

Subcut Tiss

Fibrosarcoma

[ Fibrosarcoma TGLS = 1-15 ]

Stomach

Forestomach

Mineralization

Marked

Glandular

Mineralization

Marked

Forestomach

Ulcer

Marked

Note: [ ULCER ] TGLs = 4-7

Testes

Bilateral, Interstit Cell

Adenoma

[ Adenoma TGLS = 3-9 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 99

TRT#: 2

SEX: Male

DAY ON TEST: 800

DOSE: 6 MG/M3

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Larynx

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Nose

Pituitary Gland

Prostate

Salivary Glands

Seminal Vesicle

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Trachea

Urinary Bladder

OBSERVATIONS

Adrenal Gland

Bilateral, Medulla

Pheochromocytoma Benign

Eye

Cataract

Moderate

Retina

Degeneration

Moderate

Note: [ CATARACT ] TGLs = 6-17

Heart

Cardiomyopathy

Moderate

Intestine Large

Rectum

Parasite Metazoan

Kidney

Nephropathy

Moderate

Liver

Basophilic Focus

Minimal

Clear Cell Focus

Mild

Degeneration

Cystic, Minimal

Bile Duct

Hyperplasia

Minimal

Inflammation

Granulomatous, Focal, Minimal

Note: [ CLEAR CL FOCUS ] TGLs = 7-18

Lung

Interstitial

Fibrosis

Focal, Minimal

Alveolar Epith

Hyperplasia

Minimal

Inflammation

Granulomatous, Mild

Note: [ INFLAMMATION ] TGLs = 5-5,6

Lymph Node

Bronchial

Hyperplasia

Histiocytic, Moderate

Mediastinal

Hyperplasia

Histiocytic, Mild

[ Hyperplasia TGLS = 4-2 ]

Pancreas

Lobules

Atrophy

Mild

Parathyroid Gland

Hyperplasia

Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 99

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 800

**DOSE:** 6 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

Preputial Gland

Inflammation

Mild

Skin

Keratoacanthoma

Note: [ KERATOACANTHOMA ] TGLs = 1-15

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 2,3-9,15

Thyroid Gland

C Cell

Adenoma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 100

TRT#: 2

DOSE: 6 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 673

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Larynx
Lymph Node - Mediastinal	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Islets, Pancreatic

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
[ Pheochromocytoma Benign TGLS = 3-14 ]			
Brain		Hemorrhage	Moderate
[ Hemorrhage TGLS = 8-1,15 ]			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Minimal
Lung	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 6-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mandibular	Hyperplasia	Lymphoid, Moderate
	Mesenteric	Hyperplasia	Lymphoid, Moderate
Note: [ HYPERPLASIA ] TGLs = 1-10			
Note: [ HYPERPLASIA ] TGLs = 5-2			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-14 ]			
Preputial GI			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 100

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 673

**DOSE:** 6 MG/M3

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: ON SLIDE 16

Prostate

Inflammation

Moderate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 101

TRT#: 8

SEX: Male

DAY ON TEST: 333

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO: 50791101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Liver  
Nose  
Prostate  
Spleen  
Thymus

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Bronchial  
Pancreas  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

Bone  
Esophagus  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mesenteric  
Pituitary Gland  
Seminal Vesicle  
Stomach - Glandular  
Trachea

Bone Marrow  
Heart  
Intestine Small - Ileum  
Larynx  
Mammary Gland  
Preputial Gland  
Skin  
Testes  
Urinary Bladder

MISSING

Lymph Node - Mandibular

Lymph Node - Mediastinal

Parathyroid Gland

OBSERVATIONS

Intestine Large  
Lung

Cecum  
Interstitialium  
Alveolar Epith

Parasite Metazoan  
Fibrosis  
Hyperplasia  
Inflammation

Minimal  
Focal, Minimal  
Mild  
Granulomatous, Mild

Note: [ INFLAMMATION ] TGLs = 1-5.1-6

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 102

TRT#: 2

DOSE: 6 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 715

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Larynx  
Pancreas  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Rectum  
Lymph Node - Mandibular  
Pituitary Gland  
Seminal Vesicle  
Thymus

Bone  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mesenteric  
Preputial Gland  
Skin  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Islets, Pancreatic  
Mammary Gland  
Prostate  
Spleen  
Trachea

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Heart  
Kidney  
Liver

Cardiomyopathy  
Nephropathy  
Basophilic Focus  
Hyperplasia  
Inflammation

Mild  
Minimal  
Mild  
Minimal  
Granulomatous, Mild

Lung  
Note: [ INFLAMMATION ] TGLs = 2-5,6

Bile Duct

Hyperplasia  
Hyperplasia  
Inflammation

Histiocytic, Mild  
Histiocytic, Mild  
Suppurative, Mild

Lymph Node

Bronchial  
Mediastinal

Adenoma

Nose

Mucosa

Ulcer

Minimal

Parathyroid Gland

Stomach

Forestomach

Testes

Bilateral, Interstit Cell

Adenoma

[ Adenoma TGLS = 1-9 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 103

TRT#: 2

DOSE: 6 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 593

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mediastinal

OBSERVATIONS

Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Heart		Cardiomyopathy	Moderate
Intestine Small	Ileum	Hyperplasia	Lymphoid, Moderate
Liver	Centrilobular	Degeneration	Marked
	Bile Duct	Fatty Change	Moderate
		Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Inflammation	Granulomatous, Minimal
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
Prostate		Inflammation	Moderate
Spleen		Leukemia Mononuclear	

Note: [ DEGEN ] TGLs = 2-4

Note: [ INFLAMMATION ] TGLs = 4-5,6

[ Leukemia Mononuclear TGLS = 1-3 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 104

TRT#: 2

SEX: Male

DAY ON TEST: 762

DOSE: 6 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Small - Jejunum  
Pancreas  
Skin  
Urinary Bladder

Bone Marrow  
Intestine Large - Colon  
Larynx  
Preputial Gland  
Spleen

Brain  
Intestine Large - Rectum  
Lymph Node - Mandibular  
Salivary Glands  
Thymus

Epididymis  
Intestine Small - Duodenum  
Mammary Gland  
Seminal Vesicle  
Trachea

MISSING

Islets, Pancreatic

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Small - Ileum

Nose

INSUFFICIENT TISSUE

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland  
Bone  
Heart

Bilateral, Medulla

Pheochromocytoma Benign  
Fibrous Osteodystrophy  
Cardiomyopathy  
Mineralization  
Inflammation  
Nephropathy

Mild  
Mild  
Moderate  
Marked

Kidney

Myocardium  
Medulla

Basophilic Focus  
Fatty Change  
Hematocyst  
Inflammation  
Mineralization

Minimal  
Minimal

Note: [ NEPHROPATHY ] TGLs = 4-3  
Liver

Lung

Note: [ MINERALIZATION ] TGLs = 5-5,6  
Note: RED, FIRM LUNG = INFLAMMATION ASSOC. W/ MINERALIZ.  
Note: [ INFLAMMATION ] TGLs = 6-5,6

Lymph Node

Bronchial

Hyperplasia

Granulomatous, Minimal  
Mild

Histiocytic, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 104

TRT#: 2

SEX: Male

DAY ON TEST: 762

DOSE: 6 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Parathyroid Gland	Mediastinal	Hyperplasia	Histiocytic, Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[ Adenoma TGLS = 7-14 ]		Adenoma	
Prostate		Inflammation	Marked
[ Inflammation TGLS = 3-9 ]			
Stomach	Forestomach	Mineralization	Minimal
	Glandular	Mineralization	Minimal
Testes	Interstit Cell	Adenoma	
[ Adenoma TGLS = 1-9 ]		Atrophy	Moderate
[ Atrophy TGLS = 2-9 ]			
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 105

TRT#: 2

DOSE: 6 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 558

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Medulla	Pheochromocytoma Complex	
Note: MALIGNANT BASED ON SIZE & ANAPLASIA [ Pheochromocytoma Benign TGLS = 2-14,15 ]			
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 3-2			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 4-14 ]			
Preputial Gland		Carcinoma	
Note: [ CARCINOMA ] TGLs = 1-15 Note: MALIGNANCY BASED ON SIZE & ANAPLASIA			
Prostate		Inflammation	Mild
Testes		Atrophy	Marked
	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 107

TRT#: 2

SEX: Male

DAY ON TEST: 529

DOSE: 6 MG/M3

DISP: Moribund 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	Larynx
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Minimal
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Degeneration	Moderate
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [ DEGEN ] TGLs = 6-4			
Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 11-5,6			
Note: [ INFLAMMATION ] TGLs = 12-5,6			
Lymph Node	Axillary	Leukemia Mononuclear	
	Bronchial	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 107

TRT#: 2

SEX: Male

DAY ON TEST: 529

DOSE: 6 MG/M3

DISP: Moribund Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

Renal

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 1-10,16

Note: [ LEUKEMIA MONUC ] TGLs = 3-8

Note: [ LEUKEMIA MONUC ] TGLs = 4-8

Note: [ LEUKEMIA MONUC ] TGLs = 5-15,17

Note: [ LEUKEMIA MONUC ] TGLs = 10-2

Note: [ LEUKEMIA MONUC ] TGLs = 9-2

Note: [ LEUKEMIA MONUC ] TGLs = 8-15,17

Pancreas

Leukemia Mononuclear

Spleen

Leukemia Mononuclear

[ Leukemia Mononuclear TGLS = 2-3 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 108

TRT#: 8

SEX: Male

DAY ON TEST: 194

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Liver  
Lymph Node - Mesenteric  
Preputial Gland  
Skin  
Testes

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Bronchial  
Mammary Gland  
Prostate  
Spleen  
Thymus

Bone  
Esophagus  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mandibular  
Nose  
Salivary Glands  
Stomach - Forestomach  
Trachea

Bone Marrow  
Heart  
Intestine Small - Ileum  
Larynx  
Lymph Node - Mediastinal  
Pancreas  
Seminal Vesicle  
Stomach - Glandular

MISSING

Parathyroid Gland

Pituitary Gland

Thyroid Gland

PRESENT BUT NOT EXAMINED

Eye

Tongue

Zymbal's Gland

OBSERVATIONS

Intestine Large  
Note: PARASITE IS SYPHACIA

Cecum

Parasite Metazoan

Minimal

Lung

Peribronchial

Hyperplasia  
Inflammation

Histiocytic, Minimal  
Granulomatous, Minimal

Urinary Bladder

Calculus Micro Observation Only

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 121

TRT#: 2

SEX: Male

DAY ON TEST: 800

DOSE: 6 MG/M3

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Note: [ PHEOCHROM BGN ] TGLs = 2-14			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 3-3			
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Mild
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
Note: MANY CHANGES BUT NOT SPECIFIC FOR ENLARGEMENT, TGL6			
Lung	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
	Mediastinal	Hyperplasia	Histiocytic, Marked
[ Hyperplasia TGLS = 4-2 ]			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-9			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:02  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 121

**TRT#:** 2  
**DOSE:** 6 MG/M3

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 800  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 124

TRT#: 2

DOSE: 6 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 741

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Ileum	Intestine Small - Jejunum	Prostate
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OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
Brain		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLs = 7-1,15 ]			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver	Centrilobular	Degeneration	Moderate
	Bile Duct	Fatty Change	Mild
		Hyperplasia	Minimal
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-4			
Lung		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
Note: [ INFLAMMATION ] TGLs = 6-5,6			
Note: LEUKEMIA CONFOUNDS GRADING			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 5-2			
Note: [ HYPERPLASIA ] TGLs = 4-2			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 1,8-3,16			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 124

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 741

**DOSE:** 6 MG/M3

**DISP:** Natural Death

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 3-9

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 125

TRT#: 2

SEX: Male

DAY ON TEST: 800

DOSE: 6 MG/M3

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Medulla	Pheochromocytoma Complex	
Note: [ PHEOCHROM CPLX ] TGLs = 4-14			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
Lung	Interstitialium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Mild
	Peribronchial	Hyperplasia	Histiocytic, Mild
		Inflammation	Granulomatous, Moderate
Note: [ INFLAMMATION ] TGLs = 7-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Preputial Gland		Adenoma	
Skin		Fibroma	
Note: [ FIBROMA ] TGLs = 1-15			
Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:02  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 125

**TRT#:** 2  
**DOSE:** 6 MG/M3

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 800  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ ADENOMA ] TGLs = 2,3-9

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 126

TRT#: 2

SEX: Male

DAY ON TEST: 761

DOSE: 6 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	

MISSING

Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Mild
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver	Centrilobular	Degeneration	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
Note: LEUKEMIA CONFOUNDS GRADING			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
	Bronchial	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ HYPERPLASIA ] TGLs = 8-2			
Note: [ HYPERPLASIA ] TGLs = 6-2			
Note: [ LEUKEMIA MONUC ] TGLs = 1-10			
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 126

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 761

**DOSE:** 6 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 7-14

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 2,3-3,15

Testes

Interstit Cell

Adenoma

Atrophy

Moderate

Note: [ ATROPHY ] TGLs = 4-9

Note: [ ADENOMA ] TGLs = 5-9

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 128

TRT#: 2

SEX: Male

DAY ON TEST: 648

DOSE: 6 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Rectum	Larynx	Mammary Gland
Pituitary Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Trachea	Urinary Bladder	

MISSING

Parathyroid Gland	Thymus		
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AUTO PRECLUDES DIAG.

Bone Marrow	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lymph Node - Mesenteric
Pancreas	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland

INSUFFICIENT TISSUE

Lymph Node - Mandibular			
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Note: LEUKEMIA CONFOUNDS GRADING			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
	Bronchial	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: [ HYPERPLASIA ] TGLs = 3-2			
Note: [ HYPERPLASIA ] TGLs = 2-2			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 128

**TRT#:** 2

**DOSE:** 6 MG/M3

**SEX:** Male

**DISP:** Natural Death

**DAY ON TEST:** 648

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Nose	Respirat Epith	Hyperplasia	Minimal
Prostate		Inflammation	Mild
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 1-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 5-9,15			

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 129

TRT#: 2

SEX: Male

DAY ON TEST: 800

DOSE: 6 MG/M3

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Minimal
Note: [ FIBROSIS ] TGLs = 5-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
[ Hyperplasia TGLS = 4-2 ]			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 1-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2,3-9			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:02  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 129

**TRT#:** 2  
**DOSE:** 6 MG/M3

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 800  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 130

TRT#: 2

DOSE: 6 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 800

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Hepatocyte	Adenoma	
		Basophilic Focus	Minimal
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
Note: [ DEGEN ] TGLs = 7-16			
Note: [ ADENOMA ] TGLs = 2-15			
Lung	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 6-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
[ Hyperplasia TGLS = 3-2 ]			
[ Hyperplasia TGLS = 4-2 ]			
Pituitary Gland		Angiectasis	Focal, Marked
Note: [ ANGIECTASIS ] TGLs = 5-14			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-9			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:02  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 130

**TRT#:** 2  
**DOSE:** 6 MG/M3

**SEX:** Male  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 800  
**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 131

TRT#: 8

SEX: Male

DAY ON TEST: 738

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver		Leukemia Mononuclear	
Lung	Interstitialium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 3-6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
[ Hyperplasia TGLS = 1-2 ]			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 5-14			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-3			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 132

TRT#: 2

SEX: Male

DAY ON TEST: 747

DOSE: 6 MG/M3

DISP: Moribund Sacrifice

HISTO: 82

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mesenteric	Mammary Gland	Nose	Parathyroid Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Inflammation	Moderate
Kidney		Nephropathy	Mild
Note: [ NEPHROPATHY ] TGLs = 4-3			
Liver	Bile Duct	Hyperplasia	Mild
Lung	Interstitial	Fibrosis	Focal, Marked
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 7-5,6			
Note: MANY MAST CELLS IN FOCAL LESION			
Note: [ HYPERPLASIA ] TGLs = 8-6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mandibular	Hyperplasia	Plasma Cell, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 5-2			
Note: [ HYPERPLASIA ] TGLs = 6-2			
Note: MAND. LN REACTIVE, NO METS.			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 132

**TRT#:** 2

**SEX:** Male

**DAY ON TEST:** 747

**DOSE:** 6 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:** 82

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 1-10

Pancreas

Lobules

Atrophy

Minimal

Pituitary Gland

Pars Distalis

Adenoma

Note: [ ADENOMA ] TGLs = 9-14

Skin

Squamous Cell Carcinoma

Note: WELL DIFFERENTIATED TUMOR, LIKE PAPILLOMA ON 15

Note: MALIGNANCY BASED ON BONE INVASION(16)

Note: [ SQUAM CEL CARC ] TGLs = 2-15,16

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 3-9

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 145

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 492

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Colon	Intestine Small - Duodenum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Large - Rectum	Lymph Node - Mediastinal
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Brain		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5,6-1,15			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-4			
Lung		Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Note: LEUKEMIA CONFOUNDS GRADING			
Lymph Node	Bronchial	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-2			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 1-3			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 145

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 492

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Stomach	Forestomach	Ulcer	Moderate
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Note: [ ULCER ] TGLs = 7-7,16

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 146

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 798

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Ileum
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OBSERVATIONS

Adrenal Gland	Cortex Bilateral, Medulla	Hyperplasia Pheochromocytoma Benign	Focal, Mild
Note: [ PHEOCHROM BGN ] TGLs = 6-14			
Bone		Fibrous Osteodystrophy	
Heart	Myocardium	Cardiomyopathy Mineralization	Mild Moderate
Kidney		Nephropathy	Marked
[ Nephropathy TGLS = 5-3 ]			
Liver		Basophilic Focus Fatty Change	Mild Minimal
Lung	Bile Duct Interstitialium Alveolar Epith	Hyperplasia Fibrosis Hyperplasia Inflammation	Mild Focal, Mild Minimal Granulomatous, Moderate
	Alveolus	Metaplasia	Squamous, Minimal
Note: [ INFLAMMATION ] TGLs = 7-5,6			
Lymph Node	Bronchial Bronchial Mediastinal Mediastinal	Hyperplasia Hyperplasia Hyperplasia Hyperplasia	Histiocytic, Moderate Histiocytic, Mild Histiocytic, Mild Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 8-2			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 146

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 798

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 9-2

Nose	Respirat Epith	Hyperplasia	Mild
Parathyroid Gland		Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Spleen		Inflammation	Granulomatous, Focal, Marked
Note: [ INFLAMMATION ] TGLs = 4-15			
Stomach	Glandular	Mineralization	Moderate
Testes	Bilateral, Interstit Cell	Adenoma	

Note: [ ADENOMA ] TGLs = 2,3-9

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 149

TRT#: 3

SEX: Male

DAY ON TEST: 615

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Mammary Gland
Nose	Pituitary Gland	Preputial Gland	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Epididymis

INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Intestine Small	Ileum	Leukemia Mononuclear	
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA CONFOUNDS GRADING			
Note: [ LEUKEMIA MONUC ] TGLs = 7,8,9,11-5,6,15,18			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
	Bronchial	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 149

TRT#: 3

SEX: Male

DAY ON TEST: 615

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ LEUKEMIA MONUC ] TGLs = 3-8

Note: [ LEUKEMIA MONUC ] TGLs = 5-2

Note: [ LEUKEMIA MONUC ] TGLs = 6-2

Note: [ LEUKEMIA MONUC ] TGLs = 1-10

Note: [ LEUKEMIA MONUC ] TGLs = 4-7

Pancreas	Lobules	Atrophy Leukemia Mononuclear	Minimal
Prostate		Inflammation	Mild
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Hyperplasia	Minimal
Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 150

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 722

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Medulla Bilateral, Medulla	Leukemia Mononuclear Pheochromocytoma Benign	
Note: [ PHEOCHROM BGN ] TGLs = 7-14			
Brain		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 13-15			
Eye		Cataract Inflammation	Moderate Chronic, Marked
Note: [ CATARACT ] TGLs = 12-17			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Fatty Change Hyperplasia Leukemia Mononuclear Neoplastic Nodule	Moderate Moderate Multiple
Note: [ NEOPLASTIC NOD ] TGLs = 6-4,16			
Lung	Interstitium Alveolar Epith	Fibrosis Hyperplasia Inflammation	Focal, Moderate Mild Granulomatous, Moderate
Note: LEUKEMIA CONFOUNDS GRADING			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:02  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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<b>ANIMAL ID:</b> 150	<b>TRT#:</b> 3	<b>SEX:</b> Male	<b>DAY ON TEST:</b> 722
	<b>DOSE:</b> 18 MG/M3	<b>DISP:</b> Moribund Sacrifice	<b>HISTO:</b>

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: [ INFLAMMATION ] TGLs = 10-5,6			
Note: [ HYPERPLASIA ] TGLs = 11-6,5			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Moderate
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-2			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3,15-3,18			
Stomach	Forestomach	Ulcer	Marked
Note: [ ULCER ] TGLs = 5-7			
Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate
Note: [ ATROPHY ] TGLs = 1-9			
Note: [ ADENOMA ] TGLs = 2-9			

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**PRIMARY CAUSE OF DEATH** -

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Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 151

TRT#: 3

SEX: Male

DAY ON TEST: 705

DOSE: 18 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone

Brain

Epididymis

Esophagus

Intestine Large - Colon

Intestine Small - Duodenum

Intestine Small - Jejunum

Islets, Pancreatic

Larynx

Mammary Gland

Nose

Parathyroid Gland

Pituitary Gland

Preputial Gland

Skin

Stomach - Forestomach

Thyroid Gland

Trachea

MISSING

Intestine Large - Rectum

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland

Bilateral, Medulla

Pheochromocytoma Benign

Note: [ PHEOCHROM BGN ] TGLs = 8-14

Bone Marrow

Leukemia Mononuclear

Heart

Cardiomyopathy

Mild

Leukemia Mononuclear

Atrium

Thrombosis

[ Cardiomyopathy TGLS = 9-3 ]

Intestine Large

Cecum

Leukemia Mononuclear

Kidney

Leukemia Mononuclear

Nephropathy

Mild

Liver

Eosinophilic Focus

Minimal

Bile Duct

Hyperplasia

Marked

Leukemia Mononuclear

Necrosis

Focal, Moderate

Neoplastic Nodule

Note: [ NEOPLASTIC NOD ] TGLs = 13-15

Note: [ NEOPLASTIC NOD ] TGLs = 7-4

Lung

Leukemia Mononuclear

Note: LEUKEMIA OBSCURES ALL OTHER LESIONS

Note: [ LEUKEMIA MONUC ] TGLs = 12-5,6,16

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 151

TRT#: 3

SEX: Male

DAY ON TEST: 705

DOSE: 18 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Bronchial	Leukemia Mononuclear
	Mandibular	Leukemia Mononuclear
	Mediastinal	Leukemia Mononuclear
	Mesenteric	Leukemia Mononuclear
	Pancreatic	Leukemia Mononuclear
Note: [ LEUKEMIA MONUC ]	TGLs = 6-7,15	
Note: [ LEUKEMIA MONUC ]	TGLs = 11-2	
Note: [ LEUKEMIA MONUC ]	TGLs = 5-8	
Note: [ LEUKEMIA MONUC ]	TGLs = 1-10	
Note: [ LEUKEMIA MONUC ]	TGLs = 10-2	
Pancreas		Leukemia Mononuclear
Prostate		Leukemia Mononuclear
Salivary Glands		Leukemia Mononuclear
Seminal Vesicle		Leukemia Mononuclear
Spleen		Leukemia Mononuclear
Note: [ LEUKEMIA MONUC ]	TGLs = 4,15-3,15,17	
Stomach	Glandular	Leukemia Mononuclear
Testes	Bilateral, Interstit Cell	Adenoma
Note: [ ADENOMA ]	TGLs = 2,3-9	
Thymus		Leukemia Mononuclear
Urinary Bladder		Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Talc

Time Report Requested: 19:07:02

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 14807-96-6

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: LITRI

ANIMAL ID: 152

TRT#: 3

SEX: Male

DAY ON TEST: 698

DOSE: 18 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Colon	Intestine Small - Duodenum	Islets, Pancreatic
Larynx	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Intestine Large - Rectum

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Brain		Compression	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Liver		Degeneration	Cystic, Mild
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Moderate
Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Marked
		Leukemia Mononuclear	
Note: [ INFLAMMATION ] TGLs = 3-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
	Mandibular	Leukemia Mononuclear	
Note: [ HYPERPLASIA ] TGLs = 2-2			
Nose	Respirat Epith	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 4-14			
Prostate		Inflammation	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:02  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 152

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 698

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Spleen

Leukemia Mononuclear

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 153

TRT#: 9

SEX: Male

DAY ON TEST: 333

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO: 50791153

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular	Mammary Gland
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OBSERVATIONS

Lung	Interstitial Alveolar Epith	Fibrosis Hyperplasia Inflammation	Focal, Minimal Minimal Granulomatous, Moderate
<p>Note: [ INFLAMMATION ] TGLs = 2-5          Note: ARE ALSO SEEN INVLOVING SURROUNDING ALVEOLAR SEPTA.          Note: AND FINE INTERSTITIAL FIBROSIS.FOCAL AREAS OF EMPHYSEMA          Note: ADJACENT ALVEOLAR SEPTA SHOW TYPE 2 CELL HYPERPLASIA          Note: OF LARGE MACROPHAGES WHICH CONTAIN REFRINGENT PARTICLES.          Note: LUNG LESIONS CONSIST OF FOCAL INTRAALVEOLAR CLUSTERS</p>			
Lymph Node	Mediastinal Bronchial	Congestion Hyperplasia	Mild Histiocytic, Moderate
<p>Note: BROCHIAL LYMPH NODES CONTAIN MULTIFOCAL CLUSTERS OF          Note: MACROPHAGES WHICH CONTAIN REFRINGENT PARTICLES          Note: [ HYPERPLASIA ] TGLs = 3-2          Note: [ CONGESTION ] TGLs = 1-2</p>			
Nose	Respirat Epith	Hyperplasia	Mild
Pituitary Gland		Cyst	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

---

**ANIMAL ID:** 153

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 333

**DOSE:** 18 MG/M3LUNG TOX

**DISP:** Scheduled Sacrifice

**HISTO:** 50791153

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Animal Note: TERMINAL BRONCHIOLES. TYPE 2 CELL HYPERPLASIA

Animal Note: IS ALSO PRESENT ALONG WITH FINE INTERSTITIAL FIBROSIS

Animal Note: MACROPHAGES WHICH CONTAIN REFRINGENT PARTICLES

Animal Note: MOST ARE LOCATED WITHIN ALVEOLI ADJACENT TO

Animal Note: THE LUNG LESIONS CONSIST OF LARGE CLUSTERS OF

Animal Note: OF ALVEOLAR SEPTA. FOCAL EMPHYSEMA IS OCCATIONALLY

Animal Note: PRESENT INVOLVING ADJACENT ALVEOLAR SEPTA.

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 154

TRT#: 9

SEX: Male

DAY ON TEST: 556

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Mild
Note: [ HYPERPLASIA ] TGLs = 3-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mandibular	Hyperplasia	Lymphoid, Mild
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 2-2			
Note: [ HYPERPLASIA ] TGLs = 1-2			
Prostate		Inflammation	Minimal
Testes	Interstitial Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 155

TRT#: 3

SEX: Male

DAY ON TEST: 799

DOSE: 18 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Larynx	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Preputial Gland	Prostate
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Trachea	Urinary Bladder		

MISSING

Islets, Pancreatic

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
	Medulla	Hyperplasia	Marked
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Note: [ CARDIOMYOPATHY ] TGLs = 7-3			
Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
[ Nephropathy TGLS = 6-3 ]			
Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-4			
Lung		Inflammation	Granulomatous, Marked
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 10-5,6			
Note: LEUKEMIA CONFOUNDS GRADING			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 155

TRT#: 3

SEX: Male

DAY ON TEST: 799

DOSE: 18 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ HYPERPLASIA ] TGLs = 8-2			
Note: [ HYPERPLASIA ] TGLs = 9-2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 11-14			
Seminal Vesicle		Leukemia Mononuclear	
Skin			
Note: GROSS SKIN LESION = MESOTHELIAL PROLIFERATION			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3,4-3,15			
Testes		Atrophy	Moderate
	Serosa	Proliferation	Moderate
Note: [ PROLIFERATION ] TGLs = 2-9			
Note: MESOTHELIAL PROLIFERATION = GROSS SKIN LESION			
Note: [ ATROPHY ] TGLs = 1-9			
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 12-2			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 156

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 799

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Pancreas	Pituitary Gland	Preputial Gland	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Islets, Pancreatic

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Note: [ PHEOCHROM BGN ] TGLs = 3-14			
Heart		Cardiomyopathy	Mild
Note: RGT VENT NOD NOT NEOPLASM ++ COLLAGEN			
Note: [ CARDIOMYOPATHY ] TGLs = 7-15			
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 4-3			
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Minimal
Lung	Interstitialium	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Moderate
Note: [ INFLAMMATION ] TGLs = 6-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 5-2			
Nose	Respirat Epith	Hyperplasia	Minimal
Parathyroid Gland		Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 156

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 799

**DOSE:** 18 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Prostate

Inflammation

Marked

Testes

Interstitial Cell

Adenoma

Hyperplasia

Lymphoid, Focal, Moderate

Note: [ ADENOMA ] TGLs = 1,2-9

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 169

TRT#: 3

SEX: Male

DAY ON TEST: 799

DOSE: 18 MG/M3

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Mammary Gland	Nose	Parathyroid Gland	Penis
Preputial Gland	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Marked
	Medulla	Pheochromocytoma Benign	
[ Pheochromocytoma Benign TGLS = 4-14 ]			
Bone Marrow	Myeloid Cell	Hyperplasia	Mild
		Myelofibrosis	Mild
Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Inflammation	Moderate
Kidney		Nephropathy	Moderate
Liver	Centrilobular	Degeneration	Fatty, Marked
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
Note: [ INFLAMMATION ] TGLs = 7-5,6.			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
	Bronchial	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	

Note: [ LEUKEMIA MONUC ] TGLs = 5,6-2

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 169

TRT#: 3

SEX: Male

DAY ON TEST: 799

DOSE: 18 MG/M3

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreas	Lobules	Atrophy	Minimal
Penis			
Note: TGL8=NORMAL CORPUS CAVERNOSUS			
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Prostate		Atrophy	Moderate
Spleen		Fibrosis	Focal, Moderate
		Leukemia Mononuclear	
Note: [ FIBROSIS ] TGLs = 3-2			
Note: [ LEUKEMIA MONUC ] TGLs = 2-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-11			
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Marked
Urethra		Fibrosis	Moderate
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 170

TRT#: 9

SEX: Male

DAY ON TEST: 333

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO: 50791170

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

Preputial Gland

OBSERVATIONS

Intestine Large Note: PARASITE IN CECUM IS SYPHACIA	Cecum	Parasite Metazoan	Minimal
Lung  Note: [ FIBROSIS ] TGLs = 3-5.3-6	Interstitialium Alveolar Epith	Fibrosis Hyperplasia Inflammation	Focal, Minimal Mild Granulomatous, Moderate
Lymph Node  Note: [ HYPERPLASIA ] TGLs = 1-2.2-2 Note: BOTH BRONCHIAL AND MEDIASTINAL LYMPH NODES CONTAIN Note: LARGE MULTIFOCAL CLUSTERS OF MACROPHAGES WITH INTRA- Note: CYTOPLASMIC REGRINGENT PARTICLES.	Bronchial Mediastinal	Hyperplasia Hyperplasia	Histiocytic, Mild Histiocytic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 172

TRT#: 3

SEX: Male

DAY ON TEST: 737

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Note: [ PHEOCHROM BGN ] TGLs = 5-14			
Heart	Atrium	Cardiomyopathy	Moderate
[ Cardiomyopathy TGLS = 6-15 ]			
Kidney		Nephropathy	Mild
Liver	Centrilobular	Degeneration	Moderate
	Bile Duct	Eosinophilic Focus	Minimal
		Hyperplasia	Mild
Note: [ DEGEN ] TGLs = 4-4			
Lung	Interstitialium	Fibrosis	Focal, Moderate
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Moderate
Note: MANY MAST CELLS IN LESIONS			
Note: [ INFLAMMATION ] TGLs = 9-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Marked
	Mandibular	Inflammation	Chronic Active, Moderate
	Mesenteric	Inflammation	Chronic Active, Moderate
Note: [ HYPERPLASIA ] TGLs = 8-2			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:02  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

**ANIMAL ID:** 172

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 737

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ INFLAMMATION ] TGLs = 3-8

Note: [ HYPERPLASIA ] TGLs = 7-2

Nose	Mucosa	Inflammation	Suppurative, Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: [ HEMA CELL PROL ] TGLs = 2-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-9			

PRIMARY CAUSE OF DEATH

-

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 173

TRT#: 9

SEX: Male

DAY ON TEST: 192

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

PRESENT BUT NOT EXAMINED

Eye	Tongue
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OBSERVATIONS

Intestine Large Note: PARASITE IS SYPHACIA	Cecum	Parasite Metazoan	Mild
Lung Note: [ INFLAMMATION ] TGLs = 2-5	Peribronchial	Hyperplasia Inflammation	Histiocytic, Mild Granulomatous, Moderate
Lymph Node Note: [ HYPERPLASIA ] TGLs = 1-2 Note: HISTIOCYTIC FOCI CONTAIN REFRACTING PARTICLES Note: PARTICLES NOT AS NUMEROUS IN MEDIASTINAL L.N.	Bronchial Mediastinal	Hyperplasia Hyperplasia	Histiocytic, Moderate Histiocytic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 174

TRT#: 3

SEX: Male

DAY ON TEST: 609

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Brain		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 10-1			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Atrophy	Moderate
		Eosinophilic Focus	Minimal
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Lung	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 9-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Minimal
	Mediastinal	Hyperplasia	Histiocytic, Mild
	Mandibular	Inflammation	Chronic Active, Moderate
	Bronchial	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ INFLAMMATION ] TGLs = 3-10			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

---

**ANIMAL ID:** 174

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 609

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ LEUKEMIA MONUC ] TGLs = 8-2

Note: [ LEUKEMIA MONUC ] TGLs = 7-2

Note: [ LEUKEMIA MONUC ] TGLs = 6-8

Pancreas

Lobules

Atrophy

Minimal

Skin

Subcut Tiss

Inflammation

Moderate

Note: [ INFLAMMATION ] TGLs = 1-15,10

Spleen

Leukemia Mononuclear

[ Leukemia Mononuclear TGLS = 4-3 ]

Testes

Interstit Cell

Adenoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 175

TRT#: 3

SEX: Male

DAY ON TEST: 614

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Epididymis	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Mammary Gland	Nose
Parathyroid Gland	Pituitary Gland	Salivary Glands	Seminal Vesicle
Skin	Stomach - Glandular	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
	Bilateral, Medulla	Pheochromocytoma Benign	
Note: [ PHEOCHROM BGN ] TGLs = 4-14			
Bone Marrow		Leukemia Mononuclear	
Brain		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 10-1			
Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Inflammation	Moderate
Intestine Small	Ileum	Hyperplasia	Lymphoid, Moderate
Kidney		Nephropathy	Mild
Liver	Centrilobular	Degeneration	Marked
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-4			
Lung	Interstitium	Fibrosis	Focal, Minimal
		Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
Note: LEUKEMIA CONFOUNDS GRADING			
Note: [ LEUKEMIA MONUC ] TGLs = 8-15			
Note: [ LEUKEMIA MONUC ] TGLs = 9-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
	Axillary	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 175

TRT#: 3

SEX: Male

DAY ON TEST: 614

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Bronchial	Leukemia Mononuclear
Mandibular	Leukemia Mononuclear
Mediastinal	Leukemia Mononuclear
Mesenteric	Leukemia Mononuclear
Pancreatic	Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 1-10

Note: [ LEUKEMIA MONUC ] TGLs = 7-2

Note: [ LEUKEMIA MONUC ] TGLs = 5-2

Note: [ LEUKEMIA MONUC ] TGLs = 11-7

Note: [ LEUKEMIA MONUC ] TGLs = 12-15

Pancreas	Lobules	Atrophy	Moderate
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Parathyroid Gland

Note: GROSS TUMOR IS THYROID - C CELL ADENOMA

Preputial Gland	Inflammation	Mild
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Prostate	Inflammation	Mild
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Spleen	Leukemia Mononuclear
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Note: [ LEUKEMIA MONUC ] TGLs = 2-3,14

Stomach	Forestomach	Leukemia Mononuclear
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Testes	Interstitial Cell	Adenoma
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Note: [ ADENOMA ] TGLs = 13-9

Thymus	Leukemia Mononuclear
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Thyroid Gland	C Cell	Adenoma
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Note: [ ADENOMA ] TGLs = 6-2

PRIMARY CAUSE OF DEATH -

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 176

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 697

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Intestine Large - Rectum	Preputial Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Diffuse, Marked
	Medulla	Pheochromocytoma Benign	
Note: [ HYPERPLASIA ] TGLs = 2-14			
Bone Marrow		Atrophy	Moderate
Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Inflammation	Moderate
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Marked
	Bile Duct	Hyperplasia	Minimal
Lung	Interstitialium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Moderate
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 3-2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 5-14			
Prostate		Inflammation	Moderate
Stomach	Glandular	Ulcer	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 176

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 697

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ ULCER ] TGLs = 6-15

Testes

Atrophy

Mild

Note: [ ATROPHY ] TGLs = 7-9

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 177

TRT#: 3

SEX: Male

DAY ON TEST: 594

DOSE: 18 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Larynx  
Preputial Gland  
Thyroid Gland

Bone  
Esophagus  
Mammary Gland  
Salivary Glands  
Trachea

Bone Marrow  
Intestine Large - Colon  
Nose  
Testes

Brain  
Kidney  
Parathyroid Gland  
Thymus

MISSING

Adrenal Gland - Medulla

Pituitary Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum  
Intestine Small - Jejunum  
Prostate  
Stomach - Glandular

Intestine Large - Rectum  
Islets, Pancreatic  
Seminal Vesicle  
Urinary Bladder

Intestine Small - Duodenum  
Lymph Node - Mandibular  
Spleen

Intestine Small - Ileum  
Pancreas  
Stomach - Forestomach

OBSERVATIONS

Blood Vessel  
Note: [ ANEURYSM ] TGLs = 1-15,8

Mesent Artery

Aneurysm

Heart

Cardiomyopathy

Minimal

Liver

Centrilobular

Degeneration

Minimal

Bile Duct

Hyperplasia

Minimal

Lung

Interstitial

Fibrosis

Focal, Minimal

Inflammation

Granulomatous, Moderate

Note: AUTOLYSIS CONFOUNDS GRADING

Note: [ INFLAMMATION ] TGLs = 5-5,6

Lymph Node

Bronchial

Hyperplasia

Histiocytic, Moderate

Mediastinal

Hyperplasia

Histiocytic, Moderate

Mesenteric

Hyperplasia

Lymphoid, Moderate

Note: [ HYPERPLASIA ] TGLs = 4-8

Note: [ HYPERPLASIA ] TGLs = 3-2

Note: [ HYPERPLASIA ] TGLs = 2-2

Skin

Keratoacanthoma

[ Keratoacanthoma TGLS = 6-16 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:02  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 177

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 594

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 178

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 799

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Basophilic Focus	Minimal
		Hyperplasia	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	Multiple
	Interstitial	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Moderate
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Note: 3 CARCINOMAS-2 PAPILLARY, 1 SOLID PATTERN			
Note: [ ALV BRON CARC ] TGLs = 5,9-5,15,16			
Note: MALIGNANCY BASED ON ANAPLASIA			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Marked
Note: [ HYPERPLASIA ] TGLs = 6-2			
Note: [ HYPERPLASIA ] TGLs = 7-2			
Parathyroid Gland		Hyperplasia	Minimal
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 178

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 799

**DOSE:** 18 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ LEUKEMIA MONUC ] TGLs = 1-2

Testes

Interstit Cell

Adenoma

Atrophy

Marked

Note: [ ADENOMA ] TGLs = 3-9

Note: [ ATROPHY ] TGLs = 2-9

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 180

TRT#: 3

SEX: Male

DAY ON TEST: 799

DOSE: 18 MG/M3

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Metaplasia	Squamous, Focal, Moderate
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 6-3			
Liver		Basophilic Focus	Minimal
		Degeneration	Cystic, Mild
		Eosinophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
Lung	Interstitialium	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Marked
Note: [ INFLAMMATION ] TGLs = 9-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
	Mediastinal	Hyperplasia	Histiocytic, Marked
Note: [ HYPERPLASIA ] TGLs = 8-2			
	[ Hyperplasia TGLS = 7-2 ]		
Nose	Respirat Epith	Hyperplasia	Moderate
Parathyroid Gland		Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Preputial Gland		Adenoma	
Note: [ ADENOMA ] TGLs = 2-9			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 180

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 799

**DOSE:** 18 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Skin

[ Fibrous Histiocytoma TGLS = 1-15 ]

Fibrous Histiocytoma

Spleen

Note: [ FIBROSIS ] TGLs = 5-16

Fibrosis

Focal, Marked

Testes

Note: [ ADENOMA ] TGLs = 3,4-9

Bilateral, Interstit Cell

Adenoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 193

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 799

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Penis	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Note: [ LEUKEMIA MONUC ] TGLs = 4-14			
Bone Marrow	Myeloid Cell	Hyperplasia	Mild
Brain		Infarct	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 8-1			
Note: [ INFARCT ] TGLs = 9-15			
Heart		Cardiomyopathy	Mild
Intestine Small	Ileum	Leukemia Mononuclear	
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 7-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
	Bronchial	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 193

TRT#: 3

SEX: Male

DAY ON TEST: 799

DOSE: 18 MG/M3

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Mandibular	Leukemia Mononuclear
Mediastinal	Leukemia Mononuclear
Mesenteric	Leukemia Mononuclear
Pancreatic	Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 6-2

Note: [ LEUKEMIA MONUC ] TGLs = 5-2

Note: [ LEUKEMIA MONUC ] TGLs = 3-15

Note: [ LEUKEMIA MONUC ] TGLs = 2-8

Note: [ HYPERPLASIA ] TGLs = 3-2

Penis

Note: TGL11=NORMAL CORPUS CAVERNOSUS

Pituitary Gland

Pars Distalis

Hyperplasia

Marked

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 1-3

Testes

Bilateral, Interstit Cell

Adenoma

Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 194

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 788

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland Note: [ PHEOCHROM BGN ] TGLs = 7-14	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney Note: [ NEPHROPATHY ] TGLs = 6-3		Nephropathy	Mild
Liver	Centrilobular	Atrophy Basophilic Focus Eosinophilic Focus Fatty Change	Minimal Mild Minimal Minimal
Lung	Bile Duct Interstitialium Alveolar Epith Peribronchial	Hyperplasia Fibrosis Hyperplasia Hyperplasia Inflammation	Minimal Focal, Mild Mild Histiocytic, Minimal Granulomatous, Mild
Lymph Node Note: [ INFLAMMATION ] TGLs = 10-5,6	Bronchial Mandibular Mediastinal	Hyperplasia Hyperplasia Hyperplasia	Histiocytic, Moderate Plasma Cell, Moderate Histiocytic, Mild
Pituitary Gland Note: [ HYPERPLASIA ] TGLs = 9-2 Note: [ HYPERPLASIA ] TGLs = 8-2 Note: [ HYPERPLASIA ] TGLs = 2-10	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 194

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 788

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Prostate		Inflammation	Minimal
Skin		Keratoacanthoma	
Note: INVASIVE BUT HAS NOT PASSED BASEMENT MEMBRANE [ Keratoacanthoma TGLS = 1-15 ]			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 3-9			
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 195

TRT#: 3

SEX: Male

DAY ON TEST: 628

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Large - Rectum

INSUFFICIENT TISSUE

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Moderate
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Mild
Lung	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Mild
	Peribronchial	Hyperplasia	Histiocytic, Moderate
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
	Mediastinal	Hyperplasia	Histiocytic, Moderate
[ Hyperplasia TGLS = 4-2 ]			
[ Hyperplasia TGLS = 3-2 ]			
Preputial Gland		Carcinoma	
Note: [ CARCINOMA ] TGLs = 1-15			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 195

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 628

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

Spleen

Testes

[ Adenoma TGLS = 2-9 ]

Bilateral, Interstit Cell

Hyperplasia

Adenoma

Lymphoid, Moderate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 196

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 799

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Medulla	Pheochromocytoma Malignant	
Note: [ PHEOCHROM MAL ] TGLs = 3-14			
Note: MALIGNANCY BASED ON CAPSULAR INVASION			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Mild
	Bile Duct	Hyperplasia	Minimal
Note: [ CLEAR CL FOCUS ] TGLs = 8,9-16			
Lung		Cyst	
	Interstitialium	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 6-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
	Mediastinal	Hyperplasia	Histiocytic, Marked
Note: [ HYPERPLASIA ] TGLs = 5-2			
Note: [ HYPERPLASIA ] TGLs = 4-2			
Parathyroid Gland		Hyperplasia	Moderate
Testes	Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

---

**ANIMAL ID:** 196

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 799

**DOSE:** 18 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Atrophy

Marked

Note: [ ATROPHY ] TGLs = 1-9

Note: [ ADENOMA ] TGLs = 2-9

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 197

TRT#: 3

SEX: Male

DAY ON TEST: 794

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Parathyroid Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Skin
Spleen	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex Bilateral, Medulla	Hyperplasia Pheochromocytoma Benign	Focal, Mild
Note: [ PHEOCHROM BGN ] TGLs = 8-14			
Esophagus		Inflammation	Marked
Heart		Cardiomyopathy	Minimal
Intestine Small	Duodenum	Inflammation	Mild
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 3-3			
Liver		Basophilic Focus Fatty Change	Mild Mild
Lung	Bile Duct Interstitialium Alveolar Epith	Hyperplasia Fibrosis Hyperplasia Inflammation	Minimal Focal, Mild Mild Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 6-5,6			
Lymph Node	Bronchial Mediastinal	Hyperplasia Hyperplasia	Histiocytic, Mild Histiocytic, Marked
Note: [ HYPERPLASIA ] TGLs = 4-2			
Pancreas	Lobules	Atrophy	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-14 ]			
Prostate		Inflammation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 197

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 794

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Stomach	Forestomach	Ulcer	Marked
	Glandular	Ulcer	Mild
Note: [ ULCER ] TGLs = 2-7			
Note: FORESTOMACH ULCER RUPTURED			
Note: [ ULCER ] TGLs = 9-15			
Testes		Atrophy	Moderate
Note: [ ATROPHY ] TGLs = 1-9			

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 198

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 799

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Preputial Gland  
Stomach - Forestomach  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Salivary Glands  
Thymus

Brain  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Seminal Vesicle  
Thyroid Gland

Epididymis  
Intestine Small - Duodenum  
Larynx  
Pancreas  
Skin  
Trachea

OBSERVATIONS

Adrenal Gland  
Blood Vessel  
Note: [ MINERALIZATION ] TGLs = 8-15

Bilateral, Medulla  
Aorta

Pheochromocytoma Benign  
Mineralization

Moderate

Bone  
Heart  
[ Cardiomyopathy TGLS = 9-3 ]

Myocardium  
Atrium

Fibrous Osteodystrophy  
Cardiomyopathy  
Mineralization  
Thrombosis

Moderate  
Moderate

Intestine Large  
Note: [ MINERALIZATION ] TGLs = 3-16

Colon

Mineralization

Moderate

Kidney  
Note: [ NEPHROPATHY ] TGLs = 5-3

Nephropathy

Marked

Liver  
Lung  
Note: MINERALIZATION CONFUSES LUNG GRADING  
Note: [ INFLAMMATION ] TGLs = 10-5,6

Bile Duct  
Interstitialium  
Interstitialium

Basophilic Focus  
Fatty Change  
Hyperplasia  
Fibrosis  
Inflammation  
Mineralization

Moderate  
Moderate  
Minimal  
Focal, Minimal  
Granulomatous, Mild  
Moderate

Lymph Node  
Bronchial  
Mediastinal  
Hyperplasia  
Hyperplasia  
Histiocytic, Moderate  
Histiocytic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 198

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 799

**DOSE:** 18 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Hyperplasia TGLS = 7-2 ]			
[ Hyperplasia TGLS = 11-2 ]			
Nose	Respirat Epith	Hyperplasia	Minimal
Parathyroid Gland		Hyperplasia	Marked
[ Hyperplasia TGLS = 12-2 ]			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 13-14			
Prostate		Inflammation	Moderate
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Glandular	Mineralization	Moderate
Note: [ MINERALIZATION ] TGLs = 4-7			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1,2-9			
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 199

TRT#: 9

SEX: Male

DAY ON TEST: 333

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO: 50791199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Larynx  
Mammary Gland  
Pituitary Gland  
Skin  
Testes  
Urinary Bladder

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Liver  
Nose  
Prostate  
Spleen  
Thymus

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Pancreas  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mesenteric  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Glandular  
Trachea

INSUFFICIENT TISSUE

Preputial Gland

OBSERVATIONS

Lung  
  
Note: [ FIBROSIS ] TGLs = 2-5.2-6

Interstitialium  
Alveolar Epith

Fibrosis  
Hyperplasia  
Inflammation

Focal, Minimal  
Mild  
Granulomatous, Moderate

Lymph Node  
  
Note: [ HYPERPLASIA ] TGLs = 1-2.3-2

Bronchial  
Mediastinal

Hyperplasia  
Hyperplasia

Histiocytic, Mild  
Histiocytic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 201

TRT#: 3

SEX: Male

DAY ON TEST: 778

DOSE: 18 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Salivary Glands	Seminal Vesicle	Skin	

AUTO PRECLUDES DIAG.

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Liver	Lymph Node - Mesenteric	Pancreas	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Lung		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 7-5,6			
Note: LEUKEMIA OBSCURES LESION GRADING			
Lymph Node	Bronchial	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 6-			
Note: [ LEUKEMIA MONUC ] TGLs = 5-2			
Note: [ LEUKEMIA MONUC ] TGLs = 1-10			
Preputial Gland		Inflammation	Marked
Prostate		Inflammation	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 2-9 ]			
Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:02  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 201

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 778

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 202

TRT#: 3

SEX: Male

DAY ON TEST: 651

DOSE: 18 MG/M3

DISP: Moribund 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	Larynx	Lymph Node - Mandibular
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

AUTO PRECLUDES DIAG.

Bone Marrow

INSUFFICIENT TISSUE

Islets, Pancreatic

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Marked
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Degeneration	Moderate
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 6-4			
Lung	Interstitium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 9-5.6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Moderate
	Bronchial	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 202

TRT#: 3

SEX: Male

DAY ON TEST: 651

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

	Pancreatic	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 4-15		
Note: [ LEUKEMIA MONUC ]	TGLs = 8-2		
Note: [ LEUKEMIA MONUC ]	TGLs = 7-2		
Note: [ LEUKEMIA MONUC ]	TGLs = 3-8,15		
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Prostate		Inflammation	Minimal
Skin		Basosquamous Tumor Malignant	
[ Basosquamous Tumor Malignant	TGLS = 1-16 ]		
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 2,10-3,17,19		
Stomach	Forestomach	Ulcer	Marked
Note: [ ULCER ]	TGLs = 5-7		
Testes	Interstit Cell	Adenoma	
Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 203

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 500

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Small - Duodenum

Islets, Pancreatic

Kidney

Larynx

Lymph Node - Mandibular

Lymph Node - Mesenteric

Mammary Gland

Pancreas

Parathyroid Gland

Pituitary Gland

Preputial Gland

Salivary Glands

Seminal Vesicle

Skin

Testes

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Intestine Large - Rectum

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland

Cortex

Degeneration

Fatty, Moderate

Heart

Cardiomyopathy

Mild

Atrium

Thrombosis

Note: [ THROMBUS ] TGLs = 3,4-3

Liver

Centrilobular

Degeneration

Marked

Bile Duct

Hyperplasia

Mild

Lung

Alveolar Epith

Hyperplasia

Mild

Inflammation

Granulomatous, Mild

Note: [ INFLAMMATION ] TGLs = 5-5,6

Lymph Node

Bronchial

Hyperplasia

Histiocytic, Moderate

Mediastinal

Hyperplasia

Histiocytic, Mild

Note: [ HYPERPLASIA ] TGLs = 2-2

Note: [ HYPERPLASIA ] TGLs = 1-2

Nose

Respirat Epith

Hyperplasia

Minimal

Prostate

Inflammation

Moderate

Spleen

Atrophy

Marked

Hematopoietic Cell Proliferation

Mild

Note: [ ATROPHY ] TGLs = 7-16

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 203

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 500

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Stomach	Forestomach	Fibrosarcoma	
	Glandular	Fibrosarcoma	
	Forestomach	Hyperkeratosis	Marked

Note: MALIGNANCY BASED ON LOCAL INVASION

Note: [ FIBROSARC ] TGLs = 6-15

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 217

TRT#: 3

SEX: Male

DAY ON TEST: 634

DOSE: 18 MG/M3

DISP: Moribund 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	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Diffuse, Marked
	Medulla	Pheochromocytoma Benign	
Note: [ HYPERPLASIA ] TGLs = 3,4-14			
Bone Marrow		Atrophy	Moderate
Eye		Cataract	Mild
	Retina	Degeneration	Marked
	Cornea	Inflammation	Necrotizing, Marked
Note: INFLAMMATION HAS CAUSED CORNEAL ULCER [ Degeneration TGLS = 2-15 ]			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 5-3			
Liver		Degeneration	Diffuse, Moderate
		Fatty Change	Moderate
Lung	Interstitialium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 9-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 217

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 634

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 7-2 Note: [ HYPERPLASIA ] TGLs = 6-2 Pituitary Gland Note: [ ADENOMA ] TGLs = 8-14 Testes	Mediastinal  Pars Intermed  Interstit Cell  Interstit Cell	Hyperplasia  Adenoma  Adenoma Atrophy Hyperplasia	Histiocytic, Minimal    Moderate Moderate
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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 219

TRT#: 3

SEX: Male

DAY ON TEST: 248

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO: 50791219

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Small - Ileum	Parathyroid Gland
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INSUFFICIENT TISSUE

Lymph Node - Mediastinal	Thymus
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OBSERVATIONS

Bone Note: [ OSTEOSARC ] TGLs = 1-19	Vertebra	Osteosarcoma	
Heart		Cardiomyopathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Necrotizing, Focal, Minimal
Lung	Interstitium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Hyperplasia	Histiocytic, Mild
		Inflammation	Granulomatous, Mild
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
Spinal Cord Note: DUE TO COMPRESSION OF OSTEOSARCOMA IN VERT. T1 & T2		Degeneration	Marked

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 220

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 800

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Marked
Liver		Basophilic Focus	Mild
		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung	Interstitial	Fibrosis	Focal, Moderate
	Alveolar Epith	Hyperplasia	Mild
	Peribronchial	Hyperplasia	Histiocytic, Mild
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Note: [ HYPERPLASIA ] TGLs = 6-15			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Marked
[ Hyperplasia TGLS = 4-2 ]			
[ Hyperplasia TGLS = 2-2 ]			
Nose	Respirat Epith	Hyperplasia	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-9			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 222

TRT#: 3

SEX: Male

DAY ON TEST: 743

DOSE: 18 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Larynx	Mammary Gland	Parathyroid Gland	Pituitary Gland
Preputial Gland	Salivary Glands	Skin	

AUTO PRECLUDES DIAG.

Adrenal Gland - Cortex	Bone Marrow	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Prostate
Seminal Vesicle	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Medulla	Pheochromocytoma Complex	
Heart	Atrium	Cardiomyopathy	Mild
		Thrombosis	
Note: [ THROMBUS ] TGLs = 9-3			
Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Spleen		Autolysis	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-3			
Testes	Bilateral, Interstit Cell	Adenoma	
		Atrophy	Moderate
Note: [ ATROPHY ] TGLs = 2-9			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 223

TRT#: 9

SEX: Male

DAY ON TEST: 193

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

PRESENT BUT NOT EXAMINED

Eye	Tongue
-----	--------

OBSERVATIONS

Intestine Large Note: PARASITE IS SYPHACIA	Cecum	Parasite Metazoan	Minimal
Liver		Basophilic Focus	Minimal
Lung Note: [ INFLAMMATION ] TGLs = 1-5 Note: MACROPHAGE CLUSTERS CONTAIN FRFRINGENT PARTICLES Note: LESIONS ALSO CONTAIN POLYS AND LYMPHOCYTES		Inflammation	Granulomatous, Mild
Lymph Node	Bronchial Mediastinal	Hyperplasia Hyperplasia	Histiocytic, Moderate Histiocytic, Moderate
Note: HISTIOCYTIC FOCI CONTAIN REFRINGENT PARTICLES			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 224

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 615

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Note: MALIGNANCY BASED ON VESSEL INVASION			
Heart	Atrium	Cardiomyopathy	Mild
		Thrombosis	
[ Thrombosis TGLS = 4-3 ]			
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Neoplastic Nodule	Multiple
Note: [ NEOPLASTIC NOD ] TGLs = 8-15			
Note: [ DEGEN ] TGLs = 3-4			
Note: CELLS IN NEO. NOD. VACUOLATED, NUCLEI ENLARGED, MULT. NUCLEOLI			
Lung	Interstitialium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 7-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mandibular	Hyperplasia	Plasma Cell, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 224

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 615

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 1-10

Note: [ HYPERPLASIA ] TGLs = 5-2

Note: [ HYPERPLASIA ] TGLs = 6-2

Pancreas	Lobules	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
		Leukemia Mononuclear	
Preputial Gland		Inflammation	Moderate
Prostate		Inflammation	Moderate
Spleen		Leukemia Mononuclear	
Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 225

TRT#: 3

SEX: Male

DAY ON TEST: 701

DOSE: 18 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone Marrow

Brain

Epididymis

Esophagus

Intestine Small - Duodenum

Islets, Pancreatic

Larynx

Lymph Node - Mandibular

Lymph Node - Mediastinal

Lymph Node - Mesenteric

Mammary Gland

Pituitary Gland

Preputial Gland

Salivary Glands

Skin

Spleen

Thymus

Trachea

Urinary Bladder

MISSING

Intestine Large - Rectum

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Small - Ileum

Intestine Small - Jejunum

Seminal Vesicle

Thyroid Gland

OBSERVATIONS

Adrenal Gland

Bilateral, Medulla

Pheochromocytoma Benign

Blood Vessel

Mesent Artery

Inflammation

Marked

Aorta

Mineralization

Marked

Mesent Artery

Mineralization

Marked

Note: [ INFLAMMATION ] TGLs = 15-17

Note: [ MINERALIZATION ] TGLs = 6-15

Note: [ MINERALIZATION ] TGLs = 15-17

Note: PANCREATIC ART. CONSIDERED BRANCH OF MESENTERIC ART.

Bone

Fibrous Osteodystrophy

Heart

Cardiomyopathy

Mild

Myocardium

Mineralization

Marked

Atrium

Thrombosis

Note: [ THROMBUS ] TGLs = 5-3

Intestine Large

Colon

Inflammation

Moderate

Kidney

Nephropathy

Marked

[ Nephropathy TGLS = 4-3 ]

Liver

Basophilic Focus

Minimal

Degeneration

Cystic, Mild

Bile Duct

Hyperplasia

Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 225

TRT#: 3

SEX: Male

DAY ON TEST: 701

DOSE: 18 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Lung	Interstitial Alveolar Epith	Fibrosis Hyperplasia Inflammation Mineralization	Focal, Minimal Moderate Granulomatous, Marked Moderate
Note: [ INFLAMMATION ] TGLs = 8-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 7-2			
Note: ARTIFACTS IN BRONCHIAL LN			
Nose	Respirat Epith	Hyperplasia	Mild
Pancreas	Lobules	Atrophy	Minimal
Parathyroid Gland		Hyperplasia	Marked
Note: [ HYPERPLASIA ] TGLs = 9-2			
Prostate		Inflammation	Moderate
Note: [ INFLAMMATION ] TGLs = 11-9			
Stomach	Forestomach Glandular	Mineralization Mineralization	Marked Marked
Note: [ MINERALIZATION ] TGLs = 13,14-7,17			
Note: [ MINERALIZATION ] TGLs = 12-7,17			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1,2-9			
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 226

TRT#: 3

SEX: Male

DAY ON TEST: 683

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Bronchial

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Inflammation	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Minimal
		Fatty Change	Mild
Lung	Interstitialium	Fibrosis	Focal, Marked
	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Granulomatous, Mild
Note: [ FIBROSIS ] TGLs = 4-5,6			
Lymph Node	Mediastinal	Hyperplasia	Histiocytic, Marked
Note: [ HYPERPLASIA ] TGLs = 3-2			
Prostate		Inflammation	Mild
Stomach	Forestomach	Ulcer	Minimal
Testes	Interstit Cell	Adenoma	
		Atrophy	Marked
Note: [ ATROPHY ] TGLs = 1,5-16			
[ Adenoma TGLS = 2-9 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 227

TRT#: 3

SEX: Male

DAY ON TEST: 651

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mediastinal	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Hyperplasia	Moderate
Heart		Cardiomyopathy	Minimal
Intestine Large	Rectum	Inflammation	Minimal
Intestine Small	Ileum	Hyperplasia	Lymphoid, Moderate
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Degeneration	Marked
	Bile Duct	Hyperplasia	Mild
Note: [ DEGEN ] TGLs = 4-4			
Lung	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 7-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
	Mandibular	Hyperplasia	Plasma Cell, Mild
	Mesenteric	Hyperplasia	Lymphoid, Moderate
Note: [ HYPERPLASIA ] TGLs = 6-2			
Note: [ HYPERPLASIA ] TGLs = 5-2			
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-3 ]			
Stomach			
Note: GROSS LESION PROB. ARTIFACT,CUTTING OF MUSCLE WALL			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

---

**ANIMAL ID:** 227

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 651

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Testes

Bilateral, Interstit Cell

Adenoma

[ Adenoma TGLS = 1,2-9 ]

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 228

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 800

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Larynx
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Pituitary Gland	Preputial Gland
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Intestine Large - Rectum	Islets, Pancreatic
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Medulla	Pheochromocytoma Malignant	
Note: MALIGNANCY BASED ON VESSEL INVASION			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 8-3			
Lung	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 3-2			
Note: [ HYPERPLASIA ] TGLs = 2-2			
Parathyroid Gland		Hyperplasia	Mild
Prostate		Inflammation	Minimal
Stomach	Forestomach	Ulcer	Marked
Note: [ ULCER ] TGLs = 7-15			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 5.6-9			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

---

**ANIMAL ID:** 228

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 800

**DOSE:** 18 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Thyroid Gland

C Cell

Adenoma

Follicular Cel

Adenoma

Note: LARGE BUT NOT INVASIVE

[ Adenoma TGLS = 1-2 ]

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 242

TRT#: 3

SEX: Male

DAY ON TEST: 783

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Intestine Large - Colon  
Islets, Pancreatic  
Pancreas  
Seminal Vesicle  
Thyroid Gland

Bone Marrow  
Intestine Small - Duodenum  
Larynx  
Preputial Gland  
Skin  
Urinary Bladder

Epididymis  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Prostate  
Spleen

Esophagus  
Intestine Small - Jejunum  
Mammary Gland  
Salivary Glands  
Thymus

MISSING

Intestine Large - Rectum

AUTO PRECLUDES DIAG.

Lymph Node - Mesenteric

OBSERVATIONS

Adrenal Gland

Medulla  
Medulla

Pheochromocytoma Benign  
Pheochromocytoma Malignant

Note: [ PHEOCHROM BGN ] TGLs = 11-14

Note: [ PHEOCHROM MAL ] TGLs = 11-14

Blood Vessel

Aorta  
Mesent Artery  
Mesent Artery

Mineralization  
Mineralization  
Thrombosis

Moderate  
Moderate

Note: [ MINERALIZATION ] TGLs = 4-15

Note: [ THROMBUS ] TGLs = 2-7

Bone

Brain

Heart

Myocardium  
Atrium

Fibrous Osteodystrophy  
Compression  
Cardiomyopathy  
Mineralization  
Thrombosis

Moderate  
Moderate

[ Cardiomyopathy TGLS = 7-3 ]

Intestine Large

Kidney

[ Nephropathy TGLS = 1-3 ]

Liver

Cecum

Parasite Metazoan  
Nephropathy

Marked

Basophilic Focus

Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 242

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 783

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Lung	Bile Duct	Fatty Change	Moderate
	Alveolar Epith	Hyperplasia	Minimal
		Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
	Interstitial	Mineralization	Moderate
Note: [ INFLAMMATION ] TGLs = 9-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
	Mediastinal	Hyperplasia	Histiocytic, Marked
Note: [ HYPERPLASIA ] TGLs = 5-2			
Note: [ HYPERPLASIA ] TGLs = 6-2			
Note: MES.LN. TGL IS THROMBUS			
Nose	Lumen	Hemorrhage	Moderate
	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Suppurative, Mild
Parathyroid Gland		Hyperplasia	Moderate
Note: [ HYPERPLASIA ] TGLs = 8-2			
Pituitary Gland		Cyst	
Note: [ CYST ] TGLs = 10-14			
Stomach	Glandular	Mineralization	Marked
	Forestomach	Ulcer	Marked
Note: [ MINERALIZATION ] TGLs = 13-7,18			
Testes		Atrophy	Marked
Note: [ ATROPHY ] TGLs = 3-9			
Trachea		Inflammation	Suppurative, Minimal
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 243

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 800

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Penis  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Pituitary Gland  
Seminal Vesicle  
Thymus

Brain  
Intestine Small - Duodenum  
Larynx  
Pancreas  
Preputial Gland  
Skin  
Thyroid Gland

Epididymis  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Parathyroid Gland  
Prostate  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Adrenal Gland

Medulla  
Medulla

Pheochromocytoma Benign  
Pheochromocytoma Malignant

Note: [ PHEOCHROM BGN ] TGLs = 2-14

Note: MALIGNANCY BASED ON CAPSULE INVASION & ANAPLASIA

Note: [ PHEOCHROM MAL ] TGLs = 3-14

Bone Marrow  
Heart  
Intestine Large

Myeloid Cell  
Cecum  
Colon

Hyperplasia  
Cardiomyopathy  
Parasite Metazoan  
Parasite Metazoan

Moderate  
Moderate

Kidney  
Liver

Bile Duct

Nephropathy  
Hyperplasia  
Leukemia Mononuclear

Moderate  
Mild

Lung

Interstitial  
Alveolar Epith  
Peribronchial

Fibrosis  
Hyperplasia  
Hyperplasia  
Inflammation

Focal, Minimal  
Minimal  
Histiocytic, Mild  
Granulomatous, Mild

Note: [ INFLAMMATION ] TGLs = 6-5,6

Lymph Node

Bronchial  
Mediastinal

Hyperplasia  
Hyperplasia

Histiocytic, Moderate  
Histiocytic, Moderate

[ Hyperplasia TGLS = 8-2 ]

[ Hyperplasia TGLS = 7-2 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 243

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 800

**DOSE:** 18 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Nose	Respirat Epith	Hyperplasia	Minimal
Penis			
Note: TGL9=CORPUS CAVERNOSUS			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 1-3			
Testes	Interstit Cell	Adenoma	
		Atrophy	Marked
Note: [ ATROPHY ] TGLs = 4-9			
Note: [ ADENOMA ] TGLs = 5-9			
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 244

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 607

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
Heart		Cardiomyopathy	Minimal
Liver	Centrilobular	Degeneration	Marked
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [ DEGEN ] TGLs = 2-4,15			
Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA CONFOUNDS GRADING			
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
	Bronchial	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: [ HYPERPLASIA ] TGLs = 4-2			
Note: [ HYPERPLASIA ] TGLs = 3-2			
Nose	Respirat Epith	Hyperplasia	Minimal
Pancreas		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

---

**ANIMAL ID:** 244

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 607

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Pituitary Gland

Pars Distalis

Hyperplasia

Marked

Spleen

Leukemia Mononuclear

[ Leukemia Mononuclear TGLS = 1-3 ]

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 245

TRT#: 3

SEX: Male

DAY ON TEST: 791

DOSE: 18 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Medulla	Pheochromocytoma Malignant	
Note: [ PHEOCHROM MAL ] TGLs = 2-14			
Heart		Cardiomyopathy	Mild
	Atrium	Thrombosis	
Note: [ THROMBUS ] TGLs = 5-15			
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
Lung		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Spleen		Atrophy	Moderate
Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate
Note: [ ATROPHY ] TGLs = 1-9			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:02  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

---

**ANIMAL ID:** 245

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 791

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 246

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 800

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

Esophagus

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Hyperplasia	Moderate
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
Lung		Cyst	
	Interstitium	Fibrosis	Focal, Marked
	Alveolar Epith	Hyperplasia	Mild
	Peribronchial	Hyperplasia	Histiocytic, Mild
		Inflammation	Granulomatous, Mild
	Alveolus	Metaplasia	Squamous, Minimal
Note: [ HYPERPLASIA ] TGLs = 4-6			
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Note: [ CYST ] TGLs = 6-15			
Note: CYST IS SQUAMOUS			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

---

**ANIMAL ID:** 246

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 800

**DOSE:** 18 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Hyperplasia TGLS = 3-2 ]

[ Hyperplasia TGLS = 2-2 ]

Nose

Respirat Epith

Hyperplasia

Minimal

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 1-9

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 247

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 800

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Small - Duodenum  
Larynx  
Nose  
Salivary Glands  
Stomach - Forestomach  
Trachea

Bone  
Esophagus  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Seminal Vesicle  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Preputial Gland  
Skin  
Thymus

Brain  
Intestine Large - Colon  
Islets, Pancreatic  
Mammary Gland  
Prostate  
Spleen  
Thyroid Gland

MISSING

Intestine Large - Rectum

INSUFFICIENT TISSUE

Lymph Node - Mediastinal

OBSERVATIONS

Adrenal Gland

Medulla  
Medulla

Hyperplasia  
Pheochromocytoma Benign

Marked

Note: [ HYPERPLASIA ] TGLs = 3-14

Heart

Cardiomyopathy

Mild

Kidney

Nephropathy

Moderate

Note: [ NEPHROPATHY ] TGLs = 4-3

Liver

Basophilic Focus

Mild

Lung

Bile Duct  
Interstitialium  
Alveolar Epith

Hyperplasia  
Fibrosis  
Hyperplasia  
Inflammation

Mild  
Focal, Marked  
Moderate  
Granulomatous, Marked

Note: [ INFLAMMATION ] TGLs = 8-5,6,15

Lymph Node

Bronchial

Hyperplasia

Histiocytic, Moderate

Note: [ HYPERPLASIA ] TGLs = 9-2

Parathyroid Gland

Hyperplasia

Moderate

Pituitary Gland

Pars Distalis

Adenoma

Testes

Bilateral, Interstit Cell

Adenoma

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:02  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

---

**ANIMAL ID:** 247

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 800

**DOSE:** 18 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ ADENOMA ] TGLs = 1,2-9

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 248

TRT#: 9

SEX: Male

DAY ON TEST: 194

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Parathyroid Gland	Thyroid Gland
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PRESENT BUT NOT EXAMINED

Eye	Tongue	Zymbal's Gland
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OBSERVATIONS

Intestine Large Note: PARASITE IS SYPHACIA	Cecum	Parasite Metazoan	Mild
Lung  Note: RESPONSE IS EVIDENT. Note: [ INFLAMMATION ] TGLs = 2-5 Note: REFRACTING PARTICLES. LITTLE OTHER INFLAMMATORY Note: LESION CONSISTS OF MACROPHAGE CLUSTERS WHICH CONTAIN	Peribronchial	Hyperplasia Inflammation	Histiocytic, Mild Granulomatous, Mild
Lymph Node Note: HISTIOCYTIC FOCI CONTAIN REFRACTING PARTICLES Note: [ HYPERPLASIA ] TGLs = 1-2	Bronchial	Hyperplasia	Histiocytic, Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Talc

Time Report Requested: 19:07:02

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 14807-96-6

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: LITRI

ANIMAL ID: 250

TRT#: 9

SEX: Male

DAY ON TEST: 738

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Lymph Node - Mediastinal	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Pituitary Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea

MISSING

Parathyroid Gland	Thyroid Gland	Urinary Bladder
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OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
Lung	Interstitialium	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Mild
	Peribronchial	Hyperplasia	Histiocytic, Mild
		Inflammation	Granulomatous, Moderate
Note: [ INFLAMMATION ] TGLs = 2-6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
Testes	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 251

TRT#: 3

SEX: Male

DAY ON TEST: 645

DOSE: 18 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Lymph Node - Mesenteric  
Pituitary Gland  
Seminal Vesicle  
Thyroid Gland

Bone Marrow  
Islets, Pancreatic  
Mammary Gland  
Preputial Gland  
Skin  
Trachea

Brain  
Larynx  
Nose  
Prostate  
Stomach - Forestomach  
Urinary Bladder

Epididymis  
Lymph Node - Mandibular  
Pancreas  
Salivary Glands  
Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum  
Intestine Small - Ileum

Intestine Large - Colon  
Intestine Small - Jejunum

Intestine Large - Rectum

Intestine Small - Duodenum

OBSERVATIONS

Adrenal Gland

Medulla  
Medulla

Pheochromocytoma Benign  
Pheochromocytoma Malignant

Note: [ PHEOCHROM MAL ] TGLs = 5-14

Note: MALIGNANCY BASED ON VESSEL AND CAPSULE INVASION

Note: [ PHEOCHROM BGN ] TGLs = 5-14

Blood Vessel

Mesent Artery  
Aorta  
Mesent Artery

Aneurysm  
Mineralization  
Mineralization

Moderate  
Moderate

Note: [ MINERALIZATION ] TGLs = 6-8,15,17

Note: [ ANEURYSM ] TGLs = 11-17

[ Aneurysm TGLS = 3,11-7,17 ]

Bone

Heart

Myocardium

Fibrous Osteodystrophy  
Cardiomyopathy  
Mineralization  
Nephropathy

Moderate  
Mild  
Marked

Kidney

Note: [ NEPHROPATHY ] TGLs = 4-3

Liver

Lung

Bile Duct

Interstitium

Hyperplasia  
Inflammation  
Mineralization

Minimal  
Granulomatous, Mild  
Minimal

Note: [ INFLAMMATION ] TGLs = 10-5,6

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 251

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 645

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 8-2			
Note: [ HYPERPLASIA ] TGLs = 9-2			
Parathyroid Gland		Hyperplasia	Moderate
Note: [ HYPERPLASIA ] TGLs = 7-2			
Spleen		Cyst	
[ Cyst TGLS = 2-16 ]			
Stomach	Glandular	Mineralization	Minimal
Testes		Atrophy	Mild
[ Atrophy TGLS = 1-9 ]			
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 252

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 719

HISTO: 8

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
	Medulla	Osteosarcoma	Metastatic (Uncertain Primary Site)
Heart		Cardiomyopathy	Mild
Kidney		Calculus Micro Observation Only	
		Hydronephrosis	Moderate
	Medulla	Inflammation	Moderate
		Nephropathy	Mild
Note: [ HYDRONEPHROSIS ] TGLs = 7-3			
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
Lung	Interstitialium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
		Osteosarcoma	Metastatic (Uncertain Primary Site)
Note: [ INFLAMMATION ] TGLs = 8-5,6			
Note: [ OSTEOSARC ] TGLs = 13-16			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 9-2			
Note: [ HYPERPLASIA ] TGLs = 10-2			
Note: MES.LN GROSS LESION IS INFILTRATE IN MESENTERY			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 252

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 719

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:** 8

**ORGAN AND ACCOUNTABLE SITE STATUS**

Mesentery Note: [ INFLAMMATION ] TGLs = 1-8		Inflammation	Mild
Pituitary Gland Note: [ ADENOMA ] TGLs = 11-14	Pars Distalis	Adenoma	
Prostate		Inflammation	Marked
Testes Note: [ ADENOMA ] TGLs = 5,12-9,17	Bilateral, Interstit Cell	Adenoma	
Ureter Note: [ CALCUS MIC OBS ] TGLs = 3-15		Calculus Micro Observation Only	
Urinary Bladder [ Calculus Gross Observation TGLS = 4-8 ]	Mucosa	Calculus Gross Observation Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 265

TRT#: 9

SEX: Male

DAY ON TEST: 738

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone

Bone Marrow

Brain

Epididymis

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Larynx

Lymph Node - Mandibular

Lymph Node - Mesenteric

Nose

Pancreas

Parathyroid Gland

Preputial Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Esophagus

OBSERVATIONS

Adrenal Gland

Bilateral, Medulla

Pheochromocytoma Benign

Heart

Cardiomyopathy

Mild

Kidney

Nephropathy

Marked

Note: [ NEPHROPATHY ] TGLs = 6-3

Liver

Basophilic Focus

Minimal

Note: [ CONGESTION ] TGLs = 5-4

Lung

Interstitialium

Fibrosis

Focal, Minimal

Alveolar Epith

Hyperplasia

Minimal

Note: [ INFLAMMATION ] TGLs = 3-6

Lymph Node

Bronchial

Hyperplasia

Histiocytic, Marked

Mediastinal

Hyperplasia

Histiocytic, Marked

Note: [ HYPERPLASIA ] TGLs = 1,2-2

Mammary Gland

Lobules

Hyperplasia

Moderate

Pituitary Gland

Pars Distalis

Adenoma

Note: [ ADENOMA ] TGLs = 9-14

Spleen

Atrophy

Moderate

Note: [ ATROPHY ] TGLs = 4-3

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 265

**TRT#:** 9

**SEX:** Male

**DAY ON TEST:** 738

**DOSE:** 18 MG/M3LUNG TOX

**DISP:** Scheduled Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Testes

Interstit Cell

Adenoma

Atrophy

Moderate

Note: [ ADENOMA ] TGLs = 7-9

Note: [ ATROPHY ] TGLs = 8-9

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 266

TRT#: 3

SEX: Male

DAY ON TEST: 617

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Kidney	Larynx	Lymph Node - Mandibular	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Preputial Gland	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Minimal
Islets, Pancreatic		Adenoma	
Liver	Centrilobular	Atrophy	Mild
		Basophilic Focus	Minimal
		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
	Mediastinal	Hyperplasia	Histiocytic, Mild
	Mesenteric	Hyperplasia	Lymphoid, Moderate
	Bronchial	Leukemia Mononuclear	
Note: [ HYPERPLASIA ] TGLs = 3-2			
Note: [ HYPERPLASIA ] TGLs = 2-2			
Pituitary Gland	Pars Intermed	Adenoma	
Note: [ ADENOMA ] TGLs = 5-14			
Prostate		Inflammation	Marked

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 266

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 617

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 1-3

Testes

Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 6-9

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 267

TRT#: 3

SEX: Male

DAY ON TEST: 653

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Brain		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 6-1,15			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4,5,7-5,6,17			
Note: [ INFLAMMATION ] TGLs = 4,5,7-5,6,17			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Marked
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ HYPERPLASIA ] TGLs = 3-2			
Note: BRONCHIAL LN ON SLIDE #16			
Nose	Respirat Epith	Hyperplasia	Minimal
Preputial Gland		Inflammation	Moderate
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 267

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 653

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ LEUKEMIA MONUC ] TGLs = 1-3

Stomach

Forestomach

Ulcer

Mild

Testes

Bilateral, Interstit Cell

Adenoma

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 268

TRT#: 3

SEX: Male

DAY ON TEST: 800

DOSE: 18 MG/M3

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Marked
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Mild
	Bile Duct	Hyperplasia	Minimal
Lung	Interstitium	Fibrosis	Focal, Marked
	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 2-2			
Note: [ HYPERPLASIA ] TGLs = 3-2			
Nose	Respirat Epith	Hyperplasia	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-9			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 269

TRT#: 9

SEX: Male

DAY ON TEST: 556

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
Lung	Interstitial	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 3-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 1,2-2,6			
Testes	Interstitial Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 270

TRT#: 3

SEX: Male

DAY ON TEST: 676

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mesenteric	Mammary Gland	Nose	Parathyroid Gland
Pituitary Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	
Intestine Large	Cecum	Inflammation	Mild
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Atrophy	Marked
	Bile Duct	Hyperplasia	Moderate
		Hyperplasia	Focal, Moderate
		Leukemia Mononuclear	
Note: [ HYPERPLASIA ] TGLs = 9-4			
Note: [ ATROPHY ] TGLs = 8-4			
Lung	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
Note: [ INFLAMMATION ] TGLs = 12-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
	Mandibular	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 270

TRT#: 3

SEX: Male

DAY ON TEST: 676

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Mediastinal

Leukemia Mononuclear

Pancreatic

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 11-2

Note: [ HYPERPLASIA ] TGLs = 10-2

Note: [ LEUKEMIA MONUC ] TGLs = 7-15

Note: [ LEUKEMIA MONUC ] TGLs = 1-10

Pancreas

Lobules

Atrophy

Mild

Prostate

Inflammation

Moderate

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 5-3

Testes

Bilateral, Interstit Cell

Adenoma

Atrophy

Moderate

Note: [ ADENOMA ] TGLs = 2,3-9

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 271

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 793

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Nose
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OBSERVATIONS

Adrenal Gland	Cortex Bilateral, Medulla	Hyperplasia Pheochromocytoma Benign	Focal, Minimal
[ Pheochromocytoma Benign TGLS = 3,4-14 ]			
Heart	Atrium	Cardiomyopathy Thrombosis	Mild
Note: [ THROMBUS ] TGLs = 8-3			
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 5-3			
Liver	Centrilobular	Necrosis	Moderate
Lung		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 10-5,6			
Lymph Node	Bronchial Mandibular Mediastinal	Hyperplasia Hyperplasia Hyperplasia	Histiocytic, Marked Plasma Cell, Mild Histiocytic, Marked
Note: [ HYPERPLASIA ] TGLs = 7-2			
Note: [ HYPERPLASIA ] TGLs = 1-10			
Note: [ HYPERPLASIA ] TGLs = 9-2			
Parathyroid Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 11-14			
Preputial Gland		Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 271

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 793

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Prostate		Inflammation	Marked
Salivary Glands		Necrosis	Moderate
Stomach	Glandular	Mineralization	Minimal
Testes		Atrophy	Marked

Note: [ ATROPHY ] TGLs = 2-9

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 274

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 791

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Intestine Large - Rectum	Parathyroid Gland	Thyroid Gland
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AUTO PRECLUDES DIAG.

Intestine Small - Ileum	Nose
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OBSERVATIONS

Adrenal Gland Note: [ PHEOCHROM MAL ] TGLs = 4,5-14	Bilateral, Medulla	Pheochromocytoma Malignant	
Heart		Cardiomyopathy	Moderate
Intestine Large	Cecum	Parasite Metazoan	
Kidney Note: [ CYST ] TGLs = 8-16		Cyst	
Liver		Nephropathy	Moderate
	Bile Duct	Degeneration	Cystic, Minimal
	Centrilobular	Hyperplasia	Minimal
		Necrosis	Moderate
Note: NO CORRESP. LESION FOR TGL9 SEE SLIDE #17			
Lung	Interstitial	Fibrosis	Focal, Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 6-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Marked
[ Hyperplasia TGLS = 7-2 ]			
Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 274

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 791

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Mesothelioma Malignant

Note: MALIGNANCY BASED ON INVASION

Note: [ MESOTHELIO MAL ] TGLs = 3-9,15

[ Adenoma TGLS = 1,2-9 ]

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 275

TRT#: 3

SEX: Male

DAY ON TEST: 800

DOSE: 18 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Larynx	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Pituitary Gland	Preputial Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Note: [ PHEOCHROM BGN ] TGLs = 9-14			
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Moderate
Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Eosinophilic Focus	Mild
		Hyperplasia	Moderate
		Neoplastic Nodule	Multiple
Note: [ NEOPLASTIC NOD ] TGLs = 7-15			
[ Atrophy TGLS = 5-4 ]			
[ Hyperplasia TGLS = 8-4,15 ]			
Lung		Cyst	
	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
Note: [ INFLAMMATION ] TGLs = 14-5,6			
Note: CYST IS SQUAMOUS			
Note: [ CYST ] TGLs = 13-5			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 275

TRT#: 3

SEX: Male

DAY ON TEST: 800

DOSE: 18 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ HYPERPLASIA ] TGLs = 12-5

Lymph Node

Bronchial  
Mandibular  
Mediastinal  
Mesenteric

Hyperplasia  
Hyperplasia  
Hyperplasia  
Hyperplasia

Histiocytic, Mild  
Plasma Cell, Moderate  
Histiocytic, Moderate  
Plasma Cell, Moderate

Note: [ HYPERPLASIA ] TGLs = 3-8

Note: [ HYPERPLASIA ] TGLs = 15-2

Note: [ HYPERPLASIA ] TGLs = 11-2

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 4-3

Testes

Bilateral, Interstit Cell

Adenoma  
Atrophy

Moderate

Note: [ ATROPHY ] TGLs = 1-9

Note: [ ADENOMA ] TGLs = 2-9

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 276

TRT#: 3

DOSE: 18 MG/M3

SEX: Male

DISP: Natural Death

DAY ON TEST: 800

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Colon	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
[ Pheochromocytoma Benign TGLS = 1-14 ]			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
Note: NO CORRESP. LESION FOR TGL7 SEE SLID #15			
Lung	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Mild
	Peribronchial	Hyperplasia	Histiocytic, Mild
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 3-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 5-2			
Note: [ HYPERPLASIA ] TGLs = 4-2			
Preputial Gland		Inflammation	Mild
Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 276

**TRT#:** 3

**SEX:** Male

**DAY ON TEST:** 800

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: [ ADENOMA ] TGLs = 2-9

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 290

TRT#: 7

SEX: Male

DAY ON TEST: 192

DOSE: CONTROL LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Rectum  
Islets, Pancreatic  
Lung  
Mammary Gland  
Preputial Gland  
Skin  
Testes  
Urinary Bladder

Bone  
Esophagus  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Bronchial  
Nose  
Prostate  
Spleen  
Thymus

Bone Marrow  
Heart  
Intestine Small - Ileum  
Larynx  
Lymph Node - Mandibular  
Pancreas  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Liver  
Lymph Node - Mediastinal  
Pituitary Gland  
Seminal Vesicle  
Stomach - Glandular  
Trachea

**MISSING**

Adrenal Gland - Medulla

Lymph Node - Mesenteric

Parathyroid Gland

**PRESENT BUT NOT EXAMINED**

Eye

Tongue

**OBSERVATIONS**

Intestine Large

Cecum

Parasite Metazoan

Mild

Note: PARASITE IS SYPHACIA

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 291

TRT#: 1

SEX: Male

DAY ON TEST: 746

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Intestine Large - Colon  
Lung  
Salivary Glands

Bone Marrow  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Thyroid Gland

Brain  
Intestine Small - Jejunum  
Parathyroid Gland  
Trachea

Esophagus  
Islets, Pancreatic  
Pituitary Gland

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland  
Bone

Bilateral, Medulla  
Coccygeal

Pheochromocytoma Benign  
Necrosis

Marked

Note: GANGRENE OF TAIL  
Note: [ NECROSIS ] TGLs = 9-16

Epididymis  
Heart

Leukemia Mononuclear  
Cardiomyopathy

Mild

Intestine Large  
Intestine Small

Cecum  
Duodenum

Leukemia Mononuclear  
Leukemia Mononuclear

Kidney  
Larynx

Nephropathy  
Inflammation

Mild  
Suppurative, Moderate

Liver

Centrilobular  
Bile Duct

Degeneration  
Fibrosis  
Hyperplasia  
Leukemia Mononuclear

Moderate  
Mild  
Marked

Note: [ LEUKEMIA MONUC ] TGLs = 8,11-4,15,17  
Note: [ LEUKEMIA MONUC ] TGLs = 8-4,15

Lymph Node

Bronchial  
Lumbar  
Mediastinal  
Mesenteric  
Pancreatic

Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 7-2  
Note: [ LEUKEMIA MONUC ] TGLs = 6-2

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 291

TRT#: 1

SEX: Male

DAY ON TEST: 746

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Mammary Gland		Galactocele	
Mesentery		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-8			
Nose		Inflammation	Suppurative, Minimal
Pancreas		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-7			
Preputial Gland		Hyperplasia	Marked
		Inflammation	Marked
Note: [ HYPERPLASIA ] TGLs = 1-9			
Prostate		Leukemia Mononuclear	
Seminal Vesicle		Leukemia Mononuclear	
Skin	Tail	Necrosis	Marked
[ Necrosis TGLS = 9-16 ]			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-3			
Stomach	Forestomach	Leukemia Mononuclear	
	Glandular	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 12-7,18			
Testes		Atrophy	Marked
		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-9 ]			
Thymus		Leukemia Mononuclear	
Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 293

TRT#: 1

SEX: Male

DAY ON TEST: 800

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Small - Ileum  
Lymph Node - Bronchial  
Mammary Gland  
Prostate  
Stomach - Forestomach  
Trachea

Bone  
Esophagus  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Nose  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Rectum  
Larynx  
Lymph Node - Mediastinal  
Pancreas  
Seminal Vesicle  
Thymus

Brain  
Intestine Small - Duodenum  
Liver  
Lymph Node - Mesenteric  
Pituitary Gland  
Skin  
Thyroid Gland

MISSING

Parathyroid Gland

INSUFFICIENT TISSUE

Islets, Pancreatic

OBSERVATIONS

Adrenal Gland  
Heart  
Intestine Large

Medulla  
Cecum  
Colon

Hyperplasia  
Cardiomyopathy  
Parasite Metazoan  
Parasite Metazoan  
Nephropathy  
Hyperplasia

Minimal  
Minimal  
  
Moderate  
Moderate

Kidney  
Lung  
Note: [ HYPERPLASIA ] TGLs = 4-5

Alveolar Epith

Inflammation  
Leukemia Mononuclear

Mild

Preputial Gland  
Spleen  
Note: [ LEUKEMIA MONUC ] TGLs = 1-3

Bilateral, Interstit Cell

Adenoma

Testes  
Note: [ ADENOMA ] TGLs = 2-9,3-9

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 294

TRT#: 1

SEX: Male

DAY ON TEST: 586

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Nose  
Prostate  
Spleen  
Thyroid Gland

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mediastinal  
Pancreas  
Salivary Glands  
Stomach - Forestomach  
Trachea

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Parathyroid Gland  
Seminal Vesicle  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Lung  
Mammary Gland  
Pituitary Gland  
Skin  
Thymus

MISSING

Lymph Node - Bronchial

OBSERVATIONS

Kidney  
Larynx  
Liver

Bile Duct

Preputial Gland

Note: [ ADENOCARC ] TGLs = 1-15

Note: MALIGNANCY BASED O INVASION & ANAPLASIA

Testes

Interstit Cell

Nephropathy  
Inflammation  
Basophilic Focus  
Hyperplasia  
Carcinoma

Minimal  
Suppurative, Minimal  
Mild  
Minimal

Hyperplasia

Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 295

TRT#: 1

SEX: Male

DAY ON TEST: 590

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
Preputial Gland		Hyperplasia	Marked
		Inflammation	Moderate
[ Hyperplasia TGLS = 1-15 ]			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 296

TRT#: 1

SEX: Male

DAY ON TEST: 724

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Bronchial	Lymph Node - Mandibular
Lymph Node - Mediastinal	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Seminal Vesicle
Skin	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Moderate
	Medulla	Hyperplasia	Minimal
Eye	Cornea	Necrosis	Marked
Note: CORNEA IS ULCERATED [ Necrosis TGLS = 3-15 ]			
Kidney		Nephropathy	Mild
Liver	Centrilobular	Degeneration	Marked
	Bile Duct	Fatty Change	Moderate
		Hyperplasia	Marked
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Nose	Mucosa	Inflammation	Suppurative, Mild
Prostate		Inflammation	Mild
Salivary Glands		Inflammation	Minimal
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 2-3 ]			
Stomach	Glandular	Mineralization	Mild
	Glandular	Ulcer	Mild
Note: [ MINERALIZATION ] TGLs = 4-16			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-9			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 296

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 724

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 297

TRT#: 1

SEX: Male

DAY ON TEST: 800

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Liver	Lung	Lymph Node - Bronchial
Lymph Node - Mandibular	Lymph Node - Mediastinal	Lymph Node - Mesenteric	Mammary Gland
Nose	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Note: [ PHEOCHROM BGN ] TGLs = 6-14			
Note: BASED ON SIZE, ANAPLASIA,& PRESENCE IN VEIN			
Bone Marrow	Myeloid Cell	Hyperplasia	Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 5-3			
Pancreas	Lobules	Atrophy	Mild
Parathyroid Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 7-14			
Prostate		Inflammation	Moderate
Spleen		Inflammation	Granulomatous, Focal, Minimal
Note: [ INFLAMMATION ] TGLs = 3-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1,2-9			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:02

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 298

TRT#: 1

DOSE: CONTROL

SEX: Male

DISP: Natural Death

DAY ON TEST: 741

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Islets, Pancreatic	Larynx	Lung
Lymph Node - Mandibular	Lymph Node - Mediastinal	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Seminal Vesicle	Skin	Spleen
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild, Minimal
	Medulla	Pheochromocytoma Benign	
	Medulla	Pheochromocytoma Malignant	
Note: [ PHEOCHROM MAL ] TGLs = 2-14			
Note: MALIGNANCY BASED ON CAPSULE INVASION			
Note: [ PHEOCHROM BGN ] TGLs = 2-14			
Heart		Cardiomyopathy	Mild
Intestine Large	Rectum	Inflammation	Mild
Kidney		Cyst	
		Nephropathy	Moderate
Note: [ CYST ] TGLs = 7-3			
Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular	Necrosis	Marked
Lymph Node	Bronchial	Atrophy	Moderate
Preputial Gland		Hyperplasia	Marked
		Inflammation	Moderate
[ Hyperplasia TGLS = 1-15 ]			
Prostate		Inflammation	Mild
Stomach	Glandular	Ulcer	Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:02

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 298

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 741

**DOSE:** CONTROL

**DISP:** Natural Death

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ ULCER ] TGLs = 8-15

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 3-9

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 299

TRT#: 7

SEX: Male

DAY ON TEST: 738

DOSE: CONTROL LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone

Bone Marrow

Brain

Epididymis

Esophagus

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Larynx

Lung

Lymph Node - Mandibular

Lymph Node - Mediastinal

Lymph Node - Mesenteric

Mammary Gland

Nose

Pancreas

Pituitary Gland

Preputial Gland

Prostate

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Lymph Node - Bronchial

OBSERVATIONS

Adrenal Gland

Medulla

Hyperplasia

Minimal

Heart

Cardiomyopathy

Mild

Intestine Large

Cecum

Parasite Metazoan

Kidney

Nephropathy

Mild

Liver

Basophilic Focus

Minimal

Bile Duct

Hyperplasia

Minimal

Parathyroid Gland

Hyperplasia

Mild

Testes

Interstit Cell

Adenoma

Cyst

Note: [ CYST ] TGLs = 3-9

Note: [ ADENOMA ] TGLs = 2-9

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 300

TRT#: 1

SEX: Male

DAY ON TEST: 360

DOSE: CONTROL

DISP: Natural Death

HISTO: 50791300

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**INSUFFICIENT TISSUE**

Larynx

**OBSERVATIONS**

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
Heart	Epicardium	Hyperplasia	Moderate
Lymph Node	Bronchial	Hemorrhage	Chronic, Moderate
	Mediastinal	Hemorrhage	Chronic, Moderate
Thymus		Thymoma Malignant	

Note: MALIGNANCY BASED ON ANAPLASIA, MITOTIC INDEX & SIZE

[ Thymoma Malignant TGLS = 2-2,15 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 313

TRT#: 1

SEX: Male

DAY ON TEST: 709

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mediastinal	Mammary Gland
Nose	Parathyroid Gland	Pituitary Gland	Preputial Gland
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Inflammation	Mild
	Rectum	Inflammation	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 4-15		
Note: [ LEUKEMIA MONUC ]	TGLs = 3-15		
Pancreas	Lobules	Atrophy	Minimal
Prostate		Inflammation	Moderate
Spleen		Leukemia Mononuclear	
Note: TGL 5 IS NECROTIC FOCUS IN ENLARGED LEUKEMIC SPLEEN			
Note: [ LEUKEMIA MONUC ]	TGLs = 1,5-3,16		
Testes	Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:03  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 313

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 709

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 314

**TRT#:** 7

**SEX:** Male

**DAY ON TEST:** 333

**DOSE:** CONTROL LUNG TOX

**DISP:** Scheduled Sacrifice

**HISTO:** 50791314

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Larynx  
Lymph Node - Mediastinal  
Pancreas  
Salivary Glands  
Stomach - Forestomach  
Thyroid Gland

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Colon  
Intestine Small - Jejunum  
Liver  
Lymph Node - Mesenteric  
Pituitary Gland  
Seminal Vesicle  
Stomach - Glandular  
Trachea

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lung  
Mammary Gland  
Preputial Gland  
Skin  
Testes  
Urinary Bladder

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mandibular  
Nose  
Prostate  
Spleen  
Thymus

**MISSING**

Lymph Node - Bronchial

Parathyroid Gland

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 316

TRT#: 1

DOSE: CONTROL

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 700

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Moderate
	Medulla	Pheochromocytoma Benign	
Heart	Atrium	Cardiomyopathy	Mild
		Thrombosis	
Note: [ THROMBUS ] TGLs = 9-3			
Intestine Large	Cecum	Inflammation	Moderate
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 7-3			
Liver	Centrilobular	Angiectasis	Focal, Mild
		Basophilic Focus	Minimal
		Degeneration	Marked
		Degeneration	Cystic, Moderate
	Bile Duct	Hyperplasia	Marked
Note: [ DEGEN ] TGLs = 5-4,15			
Lung	Alveolar Epith	Hyperplasia	Mild
Note: [ HYPERPLASIA ] TGLs = 13-5			
Pancreas	Lobules	Atrophy	Minimal
Spleen		Infarct	Moderate
		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 316

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 700

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ INFARCT ] TGLs = 4-3

Note: [ LEUKEMIA MONUC ] TGLs = 3-3

Testes

Interstit Cell

Adenoma

Atrophy

Marked

Note: [ ADENOMA ] TGLs = 2-9

Note: [ ATROPHY ] TGLs = 1-9

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 317

TRT#: 1

SEX: Male

DAY ON TEST: 698

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Mammary Gland	Nose	Parathyroid Gland
Pituitary Gland	Preputial Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
	Medulla	Pheochromocytoma Benign	
Heart	Atrium	Cardiomyopathy	Moderate
		Thrombosis	
Note: [ THROMBUS ] TGLs = 10-3			
Intestine Large	Cecum	Inflammation	Mild
Kidney		Nephropathy	Mild
Note: [ NEPHROPATHY ] TGLs = 6,7-3			
Liver	Centrilobular	Atrophy	Mild
		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Neoplastic Nodule	Multiple
Note: [ NEOPLASTIC NOD ] TGLs = 14-16			
Lung		Infarct	Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 12-5,6			
Note: INFARCTS RESULT OF LEUKEMIA			
Lymph Node	Bronchial	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 317

TRT#: 1

SEX: Male

DAY ON TEST: 698

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Pancreatic

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 5-7

Note: [ LEUKEMIA MONUC ] TGLs = 2-8

Note: [ LEUKEMIA MONUC ] TGLs = 1-10

Note: [ LEUKEMIA MONUC ] TGLs = 9-2

Note: [ LEUKEMIA MONUC ] TGLs = 11-2

Pancreas

Lobules

Atrophy

Minimal

Leukemia Mononuclear

Prostate

Atrophy

Mild

Note: [ ATROPHY ] TGLs = 15-9

Seminal Vesicle

Atrophy

Mild

Note: [ ATROPHY ] TGLs = 16-9

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 3-3,4-15

Testes

Interstit Cell

Adenoma

Thymus

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 8-2

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 318

TRT#: 1

SEX: Male

DAY ON TEST: 593

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Preputial Gland
Salivary Glands	Seminal Vesicle	Skin	Stomach - Glandular
Testes	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Moderate
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 8,10-1,16			
Heart		Cardiomyopathy	Minimal
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-4			
Lung		Leukemia Mononuclear	
Lymph Node	Bronchial	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-8			
Note: [ LEUKEMIA MONUC ] TGLs = 4-15			
Note: [ LEUKEMIA MONUC ] TGLs = 6-2			
Note: [ LEUKEMIA MONUC ] TGLs = 1-10			
Note: [ LEUKEMIA MONUC ] TGLs = 7-2			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 318

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 593

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Pituitary Gland Note: [ HYPERPLASIA ] TGLs = 9-14	Pars Distalis	Hyperplasia	Moderate
Prostate		Inflammation Leukemia Mononuclear	Mild
Spleen Note: [ LEUKEMIA MONUC ] TGLs = 2-3		Leukemia Mononuclear	
Stomach	Forestomach	Inflammation	Mild
Thymus		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 319

TRT#: 1

DOSE: CONTROL

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 747

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Note: [ PHEOCHROM BGN ] TGLs = 7-14			
Heart		Cardiomyopathy	Moderate
Note: [ LEUKEMIA MONUC ] TGLs = 9-17			
Note: TGL9 IS THROMBUS OF LEUKEMIC CELLS			
Intestine Large	Cecum	Ulcer	Marked
Note: [ ULCER ] TGLs = 5-16			
Intestine Small	Duodenum	Ulcer	Moderate
Kidney		Nephropathy	Moderate
[ Nephropathy TGLS = 8-3 ]			
Liver		Degeneration	Cystic, Moderate
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Marked
Note: [ LEUKEMIA MONUC ] TGLs = 6-4,15			
Lung		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 11-5,6			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Pancreas	Lobules	Atrophy	Minimal
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 319

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 747

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ LEUKEMIA MONUC ] TGLs = 3,4-3

Testes

Interstit Cell

Adenoma

Atrophy

Moderate

Note: [ ATROPHY ] TGLs = 2-9

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 320

TRT#: 7

SEX: Male

DAY ON TEST: 333

DOSE: CONTROL LUNG TOX

DISP: Scheduled Sacrifice

HISTO: 50791320

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Heart	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Larynx	Liver	Lung	Lymph Node - Bronchial
Lymph Node - Mesenteric	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thyroid Gland	Trachea
Urinary Bladder			

**MISSING**

Lymph Node - Mandibular	Mammary Gland
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**OBSERVATIONS**

Adrenal Gland	Medulla	Pheochromocytoma Nos	
Intestine Large	Cecum	Parasite Metazoan	Moderate
	Colon	Parasite Metazoan	Moderate
	Rectum	Parasite Metazoan	Moderate
Lymph Node	Mediastinal	Congestion	Mild
Thymus		Atrophy	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 321

TRT#: 1

DOSE: CONTROL

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 787

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
	Medulla	Pheochromocytoma Benign	
[ Pheochromocytoma Benign TGLS = 8-14 ]			
Heart		Cardiomyopathy	Moderate
Intestine Large	Cecum	Inflammation	Minimal
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 7-3			
Liver	Centrilobular	Atrophy	Mild
		Basophilic Focus	Minimal
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Neoplastic Nodule	Multiple
Note: [ ATROPHY ] TGLs = 6-4			
Lung	Alveolar Epith	Hyperplasia	Mild
Lymph Node	Bronchial	Atrophy	Moderate
	Mediastinal	Atrophy	Moderate
	Mesenteric	Atrophy	Moderate
	Pancreatic	Atrophy	Moderate
Note: CONGESTION CAUSED ENLARGEMENT OF PLN,MLN			
Note: [ ATROPHY ] TGLs = 9-2			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 321

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 787

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ ATROPHY ] TGLs = 10-2

Note: [ ATROPHY ] TGLs = 4-15

Pituitary Gland

Pars Distalis

Hyperplasia

Minimal

Spleen

Atrophy

Moderate

Note: CONGESTION MAKES ENLARGEMENT

Note: [ ATROPHY ] TGLs = 3-3

Stomach

Forestomach

Ulcer

Marked

Note: [ ULCER ] TGLs = 5-7

Testes

Interstit Cell

Adenoma

Moderate

Atrophy

[ Adenoma TGLS = 2-9 ]

[ Atrophy TGLS = 1-9 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 322

TRT#: 1

DOSE: CONTROL

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 800

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mediastinal
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea			

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Note: [ PHEOCHROM BGN ]	TGLs = 2-14		
Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Note: [ LEUKEMIA MONUC ]	TGLs = 8,9-3,15		
Liver		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 5-5,6,15		
Lymph Node	Bronchial	Leukemia Mononuclear	
	Iliac	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 6-17		
Note: [ LEUKEMIA MONUC ]	TGLs = 7-2		
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
		Leukemia Mononuclear	
Prostate		Inflammation	Minimal
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 1-15		
Testes	Interstit Cell	Adenoma	
		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 322

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 800

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ LEUKEMIA MONUC ] TGLs = 3,4-9,15

Note: [ ADENOMA ] TGLs = 3,4-9,16

Thyroid Gland

C Cell

Adenoma

Urinary Bladder

Leukemia Mononuclear

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 323

TRT#: 1

DOSE: CONTROL

SEX: Male

DISP: Natural Death

DAY ON TEST: 782

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Note: [ PHEOCHROM BGN ] TGLs = 5-14			
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Inflammation	Mild
Kidney	Renal Tubule	Carcinoma	
		Nephropathy	Moderate
Note: MALIGNANCY BASED ON ANAPLASIA			
Larynx		Inflammation	Suppurative, Minimal
Liver	Centrilobular	Atrophy	Mild
		Basophilic Focus	Mild
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-4			
Lung		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 9-5,6			
Lymph Node	Bronchial	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 7-2			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 323

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 782

**DOSE:** CONTROL

**DISP:** Natural Death

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ LEUKEMIA MONUC ] TGLs = 8-2			
Prostate		Inflammation	Mild
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 1,2-3			
Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 3-9 ]			
Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 324

TRT#: 1

SEX: Male

DAY ON TEST: 799

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Marked
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	Moderate
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Moderate
[ Pigmentation TGLS = 1-2 ]			
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2,3-9			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 337

TRT#: 1

SEX: Male

DAY ON TEST: 795

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Nose  
Salivary Glands  
Stomach - Forestomach  
Urinary Bladder

Bone  
Esophagus  
Intestine Small - Duodenum  
Larynx  
Lymph Node - Mediastinal  
Pancreas  
Seminal Vesicle  
Stomach - Glandular

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Lymph Node - Mesenteric  
Pituitary Gland  
Skin  
Thymus

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Bronchial  
Mammary Gland  
Preputial Gland  
Spleen  
Trachea

MISSING

Thyroid Gland

OBSERVATIONS

Adrenal Gland  
Note: [ PHEOCHROM BGN ] TGLs = 3-14

Bilateral, Medulla

Pheochromocytoma Benign

Heart  
Kidney  
Lung

Cardiomyopathy  
Nephropathy  
Hemorrhage  
Inflammation

Mild  
Marked  
Chronic, Moderate  
Granulomatous, Minimal

Note: [ HEMORRHAGE ] TGLs = 4-5,6

Parathyroid Gland  
Prostate  
Testes

Hyperplasia  
Inflammation  
Adenoma

Moderate  
Minimal

Bilateral, Interstit Cell

[ Adenoma TGLS = 1,2-9 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 339

TRT#: 1

SEX: Male

DAY ON TEST: 631

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Intestine Small	Ileum	Leukemia Mononuclear	
	Jejunum	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-4,15			
Lung		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 6-5,6			
Lymph Node	Bronchial	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-2			
Note: [ LEUKEMIA MONUC ] TGLs = 2-8			
Note: [ LEUKEMIA MONUC ] TGLs = 3-7			
Pancreas		Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 339

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 631

**DOSE:** CONTROL

**DISP:** Natural Death

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Leukemia Mononuclear TGLS = 1-3 ]

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 340

TRT#: 1

SEX: Male

DAY ON TEST: 551

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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
Larynx	Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mediastinal
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Thymus	Trachea
Urinary Bladder			

MISSING

Intestine Large - Colon

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Moderate
	Medulla	Hyperplasia	Mild
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Degeneration	Marked
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Moderate
	[ Hyperplasia TGLS = 2-4 ]		
Lung		Crystals	Focal, Minimal
Lymph Node	Mesenteric	Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
	Note: [ LEUKEMIA MONUC ] TGLs = 1-3		
Stomach	Forestomach	Ulcer	Minimal
	Glandular	Ulcer	Minimal
	Note: [ ULCER ] TGLs = 4-15		
Testes	Interstit Cell	Adenoma	
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 342

TRT#: 1

SEX: Male

DAY ON TEST: 635

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mediastinal
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Seminal Vesicle	Skin
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Medulla	Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Intest Large			
Note: TGL8-NO SIGN CHANGES IN CECUM,SEE SLIDE#16			
Kidney		Nephropathy	Moderate
Liver	Centrilobular	Degeneration	Marked
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: [ DEGEN ] TGLs = 4-4			
Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-15			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-14 ]			
Preputial Gland		Inflammation	Mild
Prostate		Inflammation	Moderate
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 1-3			
Stomach	Forestomach	Ulcer	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:03  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 342

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 635

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 343

TRT#: 1

SEX: Male

DAY ON TEST: 682

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Bronchial
Lymph Node - Mandibular	Lymph Node - Mediastinal	Parathyroid Gland	Pituitary Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Mammary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Brain		Necrosis	Focal, Moderate
Note: [ NECROSIS ] TGLs = 7-15			
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Inflammation	Moderate
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Mild
		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		Leukemia Mononuclear	
Lung			
Note: [ LEUKEMIA MONUC ] TGLs = 3-5,6			
Lymph Node	Mesenteric	Leukemia Mononuclear	
Nose	Lumen	Foreign Body	Minimal
	Mucosa	Inflammation	Suppurative, Moderate
Pancreas	Lobules	Atrophy	Minimal
Prostate		Inflammation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 343

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 682

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Spleen

Infarct

Moderate

[ Infarct TGLS = 2-3 ]

[ Leukemia Mononuclear TGLS = 1-3 ]

Leukemia Mononuclear

Stomach

Note: TGL6-NO SIGNIF.LESIONS, SEE SLIDE#16

Testes

Bilateral, Interstit Cell

Adenoma

Note: [ ADENOMA ] TGLs = 4-9

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 344

TRT#: 1

SEX: Male

DAY ON TEST: 800

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Bronchial

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Note: BASED ON VESSEL INVASION			
Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Carcinoma	
Note: BASED ON ANAPLASIA & CAPSULE INVASION			
Note: [ CARCINOMA ] TGLs = 4-16			
Kidney		Nephropathy	Marked
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Pancreatic	Hyperplasia	Lymphoid, Mild
Note: [ HYPERPLASIA ] TGLs = 3-16			
Pancreas	Lobules	Atrophy	Moderate
Testes	Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1,2-9,15			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 345

TRT#: 1

DOSE: CONTROL

SEX: Male

DISP: Natural Death

DAY ON TEST: 670

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Epididymis	Esophagus
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Lymph Node - Mandibular	Pancreas	Pituitary Gland
Prostate	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Thymus	Thyroid Gland
Urinary Bladder			

MISSING

Intestine Large - Rectum	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Marked
	Medulla	Pheochromocytoma Benign	
	Medulla	Pheochromocytoma Malignant	
Note: [ PHEOCHROM BGN ] TGLs = 4-14			
Blood Vessel	Aorta	Mineralization	Moderate
	Mesent Artery	Mineralization	Moderate
	Mesent Artery	Thrombosis	
Note: THROMBUS MISTAKEN FOR PANC.LN & GROSS NECROPSY			
Note: [ THROMBUS ] TGLs = 3-15			
Note: [ MINERALIZATION ] TGLs = 8-3,15			
Bone		Fibrous Osteodystrophy	
Heart	Myocardium	Mineralization	Marked
	Atrium	Thrombosis	
Note: [ THROMBUS ] TGLs = 10-3			
Note: [ MINERALIZATION ] TGLs = 9-3			
Note: MASS & GROSS NEC. IS IN ATRIUM, NOT VENTRILES			
Intestine Large	Cecum	Inflammation	Mild
Note: [ INFLAMMATION ] TGLs = 15-8			
Kidney		Cyst	
		Nephropathy	Marked
Note: [ CYST ] TGLs = 16-16			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 345

TRT#: 1

SEX: Male

DAY ON TEST: 670

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ NEPHROPATHY ] TGLs = 5,6-3			
Larynx		Inflammation	Suppurative, Moderate
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung	Alveolus	Hemorrhage	Focal, Mild
	Interstitium	Mineralization	Moderate
Note: [ MINERALIZATION ] TGLs = 14-5.6			
Lymph Node	Bronchial	Hemorrhage	Acute, Moderate
	Mediastinal	Hemorrhage	Acute, Moderate
	Mesenteric	Hemorrhage	Acute, Moderate
Note: [ HEMORRHAGE ] TGLs = 7-2			
Note: [ HEMORRHAGE ] TGLs = 2-8			
Note: [ HEMORRHAGE ] TGLs = 13-2			
Nose	Mucosa	Inflammation	Suppurative, Mild
Parathyroid Gland		Hyperplasia	Moderate
Note: [ HYPERPLASIA ] TGLs = 12-2			
Preputial Gland		Inflammation	Mild
Stomach	Glandular	Mineralization	Moderate
Testes		Atrophy	Moderate
Note: [ ATROPHY ] TGLs = 1-9			
Trachea		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 347

TRT#: 1

SEX: Male

DAY ON TEST: 766

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Note: [ PHEOCHROM BGN ] TGLs = 5-14			
Heart	Atrium	Cardiomyopathy	Moderate
Note: [ THROMBUS ] TGLs = 6-3		Thrombosis	
Intestine Large	Rectum	Inflammation	Minimal
Intestine Small	Duodenum	Necrosis	Focal, Mild
Kidney		Nephropathy	Moderate
Liver		Atrophy	Mild
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
Pancreas	Lobules	Atrophy	Minimal
Prostate		Inflammation	Mild
Seminal Vesicle		Inflammation	Minimal
Spleen		Congestion	Chronic, Marked
		Infarct	Moderate
Note: [ INFARCT ] TGLs = 4-3			
Note: [ CONGESTION ] TGLs = 3-2			
Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1,2-9 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 348

TRT#: 1

SEX: Male

DAY ON TEST: 682

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Small - Duodenum
Islets, Pancreatic	Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mediastinal
Lymph Node - Mesenteric	Mammary Gland	Pancreas	Parathyroid Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Testes
Thymus	Urinary Bladder		

AUTO PRECLUDES DIAG.

Intestine Small - Ileum	Intestine Small - Jejunum
-------------------------	---------------------------

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Inflammation	Minimal
	Rectum	Inflammation	Minimal
Kidney		Nephropathy	Mild
Larynx		Inflammation	Suppurative, Mild
Liver	Bile Duct	Hyperplasia	Mild
Lung		Congestion	Marked
Note: [ CONGESTION ] TGLs = 2-5,6			
Nose		Chondroma	
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[ Hyperplasia TGLS = 3-14 ]			
Prostate		Inflammation	Moderate
Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Minimal
Trachea		Inflammation	Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 361

TRT#: 1

SEX: Male

DAY ON TEST: 334

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO: 50791361

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Islets, Pancreatic  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Heart  
Larynx  
Preputial Gland  
Stomach - Glandular  
Urinary Bladder

Bone  
Intestine Large - Colon  
Lung  
Salivary Glands  
Testes

Epididymis  
Intestine Small - Duodenum  
Parathyroid Gland  
Seminal Vesicle  
Thyroid Gland

MISSING

Intestine Large - Rectum

Mammary Gland

Skin

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Bone Marrow  
Brain  
Note: [ LEUKEMIA MONUC ] TGLs = 8-1,16  
Intestine Large  
Kidney  
Liver  
Note: [ LEUKEMIA MONUC ] TGLs = 1-4  
Lymph Node  
  
Note: [ LEUKEMIA MONUC ] TGLs = 11-2  
Note: [ LEUKEMIA MONUC ] TGLs = 3-8  
Note: [ LEUKEMIA MONUC ] TGLs = 6-2  
Note: [ LEUKEMIA MONUC ] TGLs = 7-10  
Mesentery  
Note: [ LEUKEMIA MONUC ] TGLs = 4-15  
Note: MISTAKEN AS LYMPH NODE AT GROSS

Cecum  
Bronchial  
Mandibular  
Mediastinal  
Mesenteric  
Pancreatic

Leukemia Mononuclear  
Leukemia Mononuclear  
Parasite Metazoan  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear

Leukemia Mononuclear

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 361

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 334

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:** 50791361

**ORGAN AND ACCOUNTABLE SITE STATUS**

Nose	Mucosa	Leukemia Mononuclear	
Pancreas		Leukemia Mononuclear	
Note: SEE SLIDE 15			
Prostate		Inflammation	Marked
Skeletal Muscle	Hindlimb	Leukemia Mononuclear	
	Sternal	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 9-17			
Note: [ LEUKEMIA MONUC ] TGLs = 10-11,15			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2,12-3,18			
Note: PACKING W/ GCL CELLS.GIVES NODULAR APPEARANCE			
Thymus		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-2			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 362

TRT#: 1

SEX: Male

DAY ON TEST: 745

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Preputial Gland
Salivary Glands	Seminal Vesicle	Skin	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
	Cortex	Necrosis	Focal, Minimal
Bone Marrow		Leukemia Mononuclear	
Brain		Leukemia Mononuclear	
Note: [ LEUKEMIA MONO ] TGLs = 5,6-1,15			
Note: [ LEUKEMIA MONO ] TGLs = 7-1,15			
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Hyperplasia	Lymphoid, Moderate
	Rectum	Inflammation	Marked
Note: [ INFLAMMATION ] TGLs = 10-7,16			
Note: [ HYPERPLASIA ] TGLs = 11-17			
Kidney		Nephropathy	Moderate
Liver	Centrilobular	Atrophy	Minimal
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lymph Node	Bronchial	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-2			
Note: [ LEUKEMIA MONUC ] TGLs = 4-2			
Note: MANY MAST CELLS IN BRONCH. LN & MEDIAST.LN			
Nose	Mucosa	Inflammation	Suppurative, Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 362

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 745

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 9-14			
Prostate		Inflammation	Moderate
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-3			
Stomach	Forestomach	Ulcer	Moderate
Note: [ ULCER ] TGLs = 12-17			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-9			
Thymus		Cyst	
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 363

TRT#: 1

SEX: Male

DAY ON TEST: 650

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Cecum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Mammary Gland	Nose	Parathyroid Gland	Salivary Glands
Seminal Vesicle	Skin	Stomach - Glandular	Thyroid Gland
Trachea			

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Leukemia Mononuclear	
Intestine Large	Rectum	Inflammation	Marked
	Colon	Leukemia Mononuclear	
Kidney		Nephropathy	Moderate
Liver	Centrilobular	Degeneration	Marked
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Necrosis	Focal, Mild
Note: [ DEGEN ] TGLs = 4-4			
Lung		Leukemia Mononuclear	
Lymph Node	Bronchial	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 6-2			
Note: [ LEUKEMIA MONUC ] TGLs = 5-2			
Note: [ LEUKEMIA MONUC ] TGLs = 1-10			
Note: [ LEUKEMIA MONUC ] TGLs = 3-8			
Pancreas		Leukemia Mononuclear	
Pituitary Gland		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 363

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 650

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Preputial Gland		Inflammation	Minimal
Prostate		Inflammation	Mild
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-3			
Stomach	Forestomach	Leukemia Mononuclear	
Testes	Bilateral, Interstit Cell	Adenoma	
Thymus		Leukemia Mononuclear	
Urinary Bladder		Leukemia Mononuclear	
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 364

TRT#: 7

SEX: Male

DAY ON TEST: 738

DOSE: CONTROL LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Mammary Gland  
Pituitary Gland  
Seminal Vesicle  
Stomach - Glandular  
Urinary Bladder

Bone  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Bronchial  
Nose  
Preputial Gland  
Skin  
Thymus

Bone Marrow  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Pancreas  
Prostate  
Spleen  
Thyroid Gland

Brain  
Intestine Small - Duodenum  
Larynx  
Lymph Node - Mediastinal  
Parathyroid Gland  
Salivary Glands  
Stomach - Forestomach  
Trachea

MISSING

Epididymis Esophagus

OBSERVATIONS

Adrenal Gland  
Note: [ PHEOCHROM BGN ] TGLs = 1-14  
Heart  
Kidney  
Liver  
Lymph Node  
Testes  
Note: [ ADENOMA ] TGLs = 2-9

Bilateral, Medulla  
Bile Duct  
Mesenteric  
Bilateral, Interstit Cell

Pheochromocytoma Benign  
Cardiomyopathy  
Nephropathy  
Hyperplasia  
Depletion Lymphoid  
Adenoma  
Mild  
Mild  
Minimal  
Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 365

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 499

**DOSE:** CONTROL

**DISP:** Natural Death

**HISTO:**

---

**PRIMARY CAUSE OF DEATH** -

Animal Note: AUTOLYTIC, NO TISSUES TAKEN

Animal Note: 82

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 367

TRT#: 1

SEX: Male

DAY ON TEST: 740

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Mammary Gland	Nose
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Large - Rectum	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Marked
Bone Marrow		Leukemia Mononuclear	
Brain		Compression	
Heart		Cardiomyopathy	Moderate
		Leukemia Mononuclear	
Intestine Small	Ileum	Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 9-4,15			
Lung		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-5,6			
Lymph Node	Bronchial	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Thoracic	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 367

TRT#: 1

SEX: Male

DAY ON TEST: 740

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ LEUKEMIA MONUC ] TGLs = 8-2

Note: [ LEUKEMIA MONUC ] TGLs = 6-17

Note: [ LEUKEMIA MONUC ] TGLs = 3-16

Note: [ LEUKEMIA MONUC ] TGLs = 11-18

Note: [ LEUKEMIA MONUC ] TGLs = 4-8

Pancreas

Leukemia Mononuclear

Note: SEE SLIDE 16

Pituitary Gland

Pars Distalis

Adenoma

Note: [ ADENOMA ] TGLs = 7-14

Note: MANY MAST CELLS IN PIT. ADENOMA

Spleen

Leukemia Mononuclear

[ Leukemia Mononuclear TGLS = 1-3 ]

Testes

Atrophy

Marked

Interstitial Cell

Hyperplasia

Minimal

Note: [ ATROPHY ] TGLs = 2-9

Thymus

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 10-2

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 368

TRT#: 1

SEX: Male

DAY ON TEST: 429

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Larynx	Lung
Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mediastinal	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Thyroid Gland	Tissue NOS
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Liver		Basophilic Focus	Minimal
Mammary Gl			
Note: TUMOR @ GROSS IS PREPUTIAL GLAND ADENOMA			
Preputial Gland		Adenoma	
Note: MISTAKEN AS MAMMARY GLAND & GROSS			
Note: LARGE BUT NO INVASION & WELL DIFERENTIATED			
[ Adenoma TGLS = 1-15 ]			
Tissue NOS			
Note: NORMAL SEMINAL VESICLE-SLIDE#16			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 369

TRT#: 1

DOSE: CONTROL

SEX: Male

DISP: Terminal Sacrifice

DAY ON TEST: 799

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lung	Lymph Node - Bronchial	Lymph Node - Mandibular
Lymph Node - Mediastinal	Lymph Node - Mesenteric	Mammary Gland	Nose
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 3-3			
Liver		Basophilic Focus	Minimal
		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Pancreas	Lobules	Atrophy	Mild
Parathyroid Gland		Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 5-14			
Testes	Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1,2-9			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 370

TRT#: 7

SEX: Male

DAY ON TEST: 556

DOSE: CONTROL LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lung  
Lymph Node - Mesenteric  
Parathyroid Gland  
Salivary Glands  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Epididymis  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Bronchial  
Mammary Gland  
Pituitary Gland  
Seminal Vesicle  
Stomach - Glandular  
Urinary Bladder

Bone  
Esophagus  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mandibular  
Nose  
Preputial Gland  
Skin  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Larynx  
Lymph Node - Mediastinal  
Pancreas  
Prostate  
Spleen  
Thyroid Gland

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	

Note: [ ADENOMA ] TGLs = 1,4-9

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 371

TRT#: 1

SEX: Male

DAY ON TEST: 799

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Bronchial

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	
Islets, Pancreatic		Adenoma	
Note: [ ADENOMA ] TGLs = 4-7			
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 1-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 2,3-9			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 385

TRT#: 1

SEX: Male

DAY ON TEST: 700

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone

Bone Marrow

Epididymis

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Larynx

Lung

Lymph Node - Bronchial

Lymph Node - Mandibular

Lymph Node - Mediastinal

Lymph Node - Mesenteric

Mammary Gland

Nose

Pancreas

Preputial Gland

Salivary Glands

Seminal Vesicle

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Testes

Thymus

Thyroid Gland

Trachea

Urinary Bladder

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland

Medulla

Hyperplasia

Minimal

Brain

Compression

Heart

Cardiomyopathy

Mild

Kidney

Nephropathy

Moderate

Liver

Fatty Change

Mild

Bile Duct

Hyperplasia

Minimal

Pituitary Gland

Pars Distalis

Adenoma

[ Adenoma TGLS = 2-14 ]

Prostate

Inflammation

Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Talc

Time Report Requested: 19:07:03

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 14807-96-6

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: LITRI

ANIMAL ID: 386

TRT#: 1

SEX: Male

DAY ON TEST: 799

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic	Larynx
Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mediastinal	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Pituitary Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Skin
Spleen	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Jejunum
-------------------------	---------------------------

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Malignant	
Note: MALIGNANCY BASED ON CAPSULE & VESSEL INVASION			
Blood Vessel	Aorta	Mineralization	Mild
	Mesent Artery	Mineralization	Mild
Heart		Cardiomyopathy	Moderate
	Atrium	Thrombosis	
Note: [ THROMBUS ] TGLs = 9-3			
Intest Small			
Note: INTUSSCEPTION SEEN GROSSLY IS AGONAL			
Note: ILEUM-SEE SLIDE 15			
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 6-3			
Liver		Basophilic Focus	Moderate
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
		Necrosis	Focal, Mild
Note: [ FATTY CHANGE ] TGLs = 5-4			
Lung	Interstitium	Fibrosis	Focal, Minimal
Note: [ FIBROSIS ] TGLs = 11-5,6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 386

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 799

**DOSE:** CONTROL

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

Parathyroid Gland

Hyperplasia

Moderate

Prostate

Inflammation

Mild

Stomach

Glandular

Mineralization

Moderate

Testes

Interstit Cell

Adenoma

Atrophy

Marked

[ Adenoma TGLS = 1-9 ]

[ Atrophy TGLS = 2-9 ]

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 387

TRT#: 1

SEX: Male

DAY ON TEST: 622

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Bronchial
Lymph Node - Mediastinal	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Brain		Leukemia Mononuclear	
Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
Intestine Large	Cecum	Inflammation	Mild
Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Moderate
Note: [ NECROSIS ] TGLs = 4-4			
Note: [ LEUKEMIA MONUC ] TGLs = 3-4			
Lung		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 7-5,6			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 1-8			
Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
Prostate		Inflammation	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

---

**ANIMAL ID:** 387

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 622

**DOSE:** CONTROL

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 2-3

Testes

Interstit Cell

Adenoma

Leukemia Mononuclear

Note: [ ADENOMA ] TGLs = 8-9

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 388

TRT#: 1

SEX: Male

DAY ON TEST: 785

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Intestine Large - Rectum	Lymph Node - Mediastinal	Parathyroid Gland	Thymus
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INSUFFICIENT TISSUE

Lymph Node - Bronchial

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Moderate
Brain		Compression	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 3-3			
Liver		Fatty Change	Moderate
	Centrilobular	Necrosis	Moderate
	Pars Distalis	Adenoma	
Pituitary Gland			
Note: [ ADENOMA ] TGLs = 5-14			
Stomach	Forestomach	Ulcer	Marked
[ Ulcer TGLS = 2-7,15 ]			
Testes		Atrophy	Marked
Note: [ ATROPHY ] TGLs = 1-9			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 389

TRT#: 1

SEX: Male

DAY ON TEST: 784

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Epididymis	Esophagus	Intestine Small - Duodenum	Islets, Pancreatic
Larynx	Lung	Lymph Node - Mandibular	Lymph Node - Mediastinal
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Preputial Gland	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Bronchial

AUTO PRECLUDES DIAG.

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

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Note: [ PHEOCHROM BGN ] TGLs = 1-14			
Eye	Retina	Cataract Degeneration	Marked Marked
Note: [ CATARACT ] TGLs = 10-15			
Heart	Atrium	Cardiomyopathy Thrombosis	Moderate
Note: [ THROMBUS ] TGLs = 8-3			
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 2-3			
Liver	Centrilobular	Inflammation Necrosis	Granulomatous, Focal, Mild Marked
Note: [ NECROSIS ] TGLs = 11-16,17			
Note: NECROSIS MASSIVE IN SOME FOCI=PALE FOCI ON TGL11			
Prostate		Inflammation	Minimal
Stomach	Glandular	Mineralization	Minimal
Testes	Bilateral, Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:03  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 389

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 784

**DOSE:** CONTROL

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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[ Adenoma TGLS = 3-9 ]

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 390

TRT#: 1

SEX: Male

DAY ON TEST: 704

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Adrenal Gland	Medulla Bilateral, Medulla	Leukemia Mononuclear Pheochromocytoma Benign	
Heart	Atrium	Cardiomyopathy Thrombosis	Mild
Note: [ THROMBUS ] TGLs = 5-3 Note: [ CARDIOMYOPATHY ] TGLs = 4-3			
Kidney		Nephropathy	Mild
Liver	Centrilobular Bile Duct	Degeneration Hyperplasia	Moderate Marked
Note: [ HYPERPLASIA ] TGLs = 3-4			
Lung		Leukemia Mononuclear Schwannoma Malignant	Metastatic (Uncertain Primary Site)
Note: [ SCHWANNOMA MAL ] TGLs = 9-5,6			
Lymph Node	Mediastinal	Leukemia Mononuclear	
Note: MANDIBULAR LN OBLITERATED BY TUMOR Note: [ LEUKEMIA MONUC ] TGLs = 8-2			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 10-14 ]			
Skin	Subcut Tiss	Schwannoma Malignant	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

---

**ANIMAL ID:** 390

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 704

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 1-3

Testes

Atrophy

Moderate

Note: [ ATROPHY ] TGLs = 2-9

Thymus

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 7-2

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 391

TRT#: 1

SEX: Male

DAY ON TEST: 764

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Epididymis	Esophagus
Islets, Pancreatic	Lymph Node - Bronchial	Lymph Node - Mediastinal	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Pituitary Gland
Preputial Gland	Prostate	Salivary Glands	Seminal Vesicle
Skin	Spleen	Thymus	Urinary Bladder

MISSING

Lymph Node - Mandibular

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Thyroid Gland		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Bilateral, Medulla	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
	Mesent Artery	Mineralization	Moderate
Note: [ MINERALIZATION ] TGLs = 12-15			
Bone		Fibrous Osteodystrophy	
Note: [ FIB OSTEODYST ] TGLs = 13-11,16			
Heart		Cardiomyopathy	Moderate
	Myocardium	Mineralization	Marked
Note: [ MINERALIZATION ] TGLs = 9-3			
Intestine Small	Duodenum	Mineralization	Mild
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 6,7-3			
Larynx		Inflammation	Suppurative, Minimal
Liver		Degeneration	Cystic, Minimal
	Bile Duct	Hyperplasia	Moderate
Lung	Interstitialium	Mineralization	Marked
Note: [ MINERALIZATION ] TGLs = 11-5,6			
Parathyroid Gland		Hyperplasia	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 391

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 764

**DOSE:** CONTROL

**DISP:** Natural Death

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 10-2			
Stomach	Forestomach Glandular	Mineralization Mineralization	Marked Marked
Note: [ MINERALIZATION ] TGLs = 3,4-7			
Testes	Bilateral, Interstit Cell	Adenoma Atrophy	Moderate
[ Adenoma TGLS = 2-9 ]			
[ Atrophy TGLS = 1-9 ]			
Trachea		Inflammation	Suppurative, Minimal
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 393

TRT#: 7

SEX: Male

DAY ON TEST: 556

DOSE: CONTROL LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Lymph Node - Bronchial	Lymph Node - Mediastinal	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Preputial Gland	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Mild
Note: [ HYPERPLASIA ] TGLs = 1,2-2			
Pituitary Gland	Pars Distalis	Adenoma	
Prostate		Inflammation	Minimal
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 394

TRT#: 7

SEX: Male

DAY ON TEST: 194

DOSE: CONTROL LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

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

**PRESENT BUT NOT EXAMINED**

Eye	Tongue	Zymbal's Gland
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**OBSERVATIONS**

Liver	Necrosis	Coagulative, Multifocal, Mild
	Thrombosis	
Urinary Bladder	Calculus Gross Observation	Single
Note: [ CALCUS GRO OBS ] TGLs = 1-8		

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 396

TRT#: 1

DOSE: CONTROL

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 790

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lung
Lymph Node - Mediastinal	Lymph Node - Mesenteric	Mammary Gland	Nose
Prostate	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea

MISSING

Lymph Node - Bronchial	Lymph Node - Mandibular	Preputial Gland
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OBSERVATIONS

Adrenal Gland	Cortex Bilateral, Medulla	Degeneration Pheochromocytoma Benign	Fatty, Mild
Bone		Fibrous Osteodystrophy	
Brain		Astrocytoma Malignant	
Heart	Atrium	Cardiomyopathy Thrombosis	Moderate
Kidney	Renal Tubule	Carcinoma Cyst Nephropathy	Marked
Liver	Bile Duct	Basophilic Focus Degeneration Fatty Change Hyperplasia Leukemia Mononuclear	Mild Cystic, Mild Mild Mild

Note: [ PHEOCHROM BGN ] TGLs = 4-14

Note: [ ASTROCYTO MAL ] TGLs = 9-15,1

Note: MALIGNANCY BASED ON INVASIVENESS & SIZE

Note: [ THROMBUS ] TGLs = 7-3

Note: MALIGNANCY BASED ON ANAPLASIA & DESTRUCT. OF BASM. MEMBRANE

[ Cyst TGLS = 5-15 ]

[ Nephropathy TGLS = 6-3 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 396

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 790

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Pancreas	Lobules	Atrophy	Minimal
Parathyroid Gland	Bilateral	Hyperplasia	Mild
Note: [ HYPERPLASIA ] TGLs = 8-2			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-3 ]			
Stomach	Glandular	Mineralization	Mild
Testes	Interstit Cell	Adenoma	
		Atrophy	Moderate
[ Adenoma TGLS = 1-9 ]			
[ Atrophy TGLS = 2-9 ]			
Urinary Bladder		Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 410

TRT#: 1

DOSE: CONTROL

SEX: Male

DISP: Natural Death

DAY ON TEST: 761

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mediastinal	Lymph Node - Mesenteric
Nose	Pancreas	Parathyroid Gland	Pituitary Gland
Preputial Gland	Salivary Glands	Seminal Vesicle	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

MISSING

Intestine Large - Cecum	Mammary Gland
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
	Medulla	Hyperplasia	Marked
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Clear Cell Focus	Minimal
	Centrilobular	Degeneration	Marked
		Eosinophilic Focus	Minimal
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Moderate
Note: [ DEGEN ] TGLs = 4-4			
Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
Prostate		Inflammation	Minimal
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-3			
Testes	Bilateral, Interstit Cell	Adenoma	
		Atrophy	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

---

**ANIMAL ID:** 410

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 761

**DOSE:** CONTROL

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ ADENOMA ] TGLs = 2-9

[ Adenoma TGLS = 1-9 ]

Urinary Bladder

Papilloma

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 411

TRT#: 1

DOSE: CONTROL

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 759

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Epididymis
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lung	Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex Bilateral, Medulla	Degeneration Pheochromocytoma Benign	Focal, Moderate
Heart	Atrium	Cardiomyopathy Thrombosis	Mild
[ Thrombosis TGLS = 5-3 ]			
Intestine Large	Cecum	Inflammation	Mild
Kidney		Nephropathy	Mild
Liver		Degeneration Fatty Change	Cystic, Moderate Mild
	Bile Duct Centrilobular	Hyperplasia Necrosis	Marked Marked
Note: [ NECROSIS ] TGLs = 3-4			
Lymph Node	Mediastinal	Hemorrhage	Chronic, Moderate
Note: [ HEMORRHAGE ] TGLs = 4-2			
Testes	Bilateral, Interstit Cell	Adenoma	
[ Adenoma TGLS = 1,2-9 ]			
Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 412

TRT#: 7

SEX: Male

DAY ON TEST: 556

DOSE: CONTROL LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Rectum  
Larynx  
Lymph Node - Mediastinal  
Preputial Gland  
Skin  
Thymus

Adrenal Gland - Medulla  
Epididymis  
Intestine Small - Duodenum  
Lung  
Mammary Gland  
Prostate  
Spleen  
Trachea

Bone  
Esophagus  
Intestine Small - Ileum  
Lymph Node - Bronchial  
Pancreas  
Salivary Glands  
Stomach  
Urinary Bladder

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Pituitary Gland  
Seminal Vesicle  
Testes

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Islets, Pancreatic

OBSERVATIONS

Heart  
Intestine Large  
Kidney  
    Note: [ NEPHROPATHY ] TGLs = 1-3,15  
Liver  
Lymph Node  
Nose  
Thyroid Gland  
    Note: [ ADENOCARC ] TGLs = 3-2

Cecum  
Bile Duct  
Mesenteric  
Follicle

Cardiomyopathy  
Parasite Metazoan  
Nephropathy  
Fatty Change  
Hyperplasia  
Hyperplasia  
Inflammation  
Adenocarcinoma

Mild  
Mild  
Moderate  
Minimal  
Minimal  
Lymphoid, Moderate  
Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 413

TRT#: 1

SEX: Male

DAY ON TEST: 568

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Preputial Gland	Salivary Glands
Seminal Vesicle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Lymph Node - Bronchial

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla Cortex	Hyperplasia Hyperplasia Compression	Marked Focal, Moderate
Brain		Cardiomyopathy	Moderate
Heart		Nephropathy	Moderate
Kidney		Atrophy	Minimal
Liver	Centrilobular	Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
Lung	Alveolar Epith	Hemorrhage Hyperplasia	Chronic, Mild Mild
Note: [ HYPERPLASIA ] TGLs = 4-15			
Lymph Node	Mediastinal	Hemorrhage	Chronic, Moderate
Note: [ HEMORRHAGE ] TGLs = 2-2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 3-14			
Prostate		Inflammation	Mild
Testes		Atrophy Mesothelioma Benign	Moderate
[ Atrophy TGLS = 1-9 ]			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:03  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 413

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 568

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 414

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Epididymis
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Islets, Pancreatic	Larynx	Mammary Gland
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

AUTO PRECLUDES DIAG.

Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Marked
Brain		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 12,13,14-1,15			
Heart		Cardiomyopathy	Mild
		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Note: [ NEPHROPATHY ] TGLs = 7-3			
Liver		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
		Necrosis	Focal, Minimal
		Thrombosis	
Note: THROMBUS IS OF LEUKEMIC CELLS			
Note: [ LEUKEMIA MONUC ] TGLs = 6-4			
Note: [ THROMBUS ] TGLs = 16-18			
[ Hyperplasia TGLS = 15-17 ]			
Lung		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 11-5,6,16			
Lymph Node	Bronchial	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 414

TRT#: 1

SEX: Male

DAY ON TEST: 739

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Mediastinal

Leukemia Mononuclear

Mesenteric

Leukemia Mononuclear

Pancreatic

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 10-2

Note: [ LEUKEMIA MONUC ] TGLs = 9-2

Note: [ LEUKEMIA MONUC ] TGLs = 1-10

Note: [ LEUKEMIA MONUC ] TGLs = 5-16

Note: [ LEUKEMIA MONUC ] TGLs = 4-8

Nose

Inflammation

Suppurative, Minimal

Pituitary Gland

Leukemia Mononuclear

Preputial Gland

Leukemia Mononuclear

Prostate

Leukemia Mononuclear

Seminal Vesicle

Leukemia Mononuclear

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 3-3

Testes

Bilateral, Interstit Cell

Adenoma

[ Adenoma TGLS = 2-9 ]

Thymus

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 8-2

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 415

TRT#: 1

DOSE: CONTROL

SEX: Male

DISP: Natural Death

DAY ON TEST: 786

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Epididymis	Esophagus
Intestine Small - Duodenum	Islets, Pancreatic	Larynx	Lung
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Pancreas
Parathyroid Gland	Preputial Gland	Salivary Glands	Seminal Vesicle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Thyroid Gland		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
	Medulla	Hyperplasia	Marked
Brain		Compression	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 5-3			
Liver	Bile Duct	Hyperplasia	Minimal
Lymph Node	Bronchial	Hemorrhage	Chronic, Mild
	Mediastinal	Hemorrhage	Chronic, Mild
Note: [ HEMORRHAGE ] TGLs = 7-2			
Note: [ HEMORRHAGE ] TGLs = 6-2			
Mammary Gland		Adenocarcinoma	
Note: MALIGNANCY BASED ON SIZE & GROWTH PATTERN			
Note: [ ADENOCARC ] TGLs = 1-15			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 8-14			
Prostate		Inflammation	Mild
Stomach			
Note: TGL9=FOCUS OF AUTOLYSIS,SEE SLIDE#16			
Testes	Interstit Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:03  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 415

**TRT#:** 1  
**DOSE:** CONTROL

**SEX:** Male  
**DISP:** Natural Death

**DAY ON TEST:** 786  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Atrophy

Moderate

Note: [ ADENOMA ] TGLs = 3-9  
[ Adenoma TGLS = 2-9 ]

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**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 416

TRT#: 7

SEX: Male

DAY ON TEST: 738

DOSE: CONTROL LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Larynx	Lung
Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mediastinal	Mammary Gland
Nose	Pancreas	Preputial Gland	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Epididymis	Islets, Pancreatic	Parathyroid Gland	Prostate
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OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Hyperplasia	Mild
Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Inflammation	Chronic, Moderate
		Nephropathy	Moderate
Note: [ INFLAMMATION ] TGLs = 7-3			
Liver		Hyperplasia	Focal, Moderate
Note: [ HYPERPLASIA ] TGLs = 6-4			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Note: [ HYPERPLASIA ] TGLs = 3,5-2,10			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: [ HYPERPLASIA ] TGLs = 8-14			
Spleen		Congestion	Acute, Moderate
Note: [ CONGESTION ] TGLs = 2-3			
Testes	Bilateral, Interstit Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 1-9			
Thyroid Gland	C Cell	Adenoma	
Note: [ ADENOMA ] TGLs = 4-2			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 418

TRT#: 1

DOSE: CONTROL

SEX: Male

DISP: Natural Death

DAY ON TEST: 664

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Epididymis	Esophagus
Intestine Small - Duodenum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Preputial Gland	Prostate	Salivary Glands
Seminal Vesicle	Skin	Stomach - Forestomach	Stomach - Glandular
Testes	Thymus	Trachea	Urinary Bladder

AUTO PRECLUDES DIAG.

Bone Marrow	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Intestine Small - Jejunum	Thyroid Gland	

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
	Medulla	Hyperplasia	Mild
Eye	Lens	Cataract	Marked
	Retina	Degeneration	Marked
[ Degeneration TGLS = 6-16 ]			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Atrophy	Moderate
	Bile Duct	Basophilic Focus	Mild
		Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Mild
Note: [ ATROPHY ] TGLs = 2-4			
Lung	Artery	Thrombosis	
Lymph Node	Bronchial	Hemorrhage	Chronic, Mild
	Mediastinal	Hemorrhage	Chronic, Moderate
Note: [ HEMORRHAGE ] TGLs = 3-2			
Spleen		Fibrosarcoma	
Note: MALIGNANCY BASED ON ANAPLASIA & LARGE SIZE			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:03  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 418

**TRT#:** 1

**SEX:** Male

**DAY ON TEST:** 664

**DOSE:** CONTROL

**DISP:** Natural Death

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ FIBROSARC ] TGLs = 1-15

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 419

TRT#: 1

SEX: Male

DAY ON TEST: 800

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Epididymis  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Preputial Gland  
Spleen  
Trachea

Bone  
Esophagus  
Intestine Small - Duodenum  
Larynx  
Mammary Gland  
Prostate  
Stomach - Forestomach

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Nose  
Salivary Glands  
Stomach - Glandular

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mediastinal  
Parathyroid Gland  
Skin  
Thyroid Gland

MISSING

Lymph Node - Bronchial

OBSERVATIONS

Adrenal Gland  
Heart  
Kidney  
Liver  
  
Lung  
Pancreas  
Pituitary Gland  
    Note: [ ADENOMA ] TGLs = 2-14  
Seminal Vesicle  
Testes  
Thymus  
Urinary Bladder

Medulla  
  
Bile Duct  
  
Lobules  
Pars Distalis  
  
Bilateral, Interstit Cell

Pheochromocytoma Benign  
Cardiomyopathy  
Nephropathy  
Basophilic Focus  
Hyperplasia  
Lymphoma Malignant Lymphocytic  
Atrophy  
Adenoma  
  
Lymphoma Malignant Lymphocytic  
Adenoma  
Lymphoma Malignant Lymphocytic  
Lymphoma Malignant Lymphocytic

Mild  
Mild  
Minimal  
Minimal  
  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 420

TRT#: 1

DOSE: CONTROL

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST: 628

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Brain	Epididymis	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Parathyroid Gland	Preputial Gland	Prostate
Salivary Glands	Seminal Vesicle	Skin	Stomach - Forestomach
Stomach - Glandular	Testes	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Large - Rectum	Islets, Pancreatic	Pancreas	
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
	Medulla	Hyperplasia	Marked
Bone	Scapula	Osteosarcoma	
	[ Osteosarcoma TGLS = 9-15,18 ]		
Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Centrilobular	Atrophy	Mild
		Basophilic Focus	Minimal
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Osteosarcoma	Metastatic (Bone), Multiple (Bone)
Note: [ OSTEOSARC ]	TGLs = 3,4,5-4,15		
Lung		Osteosarcoma	Metastatic (Bone), Multiple (Bone)
Note: [ OSTEOSARC ]	TGLs = 11,12-5,6,17		
Lymph Node	Bronchial	Hemorrhage	Chronic, Mild
	Mediastinal	Hemorrhage	Chronic, Mild
Note: [ HEMORRHAGE ]	TGLs = 8-2		
Note: [ HEMORRHAGE ]	TGLs = 6-2		
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:03  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 420

**TRT#:** 1  
**DOSE:** CONTROL

**SEX:** Male  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 628  
**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ ADENOMA ] TGLs = 10-14  
Spleen

[ Hematopoietic Cell Proliferation TGLS = 1-3,17 ]  
[ Osteosarcoma TGLS = 2-17 ]

Hematopoietic Cell Proliferation  
Osteosarcoma

Moderate  
Metastatic (Bone)

---

**PRIMARY CAUSE OF DEATH** -

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 14

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 812

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Clitoral GI			
Note: ENLARGEMENT IS MERE DILATION			
Heart	Atrium	Thrombosis	
Note: [ THROMBUS ] TGLs = 4-3			
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
	Centrilobular	Necrosis	Moderate
	Serosa	Thrombosis	
Note: [ NECROSIS ] TGLs = 9-16			
Note: [ THROMBUS ] TGLs = 8-15			
Lung	Interstitium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Moderate
[ Hyperplasia TGLS = 6-2 ]			
[ Hyperplasia TGLS = 3-2 ]			
Pancreas	Lobules	Atrophy	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 14

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 812

**DOSE:** 6 MG/M3

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Pituitary Gland

Pars Distalis

Adenoma

Note: [ ADENOMA ] TGLs = 7-14

Thyroid Gland

C Cell

Hyperplasia

Mild

Uterus

Lamina Propria

Fibrosis

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 15

TRT#: 11

SEX: Female

DAY ON TEST: 739

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Lymph Node - Mediastinal	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Thymus

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Minimal
Lung	Interstitialium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 3-6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mesenteric	Hyperplasia	Lymphoid, Mild
Note: [ HYPERPLASIA ] TGLs = 2-2			
Mammary Gland		Fibroadenoma	
Note: [ FIBROADENOMA ] TGLs = 1-15			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 4-14			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 16

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 862

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
	Medulla	Pheochromocytoma Benign	
Note: [ PHEOCHROM BGN ] TGLs = 2-14			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Necrotizing, Focal, Moderate
Note: [ INFLAMMATION ] TGLs = 1-4			
Lung	Alveolar Epith	Hyperplasia	Mild
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 3-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Minimal
	Mediastinal	Hyperplasia	Histiocytic, Mild
Pancreas	Lobules	Atrophy	Marked
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Lamina Propria	Fibrosis	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE





**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 17

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 766

**DOSE:** 6 MG/M3

**DISP:** Natural Death

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Lymph Node

Bronchial  
Mediastinal

Leukemia Mononuclear  
Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 3-2

Note: [ LEUKEMIA MONUC ] TGLs = 5-2

Mammary Gland

Fibroadenoma

Note: [ FIBROADENOMA ] TGLs = 1-9,15

Spleen

Leukemia Mononuclear

Uterus

Lamina Propria

Fibrosis

Minimal

Polyp Stromal

Note: [ POLYP STROMAL ] TGLs = 9-17

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 18

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 862

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
	Medulla	Hyperplasia	Minimal
Brain		Compression	Moderate
Note: [ COMPRESSION ] TGLs = 8-1			
Note: COMPRESSION AND INVASION BY PITUITARY TUMOR			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Liver		Inflammation	Granulomatous, Focal, Mild
Lung		Cyst	
	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 7-5.6			
Note: SQUAMOUS			
Note: [ CYST ] TGLs = 6-15			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Minimal
	Mediastinal	Hyperplasia	Histiocytic, Mild
[ Hyperplasia TGLS = 5-2 ]			
Mammary Gland		Fibroma	
		Hyperplasia	Cystic, Marked
Note: [ FIBROMA ] TGLs = 1-17,18			
Note: [ HYPERPLASIA ] TGLs = 2-16			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 18

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 862

**DOSE:** 6 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Pituitary Gland

Pars Distalis

Carcinoma

Note: [ CARCINOMA ] TGLs = 9-14

Uterus

Lamina Propria

Fibrosis

Mild

Polyp Stromal

Note: [ POLYP STROMAL ] TGLs = 4-15

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 19

TRT#: 11

SEX: Female

DAY ON TEST: 739

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Pituitary Gland  
Stomach - Forestomach  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Larynx  
Nose  
Salivary Glands  
Stomach - Glandular  
Uterus

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Skin  
Thymus

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Spleen  
Trachea

OBSERVATIONS

Clitoral Gland  
Heart  
Kidney  
Liver  
Lung

Bile Duct  
Interstitialium  
Alveolar Epith

Fibrosis  
Cardiomyopathy  
Nephropathy  
Hyperplasia  
Fibrosis  
Hyperplasia  
Inflammation

Moderate  
Mild  
Mild  
Minimal  
Focal, Minimal  
Minimal  
Granulomatous, Minimal

Note: [ INFLAMMATION ] TGLs = 2-6

Lymph Node  
  
Parathyroid Gland  
Thyroid Gland

Bronchial  
Mediastinal  
  
C Cell

Hyperplasia  
Hyperplasia  
Cyst  
Hyperplasia

Histiocytic, Mild  
Histiocytic, Minimal  
  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 20

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 862

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Esophagus

Intestine Small - Duodenum

Lymph Node - Mandibular

Parathyroid Gland

Stomach - Glandular

Urinary Bladder

Bone

Intestine Large - Cecum

Intestine Small - Jejunum

Lymph Node - Mesenteric

Salivary Glands

Thymus

Bone Marrow

Intestine Large - Colon

Islets, Pancreatic

Ovary

Skin

Thyroid Gland

Clitoral Gland

Intestine Large - Rectum

Larynx

Pancreas

Stomach - Forestomach

Trachea

OBSERVATIONS

Adrenal Gland

Brain

Heart

Intestine Small

Kidney

Liver

Medulla

Ileum

Centrilobular

Bile Duct

Leukemia Mononuclear

Compression

Cardiomyopathy

Leukemia Mononuclear

Nephropathy

Atrophy

Eosinophilic Focus

Hyperplasia

Leukemia Mononuclear

Mild

Moderate

Mild

Mild

Minimal

Note: [ LEUKEMIA MONUC ] TGLs = 5-4

Note: [ EOSIN FOCUS ] TGLs = 9-17

Lung

Interstitium

Alveolar Epith

Peribronchial

Fibrosis

Hyperplasia

Hyperplasia

Inflammation

Leukemia Mononuclear

Focal, Minimal

Mild

Histiocytic, Minimal

Granulomatous, Mild

Note: [ INFLAMMATION ] TGLs = 7-5,6

Lymph Node

Bronchial

Mediastinal

Hyperplasia

Hyperplasia

Histiocytic, Mild

Histiocytic, Moderate

Note: [ HYPERPLASIA ] TGLs = 6-2

Mammary Gland

Fibroadenoma

Note: [ FIBROADENOMA ] TGLs = 3-16

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 20

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 862

**DOSE:** 6 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ FIBROADENOMA ] TGLs = 1,2-15,17

Nose	Respirat Epith	Hyperplasia	Minimal
	Mucosa	Inflammation	Suppurative, Moderate
	Olfactory Epi	Metaplasia	Marked

Note: GOBLET CELL METAPLASIA, UNILATERAL

Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	

Note: [ ADENOMA ] TGLs = 8-14

Spleen		Leukemia Mononuclear	
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Note: [ LEUKEMIA MONUC ] TGLs = 4-3

Uterus	Lamina Propria	Fibrosis	Minimal
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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 21

TRT#: 5

SEX: Female

DAY ON TEST: 862

DOSE: 6 MG/M3

DISP: Terminal Sacrifice

HISTO: 82

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Stomach - Forestomach

OBSERVATIONS

Harderian Gland		Inflammation	Minimal
Note: MISTAKEN AS LACRIMAL GLAND AT GROSS			
Note: [ INFLAMMATION ] TGLs = 5-16			
Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Parasite Metazoan	
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Moderate
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-4			
Lung	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Hyperplasia	Histiocytic, Mild
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Mammary Gland		Fibroadenoma	
Note: [ FIBROADENOMA ] TGLs = 1-15			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 21

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 862

**DOSE:** 6 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:** 82

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ LEUKEMIA MONUC ] TGLs = 2-3

Thyroid Gland

C Cell

Hyperplasia

Minimal

Uterus

Lamina Propria

Fibrosis

Minimal

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PRIMARY CAUSE OF DEATH

-

---

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 22

TRT#: 11

SEX: Female

DAY ON TEST: 333

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO: 50791022

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Pancreas  
Skin  
Thymus  
Uterus

Bone  
Esophagus  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Ileum  
Larynx  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Liver  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

OBSERVATIONS

Adrenal Gland  
Intestine Large  
Lung

Cortex  
Cecum  
Alveolar Epith

Congestion  
Parasite Metazoan  
Hyperplasia  
Inflammation

Mild  
Mild  
Minimal  
Granulomatous, Minimal

Note: [ INFLAMMATION ] TGLs = 3-5.3-6

Lymph Node

Mediastinal  
Mesenteric  
Bronchial

Congestion  
Edema  
Hyperplasia

Mild  
Moderate  
Histiocytic, Mild

Note: [ CONGESTION ] TGLs = 1-2

Note: [ HYPERPLASIA ] TGLs = 2-2

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 23

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 762

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Clitoral Gland
Esophagus	Harderian Gland	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mediastinal

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
	Medulla	Pheochromocytoma Benign	
Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Harderian GI			
Note: MISTAKENLY NOTED AS LACRIMAL AT GROSS			
Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Ulcer	Moderate
Kidney	Capsule	Inflammation	Moderate
		Nephropathy	Mild
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 1-5,6			
Lymph Node	Bronchial	Hemorrhage	Chronic, Mild
	Bronchial	Hyperplasia	Histiocytic, Mild
	Mesenteric	Inflammation	Chronic Active, Moderate
Note: [ HYPERPLASIA ] TGLs = 2-2			
Note: [ HEMORRHAGE ] TGLs = 3-2			
Mesentery		Inflammation	Chronic Active, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 23

**TRT#:** 5

**DOSE:** 6 MG/M3

**SEX:** Female

**DISP:** Natural Death

**DAY ON TEST:** 762

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pancreas	Lobules	Atrophy	Marked
Spleen		Hematopoietic Cell Proliferation	Marked
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus		Inflammation	Marked

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 24

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 798

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Small - Duodenum	Larynx
Nose	Ovary	Pituitary Gland	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Large - Rectum	Islets, Pancreatic	Pancreas	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Heart		Cardiomyopathy	Mild
Kidney		Lymphoma Malignant Lymphocytic	Metastatic (Uncertain Primary Site)
Note: AUTOLYSIS OBSCURES GRADING			
Liver	Bile Duct	Hyperplasia	Mild
		Lymphoma Malignant Lymphocytic	
Note: [ LYMPH MAL LYMP ] TGLs = 10-4			
Lung		Lymphoma Malignant Lymphocytic	
Note: [ LYMPH MAL LYMP ] TGLs = 6-5,6			
Note: TUMOR INVOLEMENT OBSCURES GRADING			
Lymph Node	Bronchial	Lymphoma Malignant Lymphocytic	
	Mandibular	Lymphoma Malignant Lymphocytic	
	Mediastinal	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
	Pancreatic	Lymphoma Malignant Lymphocytic	
Note: [ LYMPH MAL LYMP ] TGLs = 5-6			
Note: [ LYMPH MAL LYMP ] TGLs = 4-8			
Note: [ LYMPH MAL LYMP ] TGLs = 9-2			
Note: [ LYMPH MAL LYMP ] TGLs = 8-2			
Mammary Gland		Lymphoma Malignant Lymphocytic	Metastatic (Uncertain Primary Site)

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 24

**TRT#:** 5

**DOSE:** 6 MG/M3

**SEX:** Female

**DISP:** Natural Death

**DAY ON TEST:** 798

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ LYMPH MAL LYMP ] TGLs = 1-16		
Salivary Glands	Lymphoma Malignant Lymphocytic	Metastatic (Uncertain Primary Site)
Note: [ LYMPH MAL LYMP ] TGLs = 2-10,15		
Thymus	Lymphoma Malignant Lymphocytic	
Note: [ LYMPH MAL LYMP ] TGLs = 7-2		
Uterus	Lymphoma Malignant Lymphocytic	Metastatic (Uncertain Primary Site)
Note: [ LYMPH MAL LYMP ] TGLs = 3-9		

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**PRIMARY CAUSE OF DEATH** -

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 37

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 815

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Brain		Compression	Marked
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 4-3			
Liver		Fatty Change	Marked
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Mild
[ Fatty Change TGLS = 3-15 ]			
Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Bronchial	Hyperplasia	Histiocytic, Mild
	Mandibular	Hyperplasia	Lymphoid, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 1-10			
Note: [ HYPERPLASIA ] TGLs = 6-2			
Note: [ HYPERPLASIA ] TGLs = 7-2			
Pancreas	Lobules	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 8-14			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 37

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 815

**DOSE:** 6 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Uterus

Lamina Propria

Fibrosis

Mild

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 38

TRT#: 5

SEX: Female

DAY ON TEST: 482

DOSE: 6 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Larynx	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Lung	Alveolar Epith	Hyperplasia Inflammation	Minimal Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 2-5,6,15			
Lymph Node	Bronchial Mediastinal	Hyperplasia Hyperplasia Fibroadenoma	Histiocytic, Mild Histiocytic, Mild
Mammary Gland [ Fibroadenoma TGLS = 1-16 ]			
Uterus	Lamina Propria	Fibrosis	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 39

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 747

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Esophagus	Intestine Small - Duodenum	Islets, Pancreatic	Larynx
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Salivary Glands	Skin	Stomach - Forestomach	Trachea
Urinary Bladder			

MISSING

Clitoral Gland

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Ileum	Intestine Small - Jejunum
Thyroid Gland			

OBSERVATIONS

Adrenal Gland	Cortex Medulla	Hyperplasia Pheochromocytoma Benign	Focal, Mild
Bone		Hyperostosis	
Bone Marrow		Atrophy	Moderate
Brain		Inflammation	Focal, Mild
Heart	Myocardium Atrium	Cardiomyopathy Inflammation Thrombosis	Mild Focal, Moderate
Note: [ THROMBUS ] TGLs = 5-3			
Note: SEPTIC			
Intestine Large	Rectum	Parasite Metazoan Inflammation Nephropathy	Moderate Mild
Kidney			
Note: [ NEPHROPATHY ] TGLs = 4-3			
Note: INFLAMMATION IS SEPTIC<PERHAPS EMBOLIS			
Liver	Centrilobular Bile Duct	Degeneration Hyperplasia Necrosis	Marked Mild Focal, Moderate
Note: [ DEGEN ] TGLs = 3-4			

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 39

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 747

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Lung	Interstitial	Fibrosis Inflammation Lymphoma Malignant Mixed	Focal, Mild Granulomatous, Mild
Note: [ LYMPH MAL MIXD ] TGLs = 9-5,6			
Lymph Node	Bronchial Mandibular Mediastinal	Lymphoma Malignant Mixed Lymphoma Malignant Mixed Lymphoma Malignant Mixed	
Note: [ LYMPH MAL MIXD ] TGLs = 1-10			
Note: [ LYMPH MAL MIXD ] TGLs = 8-2			
Note: [ LYMPH MAL MIXD ] TGLs = 7-2			
Mammary Gland		Lymphoma Malignant Mixed	
Note: TUMOR MAY HAVE STARTED IN GLAND OR SUBCUTIS			
Note: [ LYMPH MAL MIXD ] TGLs = 2-15			
Parathyroid Gland		Lymphoma Malignant Mixed	
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 10-14			
Spleen		Atrophy	Moderate
Stomach	Glandular	Ulcer	Moderate
Thymus		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 6-2			
Uterus	Lamina Propria	Fibrosis	Minimal
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 40

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 720

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Esophagus

Lymph Node - Mesenteric

Pituitary Gland

Thyroid Gland

Bone Marrow

Intestine Small - Duodenum

Mammary Gland

Salivary Glands

Urinary Bladder

Brain

Islets, Pancreatic

Ovary

Skin

Clitoral Gland

Lymph Node - Mandibular

Pancreas

Stomach - Forestomach

MISSING

Intestine Large - Rectum

Lymph Node - Bronchial

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Large - Colon

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland

Bilateral, Medulla

Hyperplasia

Marked

Blood Vessel

Aorta

Mineralization

Marked

Mesent Artery

Mineralization

Marked

Note: [ MINERALIZATION ] TGLs = 1-16

Note: [ MINERALIZATION ] TGLs = 6-17

Bone

Fibrous Osteodystrophy

Note: [ FIB OSTEODYST ] TGLs = 7-18,11

Heart

Cardiomyopathy

Mild

Myocardium

Mineralization

Marked

Note: [ MINERALIZATION ] TGLs = 8-3,19

Kidney

Nephropathy

Marked

Note: [ NEPHROPATHY ] TGLs = 2-3

Larynx

Inflammation

Suppurative, Mild

Liver

Fatty Change

Marked

Note: [ FATTY CHANGE ] TGLs = 3.9-15,20

Lung

Inflammation

Granulomatous, Minimal

Mineralization

Moderate

Note: [ INFLAMMATION ] TGLs = 5-5,6

Lymph Node

Mediastinal

Hyperplasia

Histiocytic, Moderate

Nose

Inflammation

Suppurative, Marked

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 40

**TRT#:** 5

**DOSE:** 6 MG/M3

**SEX:** Female

**DISP:** Natural Death

**DAY ON TEST:** 720

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Parathyroid Gland Note: [ HYPERPLASIA ] TGLs = 4-2	Respirat Epith	Metaplasia Hyperplasia	Squamous, Moderate Marked
Spleen	Glandular	Hematopoietic Cell Proliferation	Moderate
Stomach		Mineralization	Marked
Thymus		Myxoma	
Trachea		Inflammation	Suppurative, Mild
Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 41

TRT#: 11

SEX: Female

DAY ON TEST: 192

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Liver  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mediastinal  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Larynx  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus  
Uterus

PRESENT BUT NOT EXAMINED

Eye  
Tongue

OBSERVATIONS

Bone Marrow	Femoral	Hyperplasia	Histiocytic, Mild
Lung		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 1-5			
Note: REFRACTING PARTICLES PRESENT IN MACROPHAGES			
Note: LESIONS APPEAR TO BE EARLY GRANULOMAS			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
Note: HISTIOCYTIC FOCI CONTAIN REFRACTING PARTICLES			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Talc

Time Report Requested: 19:07:03

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 14807-96-6

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: LITRI

ANIMAL ID: 42

TRT#: 11

SEX: Female

DAY ON TEST: 333

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO: 50791042

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Harderian Gland
Heart	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Larynx	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Lymph Node - Mandibular

OBSERVATIONS

Intestine Large	Cecum	Parasite Metazoan	Mild
Liver	Bile Duct	Hyperplasia	Minimal
Lung	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 1-5.1-6.1-15			
Note: [ FIBROSIS ] TGLs = 1-5.1-6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
	Renal	Hyperplasia	Histiocytic, Moderate

Note: LYMPH NODE NEXT TO ADRENAL(RENAL) SHOWS HISTIOCYTIC

Note: [ HYPERPLASIA ] TGLs = 2-2

Note: BUT NO REFRACTIVE PARTICLES ARE PRESENT.

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 43

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 566

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Brain		Carcinoma Compression	Metastatic (Pituitary Gland) Marked
Note: INVASION FROM PITUITARY Note: [ CARCINOMA ] TGLs = 2-1			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 4-3			
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung	Alveolar Epith	Hyperplasia Inflammation	Minimal Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 1-5,6			
Lymph Node	Bronchial Mediastinal	Hyperplasia Hyperplasia	Histiocytic, Mild Histiocytic, Mild
Pituitary Gland	Pars Distalis	Carcinoma	
Note: MALIGNANCY BASED ON ANAPLASIA & INVASION / BRAIN [ Carcinoma TGLS = 3-14 ]			
Uterus	Lamina Propria	Fibrosis	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 44

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 841

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Intestine Large - Rectum	Lymph Node - Mediastinal
--------------------------	--------------------------

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Heart	Myocardium	Embolus	Mild
	Atrium	Thrombosis	
Note: [ THROMBUS ] TGLs = 3-3			
Kidney	Medulla	Inflammation	Moderate
		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
		Degeneration	Cystic, Moderate
		Fatty Change	Marked
	Bile Duct	Hyperplasia	Moderate
Note: [ DEGEN ] TGLs = 7-16			
Note: [ FATTY CHANGE ] TGLs = 2-4,15			
Lung	Interstitium	Fibrosis	Focal, Marked
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 6-5,6,15			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
	Bronchial	Hyperplasia	Histiocytic, Marked
Note: [ HYPERPLASIA ] TGLs = 5-2			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 44

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 841

**DOSE:** 6 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Fibrosis	Focal, Marked
Note: [ FIBROSIS ] TGLs = 1-15			
Thyroid Gland	C Cell	Carcinoma	
Note: MALIGNANCY BASED ON ANAPLASIA & SIZE			
Note: [ CARCINOMA ] TGLs = 4-2			
Uterus	Lamina Propria	Fibrosis	Minimal
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 45

TRT#: 5

SEX: Female

DAY ON TEST: 690

DOSE: 6 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Trachea
Urinary Bladder			

MISSING

Intestine Large - Rectum	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Mild
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Brain		Compression	
Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	
Note: [ THROMBUS ] TGLs = 4-3			
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Degeneration	Moderate
		Fatty Change	Marked
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ DEGEN ] TGLs = 2-4			
Lung		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
Note: LEUKEMIA CONFOOUNDS GRADING			
Note: [ LEUKEMIA MONUC ] TGLs = 7-5,6			
Lymph Node	Bronchial	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 45

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 690

**DOSE:** 6 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Mesenteric

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 5-2

Note: [ LEUKEMIA MONUC ] TGLs = 6-2

Note: [ LEUKEMIA MONUC ] TGLs = 3-8

Pituitary Gland

Pars Distalis

Carcinoma

Note: MALIGNANCY BASED ON SIZE & ANAPLASIA

[ Carcinoma TGLS = 8-14 ]

Spleen

Leukemia Mononuclear

[ Leukemia Mononuclear TGLS = 1-3 ]

Thyroid Gland

C Cell

Hyperplasia

Mild

Uterus

Lamina Propria

Fibrosis

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 46

TRT#: 11

SEX: Female

DAY ON TEST: 739

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung	Interstitialium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 2-6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 1-2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 3-14			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 47

TRT#: 5

SEX: Female

DAY ON TEST: 862

DOSE: 6 MG/M3

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 5-2			
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 3-3 ]			
Uterus	Lamina Propria	Fibrosis	Minimal
		Polyp Stromal	
Note: [ POLYP STROMAL ] TGLs = 1-15			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 48

TRT#: 5

SEX: Female

DAY ON TEST: 508

DOSE: 6 MG/M3

DISP: Natural Death

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Mammary Gland

Skin

**AUTO PRECLUDES DIAG.**

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Brain

Clitoral Gland

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Larynx

Liver

Lung

Lymph Node - Bronchial

Lymph Node - Mandibular

Lymph Node - Mediastinal

Lymph Node - Mesenteric

Nose

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Salivary Glands

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

**OBSERVATIONS**

Uterus

Lamina Propria

Fibrosis

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 61

TRT#: 11

SEX: Female

DAY ON TEST: 739

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland Note: [ PHEOCHROM BGN ] TGLs = 7-14	Medulla	Pheochromocytoma Benign	
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver Note: [ LEUKEMIA MONUC ] TGLs = 6-4		Leukemia Mononuclear	
Lung  Note: [ INFLAMMATION ] TGLs = 2-6	Interstitial Alveolar Epith	Fibrosis Hyperplasia Inflammation	Focal, Mild Mild Granulomatous, Mild
Lymph Node  Note: [ HYPERPLASIA ] TGLs = 3,4-2	Bronchial Mediastinal	Hyperplasia Hyperplasia	Histiocytic, Mild Histiocytic, Mild
Ovary Note: [ GRAN THECA MAL ] TGLs = 5-9		Granulosa-Theca Tumor Malignant	
Pituitary Gland Note: [ ADENOMA ] TGLs = 8-14	Pars Distalis	Adenoma	
Stomach Thymus Note: [ LEUKEMIA MONUC ] TGLs = 1-2	Forestomach	Hyperplasia Leukemia Mononuclear	Squamous, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 62

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 862

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Thymus  
Uterus

Bone  
Esophagus  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thyroid Gland

Bone Marrow  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Spleen  
Trachea

Brain  
Intestine Small - Duodenum  
Larynx  
Nose  
Pituitary Gland  
Stomach - Glandular  
Urinary Bladder

MISSING

Lymph Node - Mediastinal

Stomach - Forestomach

OBSERVATIONS

Adrenal Gland  
Heart  
Intestine Large  
  
Kidney  
Liver

Medulla  
  
Cecum  
Colon  
  
Bile Duct  
Interstitialium  
Alveolar Epith

Hyperplasia  
Cardiomyopathy  
Parasite Metazoan  
Parasite Metazoan  
Nephropathy  
Basophilic Focus  
Degeneration  
Hyperplasia  
Fibrosis  
Hyperplasia  
Inflammation

Mild  
Minimal  
  
Mild  
Minimal  
Cystic, Minimal  
Minimal  
Focal, Marked  
Mild  
Granulomatous, Mild

Note: [ HYPERPLASIA ] TGLs = 1-5

Note: [ INFLAMMATION ] TGLs = 2-5,6

Lymph Node

Bronchial

Hyperplasia

Histiocytic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 63

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 768

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Clitoral Gland	Islets, Pancreatic
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AUTO PRECLUDES DIAG.

Intestine Large - Cecum
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Marked
Bone Marrow		Atrophy	Moderate
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Marked
Liver		Basophilic Focus	Mild
		Fatty Change	Moderate
Lung		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 1-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Mesentery		Granuloma	Moderate
Note: [ GRANULOMA ] TGLs = 2-15			
Pituitary Gland	Pars Distalis	Adenoma	
Uterus	Lamina Propria	Fibrosis	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 64

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 849

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Small - Duodenum  
Larynx  
Nose  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Skin  
Thymus

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mediastinal  
Pancreas  
Spleen  
Thyroid Gland

Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Adrenal Gland  
Medulla  
Medulla  
Note: [ PHEOCHROM MAL ] TGLs = 5-14

Bone Marrow  
Heart  
Kidney  
Note: [ NEPHROPATHY ] TGLs = 6-3

Liver  
Lung  
Note: [ INFLAMMATION ] TGLs = 8-5,6

Lymph Node  
Note: [ HYPERPLASIA ] TGLs = 7-2

Mammary Gland  
Note: [ FIBROADENOMA ] TGLs = 1,2-16  
[ Fibroadenoma TGLS = 1,2-17 ]

Pituitary Gland  
Note: [ ADENOMA ] TGLs = 9-14

Uterus

Medulla  
Medulla  
Interstitialium  
Alveolar Epith

Bronchial

Pars Distalis

Pheochromocytoma Benign  
Pheochromocytoma Malignant

Myelofibrosis  
Cardiomyopathy  
Nephropathy

Basophilic Focus  
Fibrosis  
Hyperplasia  
Inflammation

Hyperplasia

Fibroadenoma  
Galactocele

Adenoma

Cyst

Mild  
Minimal  
Marked  
Marked  
Focal, Minimal  
Minimal  
Granulomatous, Mild

Histiocytic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 64

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 849

**DOSE:** 6 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Lamina Propria

Fibrosis

Minimal

[ Fibrosis TGLS = 4-18 ]

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 65

TRT#: 11

SEX: Female

DAY ON TEST: 739

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow	Myeloid Cell	Hyperplasia	Marked
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Moderate
Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Minimal
Note: [ FATTY CHANGE ] TGLs = 6-4			
Lung	Interstitium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 2-6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Mammary Gland		Fibroadenoma	
Note: [ FIBROADENOMA ] TGLs = 3,4-15			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 7-14			
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: [ HEMA CELL PROL ] TGLs = 5-3			
Uterus		Hyperplasia	Cystic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 66

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 818

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Harderian Gland	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Diffuse, Minimal
Harderian GI			
Note: MISTAKEN AS LACRIMAL AT GROSS			
Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Inflammation	Mild
Kidney		Nephropathy	Moderate
Lacrimal GI			
Note: DARK FOCUS IN LACRIMAL GL. IS SMALL CYSTIC DILATION SLIDE15			
Liver		Basophilic Focus	Mild
	Centrilobular	Degeneration	Marked
	Bile Duct	Hyperplasia	Mild
Note: [ DEGEN ] TGLs = 1-4			
Lung	Interstitium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 3-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 4-2			
Note: [ HYPERPLASIA ] TGLs = 5-2			
Thyroid Gland	C Cell	Carcinoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 66

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 818

**DOSE:** 6 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ CARCINOMA ] TGLs = 2-2

Uterus

Lamina Propria

Fibrosis

Minimal

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 67

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 760

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Clitoral Gland
Esophagus	Intestine Small - Duodenum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Ovary	Pancreas	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Intestine Large - Rectum

AUTO PRECLUDES DIAG.

Bone Marrow	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Ileum
Intestine Small - Jejunum			

INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	
Note: [ THROMBUS ] TGLs = 8,9-3			
Kidney		Nephropathy	Mild
Liver	Centrilobular	Degeneration	Moderate
	Bile Duct	Hyperplasia	Marked
	Serosa	Thrombosis	
[ Degeneration TGLS = 4-4,15 ]			
[ Hyperplasia TGLS = 5,6,7-4,15 ]			
Lung		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
Note: [ INFLAMMATION ] TGLs = 12-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 67

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 760

**DOSE:** 6 MG/M3

**DISP:** Natural Death

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 11-2 Note: [ HYPERPLASIA ] TGLs = 10-2 Mammary Gland [ Fibroadenoma TGLS = 1-16 ]	Mesenteric	Hyperplasia	Lymphoid, Moderate
Nose Spleen Note: [ LEUKEMIA MONUC ] TGLs = 3-3	Mucosa	Inflammation Leukemia Mononuclear	Suppurative, Moderate
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 68

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 526

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
	Medulla	Hyperplasia	Minimal
	Medulla	Leukemia Mononuclear	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Degeneration	Marked
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: [ DEGEN ] TGLs = 2-4,15			
Lung		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
Note: [ INFLAMMATION ] TGLs = 3-5,6			
Note: LEUKEMIA CONFOUNDS GRADING			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-3 ]			
Stomach	Forestomach	Ulcer	Mild
Uterus	Lamina Propria	Fibrosis	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:03  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 68

**TRT#:** 5  
**DOSE:** 6 MG/M3

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 526  
**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 69

TRT#: 5

SEX: Female

DAY ON TEST: 561

DOSE: 6 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Nose  
Pituitary Gland  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Skin  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Larynx  
Pancreas  
Spleen  
Thyroid Gland

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Bone  
Kidney  
Liver  
Lung  
  
Note: [ INFLAMMATION ] TGLs = 5-5,6  
Lymph Node

Mandible  
  
Alveolar Epith  
  
Bronchial  
Mediastinal  
Mandibular

Sarcoma  
Nephropathy  
Fatty Change  
Hyperplasia  
Inflammation  
  
Hyperplasia  
Hyperplasia  
Sarcoma

Metastatic (Uncertain Primary Site)  
Minimal  
Marked  
Minimal  
Granulomatous, Mild  
  
Histiocytic, Mild  
Histiocytic, Minimal  
Metastatic (Uncertain Primary Site)

Note: [ HYPERPLASIA ] TGLs = 4-2  
Mammary Gland  
[ Fibroadenoma TGLS = 2-15 ]

Fibroadenoma

Salivary Glands  
Note: TUMOR IS SCLEROSING AND INVASIVE

Sarcoma

Tongue

Sarcoma

Metastatic (Uncertain Primary Site)

Uterus

Lamina Propria

Fibrosis

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 70

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 705

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mediastinal
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Salivary Glands	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 3-3			
Liver	Centrilobular	Degeneration	Marked
	Bile Duct	Hyperplasia	Minimal
Lung	Interstitium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 6-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 5-2			
Parathyroid Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-14 ]			
Spleen		Atrophy	Mild
Note: [ ATROPHY ] TGLs = 1-3			
Stomach	Forestomach	Ulcer	Moderate
Note: [ ULCER ] TGLs = 2-7			
Uterus	Lamina Propria	Fibrosis	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 71

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 862

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

OBSERVATIONS

Harderian Gland		Inflammation	Minimal
Note: [ INFLAMMATION ] TGLs = 4-15			
Note: MISTAKEN AS LACRIMAL GLAND AT GROSS			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	Moderate
		Clear Cell Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 3-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
[ Hyperplasia TGLS = 2-2 ]			
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Uterus	Lamina Propria	Fibrosis	Minimal
		Polyp Stromal	
Note: [ POLYP STROMAL ] TGLs = 1-15			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 72

TRT#: 11

SEX: Female

DAY ON TEST: 333

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO: 50791072

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Parathyroid Gland

OBSERVATIONS

Intestine Large	Cecum	Parasite Metazoan	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
Lung	Interstitium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 3-5.3-6.3-15			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
	Mesenteric	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 1-2.2-2			
Pancreas		Inflammation	Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 85

TRT#: 5

SEX: Female

DAY ON TEST: 800

DOSE: 6 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Larynx
Lymph Node - Mandibular	Nose	Ovary	Pancreas
Salivary Glands	Skin	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex Bilateral, Medulla	Hyperplasia Pheochromocytoma Benign	Focal, Marked
Blood Vessel	Aorta	Mineralization	Moderate
Bone		Fibrous Osteodystrophy	
Heart	Myocardium	Cardiomyopathy Mineralization	Minimal Marked
Kidney		Nephropathy	Marked
Liver	Bile Duct	Basophilic Focus Hyperplasia Neoplastic Nodule	Mild Minimal
Lung		Inflammation Mineralization	Granulomatous, Minimal Marked
Lymph Node	Mesenteric Bronchial Mediastinal	Hemorrhage Hyperplasia Hyperplasia	Moderate Histiocytic, Mild Histiocytic, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 85

TRT#: 5

SEX: Female

DAY ON TEST: 800

DOSE: 6 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ HYPERPLASIA ] TGLs = 10-2			
Note: [ HYPERPLASIA ] TGLs = 11-2			
Mammary Gland		Hyperplasia	Cystic, Moderate
Parathyroid Gland		Hyperplasia	Marked
Note: [ HYPERPLASIA ] TGLs = 7-2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 13-14			
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Forestomach	Mineralization	Moderate
	Glandular	Mineralization	Moderate
Note: [ MINERALIZATION ] TGLs = 2-7			
Thyroid Gland	Follicular Cel	Adenoma	
Uterus	Lamina Propria	Fibrosis	Minimal
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 86

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 863

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Marked
	Cortex	Necrosis	Focal, Moderate
	Medulla	Pheochromocytoma Benign	
Blood Vessel	Aorta	Mineralization	Marked
	Mesent Artery	Thrombosis	Moderate
Note: [ MINERALIZATION ] TGLs = 6-15			
Note: [ THROMBUS ] TGLs = 3-7,16			
Bone		Fibrous Osteodystrophy	Moderate
Heart	Myocardium	Mineralization	Marked
Note: [ MINERALIZATION ] TGLs = 7-3			
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 1-3			
Liver	Bile Duct	Hyperplasia	Minimal
Lung	Interstitialium	Fibrosis	Focal, Minimal
		Inflammation	Granulomatous, Mild
	Interstitialium	Mineralization	Moderate
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Note: [ MINERALIZATION ] TGLs = 5-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Pancreas	Lobules	Atrophy	Moderate
Parathyroid Gland		Hyperplasia	Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 86

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 863

**DOSE:** 6 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 8-2

Spleen

Hematopoietic Cell Proliferation

Mild

Stomach

Arteriole, Glandular, Muscularis

Mineralization

Marked

Note: [ MINERALIZATION ] TGLs = 2-7

Uterus

Lamina Propria

Fibrosis

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 89

TRT#: 5

SEX: Female

DAY ON TEST: 738

DOSE: 6 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder			

INSUFFICIENT TISSUE

Thymus

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
Brain		Compression	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Liver	Centrilobular	Degeneration	Marked
		Fatty Change	Marked
		Leukemia Mononuclear	
Note: [ DEGEN ] TGLs = 4-4			
Lung	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
Note: [ INFLAMMATION ] TGLs = 1-5,6			
Note: LEUKEMIA CONFOUNDS GRADING			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-2			
Ovary		Granulosa-Theca Tumor Benign	
Note: SEE ALISON AND MORGAN ENVIR. HEALTH PERS.73:91-106,1987			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 89

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 738

**DOSE:** 6 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: CORRESPONDS TO UNDIFF. SEX CORD-STROMAL TUMOR

Pituitary Gland

Pars Distalis

Adenoma

[ Adenoma TGLS = 5-14 ]

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 3-3

Uterus

Lamina Propria

Fibrosis

Minimal

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 91

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 863

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Note: [ PHEOCHROM BGN ] TGLs = 2-14			
Clitoral Gland		Inflammation	Moderate
Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	Marked
Note: [ THROMBUS ] TGLs = 8-3			
Kidney		Cyst	Moderate
		Nephropathy	Marked
Note: [ CYST ] TGLs = 3-3			
Liver		Atrophy	Mild
		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung	Interstitialium	Fibrosis	Focal, Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Lymph Node	Bronchial	Fibrosis	Marked
	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: FIBROSOS-NODULAR			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

---

**ANIMAL ID:** 91

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 863

**DOSE:** 6 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Hyperplasia TGLS = 7-2 ]

[ Hyperplasia TGLS = 6-2 ]

Ovary  
Note: [ GRANLSA TM BGN ] TGLs = 4-9  
Granulosa Cell Tumor Benign

Spleen  
Note: [ LEUKEMIA MONUC ] TGLs = 1-3  
Leukemia Mononuclear

Stomach  
Forestomach  
Ulcer  
Minimal

Uterus  
Lamina Propria  
Fibrosis  
Mild

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 92

TRT#: 5

SEX: Female

DAY ON TEST: 697

DOSE: 6 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Mammary Gland	Nose	Ovary
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Intestine Large - Rectum	Thymus
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AUTO PRECLUDES DIAG.

Bone Marrow	Intestine Large - Cecum	Intestine Small - Ileum
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Leukemia Mononuclear	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver	Centrilobular	Degeneration	Marked
		Fatty Change	Marked
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [ DEGEN ] TGLs = 4-4			
Lung	Interstitial	Fibrosis	Focal, Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 7-5,6			
Lymph Node	Bronchial	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-8			
Note: [ LEUKEMIA MONUC ] TGLs = 1-10			
Note: [ LEUKEMIA MONUC ] TGLs = 5-2			
Note: [ LEUKEMIA MONUC ] TGLs = 6-2			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 92

**TRT#:** 5

**DOSE:** 6 MG/M3

**SEX:** Female

**DISP:** Natural Death

**DAY ON TEST:** 697

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pancreas		Inflammation	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 9-14			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-3			
Uterus	Lamina Propria	Fibrosis	Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 93

TRT#: 11

SEX: Female

DAY ON TEST: 193

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus  
Uterus

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

Bone  
Heart  
Intestine Small - Ileum  
Larynx  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Liver  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

MISSING

Lymph Node - Mandibular

Lymph Node - Mediastinal

PRESENT BUT NOT EXAMINED

Eye

Tongue

OBSERVATIONS

Bone Marrow  
Intestine Large  
Note: PARASITE IS SYPHACIA  
Lung  
Lymph Node  
Note: [ HYPERPLASIA ] TGLs = 1-2

Cecum  
  
Bronchial

Hyperplasia  
Parasite Metazoan  
  
Inflammation  
Hyperplasia

Histiocytic, Mild  
Minimal  
  
Granulomatous, Minimal  
Histiocytic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 94

TRT#: 11

SEX: Female

DAY ON TEST: 556

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Trachea

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Spleen  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Larynx  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Uterus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Glandular

MISSING

Esophagus Thymus

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
Lung	Interstitialium	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ HYPERPLASIA ] TGLs = 2-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Minimal
Note: [ HYPERPLASIA ] TGLs = 1-2			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 95

TRT#: 5

SEX: Female

DAY ON TEST: 566

DOSE: 6 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Salivary Glands  
Thymus

Bone  
Heart  
Intestine Small - Duodenum  
Larynx  
Nose  
Skin  
Thyroid Gland

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Stomach - Forestomach  
Trachea

Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pituitary Gland  
Stomach - Glandular  
Urinary Bladder

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Bone Marrow

OBSERVATIONS

Adrenal Gland  
Kidney  
Liver

Cortex  
Centrilobular  
Bile Duct

Hyperplasia  
Nephropathy  
Degeneration  
Fatty Change  
Hyperplasia  
Leukemia Mononuclear

Focal, Mild  
Minimal  
Marked  
Marked  
Minimal  
Granulomatous, Minimal

Note: [ DEGEN ] TGLs = 2-4  
Lung

Inflammation  
Leukemia Mononuclear

Note: [ INFLAMMATION ] TGLs = 3-5,6  
Lymph Node

Bronchial  
Mediastinal  
Lobules

Hyperplasia  
Hyperplasia  
Atrophy  
Leukemia Mononuclear

Histiocytic, Mild  
Histiocytic, Minimal  
Minimal

Spleen  
[ Leukemia Mononuclear TGLS = 1-3 ]

Uterus  
Lamina Propria

Fibrosis

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 96

TRT#: 5

SEX: Female

DAY ON TEST: 651

DOSE: 6 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Liver  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Islets, Pancreatic  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Glandular

Bone  
Esophagus  
Kidney  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thyroid Gland

Bone Marrow  
Heart  
Larynx  
Mammary Gland  
Parathyroid Gland  
Spleen  
Trachea

MISSING

Intestine Large - Rectum

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Lung  
Note: [ INFLAMMATION ] TGLs = 3-5,6  
Lymph Node  
Note: [ HYPERPLASIA ] TGLs = 2-2  
Thymus  
Note: SEE VET PATH 19:721-723{1982}  
Note: [ MIXD TUMOR MAL ] TGLs = 1-2,15

Alveolar Epith  
Peribronchial  
Bronchial  
Mediastinal  
Lamina Propria

Hyperplasia  
Hyperplasia  
Inflammation  
Hyperplasia  
Hyperplasia  
Mixed Tumor Malignant  
Fibrosis

Minimal  
Histiocytic, Minimal  
Granulomatous, Minimal  
Histiocytic, Minimal  
Histiocytic, Mild  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 109

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 724

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Minimal
Liver		Eosinophilic Focus	Mild
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Moderate
		Neoplastic Nodule	
Note: [ NEOPLASTIC NOD ] TGLs = 4-4			
Note: [ EOSIN FOCUS ] TGLs = 8-15			
Lung		Inflammation	Granulomatous, Mild
		Lymphoma Malignant Lymphocytic	
Note: [ INFLAMMATION ] TGLs = 7-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
	Mandibular	Lymphoma Malignant Lymphocytic	
	Mesenteric	Lymphoma Malignant Lymphocytic	
Note: [ HYPERPLASIA ] TGLs = 6-2			
Nose	Mucosa	Inflammation	Suppurative, Marked
Spleen		Lymphoma Malignant Lymphocytic	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:03  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 109

**TRT#:** 5  
**DOSE:** 6 MG/M3

**SEX:** Female  
**DISP:** Natural Death

**DAY ON TEST:** 724  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ LYMPH MAL LYMP ] TGLs = 1-3

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 110

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 647

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Larynx	Mammary Gland	Ovary	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Uterus

AUTO PRECLUDES DIAG.

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Pancreas	Urinary Bladder

INSUFFICIENT TISSUE

Pituitary Gland

OBSERVATIONS

Heart		Cardiomyopathy Leukemia Mononuclear	Marked
Liver	Centrilobular	Degeneration Fatty Change	Marked
	Bile Duct	Hyperplasia	Moderate
Note: [ DEGEN ] TGLs = 2-4			
Lung	Interstitial	Fibrosis Inflammation	Focal, Minimal Granulomatous, Mild
Note: [ FIBROSIS ] TGLs = 5-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 3-2			
Note: [ HYPERPLASIA ] TGLs = 4-2			
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-3 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 111

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 863

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Forestomach  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Pituitary Gland  
Stomach - Glandular

Bone  
Esophagus  
Intestine Small - Duodenum  
Larynx  
Nose  
Salivary Glands  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Trachea

OBSERVATIONS

Heart  
Kidney  
Liver

Cardiomyopathy  
Nephropathy  
Basophilic Focus  
Eosinophilic Focus  
Hyperplasia  
Leukemia Mononuclear

Mild  
Moderate  
Moderate  
Moderate  
Minimal

Bile Duct

Note: [ EOSIN FOCUS ] TGLs = 3-17

Note: [ LEUKEMIA MONUC ] TGLs = 4-16

Note: EOSIN. FOCUS HAS WIDELY DILATED SINUSOIDS

Lung

Interstitial  
Alveolar Epith  
Peribronchial

Fibrosis  
Hyperplasia  
Hyperplasia  
Inflammation

Focal, Minimal  
Minimal  
Histiocytic, Mild  
Granulomatous, Mild

Note: [ INFLAMMATION ] TGLs = 2-5,6

Lymph Node

Bronchial  
Mediastinal

Hyperplasia  
Hyperplasia  
Granulosa Cell Tumor Benign

Histiocytic, Moderate  
Histiocytic, Moderate

Ovary

Note: [ GRANLSA TM BGN ] TGLs = 1-15

Spleen

Leukemia Mononuclear

Thyroid Gland

C Cell

Hyperplasia

Mild

Uterus

Lamina Propria

Fibrosis

Mild

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:03  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 111

**TRT#:** 5  
**DOSE:** 6 MG/M3

**SEX:** Female  
**DISP:** Terminal Sacrifice

**DAY ON TEST:** 863  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 112

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 755

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Nose
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OBSERVATIONS

Brain		Compression Hemorrhage	Moderate
[ Compression TGLS = 6-1,16 ]			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Eosinophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung	Interstitialium	Fibrosis	Focal, Minimal
		Hemorrhage	Moderate
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ HEMORRHAGE ] TGLs = 4-5,6			
Note: MANY MAST CELLS IN LESIONS			
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Lymph Node	Bronchial Mediastinal	Hyperplasia Hyperplasia	Histiocytic, Mild Histiocytic, Marked
Note: [ HYPERPLASIA ] TGLs = 2-2			
Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-15 ]			
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 112

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 755

**DOSE:** 6 MG/M3

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Adenoma TGLS = 3-14 ]

Uterus

Lamina Propria

Fibrosis

Minimal

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 114

TRT#: 11

SEX: Female

DAY ON TEST: 739

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Liver	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Lymph Node - Mandibular	Parathyroid Gland
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Lung	Interstitial	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Mild
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 2-6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 1-2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 3-14			
Thymus		Cyst	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 115

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 740

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	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Minimal
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
Lung	Interstitialium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 3-5,6			
Note: MANY MAST CELLS IN LESIONS			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Minimal
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 4-2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 5-14			
Skin	Subcut Tiss	Fibrosarcoma	
Note: MALIGNANCY BASED ON ANAPLASIA & INVASIVE GROWTH			
[ Fibrosarcoma TGLS = 1-15,16 ]			
Spleen		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 115

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 740

**DOSE:** 6 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HEMA CELL PROL ] TGLs = 2-3

Uterus

Lamina Propria

Fibrosis

Mild

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 116

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 729

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Clitoral Gland
Esophagus	Islets, Pancreatic	Kidney	Larynx
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Nose	Stomach - Forestomach
Stomach - Glandular			

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
Brain		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 6,7-1,15			
Heart		Cardiomyopathy	Minimal
Liver	Centrilobular	Degeneration	Moderate
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung	Interstitium	Fibrosis	Focal, Minimal
		Inflammation	Granulomatous, Minimal
		Inflammation	Suppurative, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA CONFOUNDS GRADING			
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ HYPERPLASIA ] TGLs = 4-2			
Note: [ LEUKEMIA MONUC ] TGLs = 1-10			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 116

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 729

**DOSE:** 6 MG/M3

**DISP:** Natural Death

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ LEUKEMIA MONUC ] TGLs = 3-2

Pituitary Gland

Pars Distalis

Hyperplasia

Mild

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 2-3

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Talc

Time Report Requested: 19:07:03

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 14807-96-6

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: LITRI

ANIMAL ID: 117

TRT#: 5

SEX: Female

DAY ON TEST: 819

DOSE: 6 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Intestine Small - Duodenum	Lymph Node - Mediastinal
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart	Atrium	Cardiomyopathy	Minimal
		Thrombosis	
Note: [ THROMBUS ] TGLs = 4-3			
Intestine Large	Cecum	Inflammation	Moderate
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Degeneration	Marked
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Moderate
		Neoplastic Nodule	
Note: [ DEGEN ] TGLs = 2-4			
Lung	Interstitium	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 6-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 5-2			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-14 ]			
Spleen			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 117

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 819

**DOSE:** 6 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: CONGESTION & HEMOSIDERIN BUT NOT REMARKABLE

Uterus

Polyp Stromal

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 118

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 678

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Bronchial	Lymph Node - Mediastinal	Lymph Node - Mesenteric
Nose	Ovary	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Intestine Large - Rectum	Mammary Gland	Parathyroid Gland	
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AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Bone			
Note: TUMOR MASS SEEN & GROSS IS NEOPLASM OF TOOTH			
Intestine Large	Cecum	Hemorrhage	Focal, Moderate
Note: [ HEMORRHAGE ] TGLs = 4-17			
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Mild
Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 1-5.6			
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
Pancreas	Lobules	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Tooth		Adamantinoma Benign	
Note: SEE WHO 1976 CLASSIFICATION			
Note: CLASSIFIED MORE DEFINITIVLY AS ODONTOAMELOBLASTOMA			
Note: [ ADAMANTIN BGN ] TGLs = 2-15,18			
Uterus	Lamina Propria	Fibrosis	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:03  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 118

**TRT#:** 5  
**DOSE:** 6 MG/M3

**SEX:** Female  
**DISP:** Moribund Sacrifice

**DAY ON TEST:** 678  
**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Polyp Stromal

Note: [ POLYP STROMAL ] TGLs = 3-16

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 119

TRT#: 11

SEX: Female

DAY ON TEST: 739

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland Note: [ PHEOCHROM BGN ] TGLs = 5-14	Medulla	Pheochromocytoma Benign	
Intestine Large	Cecum	Parasite Metazoan	
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	Minimal
Lung	Interstitialium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 3-			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 1,2-2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 6-14			
Uterus		Polyp Stromal	
Note: [ POLYP STROMAL ] TGLs = 4-15			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 120

TRT#: 11

SEX: Female

DAY ON TEST: 556

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Liver
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Kidney		Nephropathy	Mild
Lung		Alveolar/Bronchiolar Adenoma	
	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ HYPERPLASIA ] TGLs = 1-5,6			
Note: [ ALV BRON ADEN ] TGLs = 2-15			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mandibular	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Mild
[ Hyperplasia TGLS = 3-2 ]			
Mammary Gland		Hyperplasia	Cystic, Mild
Pituitary Gland		Cyst	
Note: [ CYST ] TGLs = 5-14			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 133

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 863

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Focal, Marked
	Medulla	Hyperplasia	Marked
Note: [ HYPERPLASIA ] TGLs = 4-14			
Bone Marrow		Necrosis	Focal, Marked
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney		Lipoma	
		Nephropathy	Moderate
Note: [ LIPOMA ] TGLs = 5-15			
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Lung	Interstitialium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 6-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
[ Hyperplasia TGLS = 7-2 ]			
Mammary Gland		Adenoma	
Note: ADENOMA SLIDE 17,PART OF LEG MASS			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 8-14			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 133

**TRT#:** 5

**DOSE:** 6 MG/M3

**SEX:** Female

**DISP:** Terminal Sacrifice

**DAY ON TEST:** 863

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Skeletal Muscle

Note: [ LIPOSARC ] TGLs = 2-17

Liposarcoma

Skin

Note: [ KERATOACANTHMA ] TGLs = 1-16

Keratoacanthoma

Spleen

Note: [ LEUKEMIA MONUC ] TGLs = 3-3

Leukemia Mononuclear

Uterus

Lamina Propria

Fibrosis

Minimal

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**PRIMARY CAUSE OF DEATH**

-

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 134

TRT#: 11

SEX: Female

DAY ON TEST: 556

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus  
Uterus

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

Bone  
Esophagus  
Intestine Small - Duodenum  
Larynx  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

OBSERVATIONS

Heart  
Kidney  
Liver  
Lung

Bile Duct  
Interstitialium  
Alveolar Epith  
Peribronchial

Cardiomyopathy  
Nephropathy  
Hyperplasia  
Fibrosis  
Hyperplasia  
Hyperplasia  
Inflammation

Minimal  
Minimal  
Minimal  
Focal, Minimal  
Minimal  
Histiocytic, Minimal  
Granulomatous, Minimal

Note: [ INFLAMMATION ] TGLs = 2-5,6

Lymph Node

Bronchial  
Mediastinal

Hyperplasia  
Hyperplasia

Histiocytic, Mild  
Histiocytic, Mild

Note: [ HYPERPLASIA ] TGLs = 1,3-2

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 135

TRT#: 11

SEX: Female

DAY ON TEST: 739

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Lymph Node - Mandibular	Thymus
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OBSERVATIONS

Adrenal Gland	Cortex Bilateral, Medulla	Degeneration Pheochromocytoma Benign	Fatty, Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	Minimal
Lung	Alveolar Epith	Hyperplasia Inflammation	Minimal Granulomatous, Mild
Note: [ HYPERPLASIA ] TGLs = 2-6			
Lymph Node	Bronchial Mediastinal	Hyperplasia Hyperplasia	Histiocytic, Mild Histiocytic, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 3-14			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 136

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 863

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Nose	Parathyroid Gland
Salivary Glands	Skin	Thymus	Trachea

MISSING

Ovary	Urinary Bladder	Uterus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
Bone Marrow		Myelofibrosis	Moderate
Harderian Gland		Inflammation	Minimal
Note: MISTAKEN AS LACRIMAL GLAND AT GROSS			
Note: [ INFLAMMATION ] TGLs = 5-16			
Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
Kidney		Nephropathy	Marked
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Lung	Interstitium	Fibrosis	Focal, Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 3-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Bronchial	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
Note: [ FIBROADENOMA ] TGLs = 1-15			
Pancreas		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 136

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 863

**DOSE:** 6 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ ADENOMA ] TGLs = 4-14

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 2-3

Stomach

Forestomach

Leukemia Mononuclear

Glandular

Leukemia Mononuclear

Thyroid Gland

C Cell

Hyperplasia

Moderate

Leukemia Mononuclear

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 137

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 557

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Nose  
Pituitary Gland  
Stomach - Glandular

Bone  
Esophagus  
Intestine Small - Duodenum  
Larynx  
Ovary  
Salivary Glands  
Thymus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thyroid Gland

MISSING

Lymph Node - Mandibular

Urinary Bladder

OBSERVATIONS

Heart  
Kidney  
Liver

Cardiomyopathy  
Nephropathy  
Basophilic Focus  
Fatty Change  
Hyperplasia  
Inflammation

Minimal  
Minimal  
Minimal  
Minimal  
Minimal  
Granulomatous, Minimal

Lung

Alveolar Epith

Hyperplasia  
Hyperplasia

Histiocytic, Mild  
Histiocytic, Moderate

Note: [ INFLAMMATION ] TGLs = 3-5,6

Lymph Node

Bronchial  
Mediastinal

Note: [ HYPERPLASIA ] TGLs = 2-2

Spleen

Hematopoietic Cell Proliferation

Mild

Uterus

Lamina Propria

Fibrosis  
Sarcoma Stromal

Minimal

[ Fibrosis TGLS = 1-15 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 138

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 799

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Thymus	Trachea
Urinary Bladder			

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Ileum
-------------------------	-------------------------

INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Adrenal Gland Note: [ HYPERPLASIA ] TGLs = 3-14	Cortex	Hyperplasia	Focal, Moderate
Heart Note: SEPTIC W/ INFLAMATION	Myocardium	Cardiomyopathy Embolus	Minimal Moderate
Kidney Note: [ NEPHROPATHY ] TGLs = 2-3 Note: SEPTIC W/ INFLAMMATION		Embolus Nephropathy	Multiple, Moderate Moderate
Liver Note: [ DEGEN ] TGLs = 1-4	Centrilobular Bile Duct	Degeneration Fatty Change Hyperplasia	Marked Mild Mild
Lung Note: [ INFLAMMATION ] TGLs = 4-5,6	Interstitial	Fibrosis Inflammation	Focal, Minimal Granulomatous, Minimal
Lymph Node	Bronchial Mediastinal	Hyperplasia Hyperplasia	Histiocytic, Mild Histiocytic, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 138

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 799

**DOSE:** 6 MG/M3

**DISP:** Natural Death

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 6-2			
Note: [ HYPERPLASIA ] TGLs = 5-2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA BASED OF ANAPLASIA [ Adenoma TGLS = 8-14 ]			
Stomach	Glandular	Ulcer	Minimal
Note: [ ULCER ] TGLs = 9-16			
Thyroid Gland	C Cell	Hyperplasia	Minimal
Tongue		Squamous Cell Papilloma	
[ Squamous Cell Papilloma TGLS = 7-15 ]			
Uterus	Lamina Propria	Fibrosis	Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 139

TRT#: 11

SEX: Female

DAY ON TEST: 194

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Ovary  
Skin  
Thymus  
Uterus

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mesenteric  
Pancreas  
Spleen  
Thyroid Gland

Bone  
Heart  
Intestine Small - Ileum  
Larynx  
Mammary Gland  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Liver  
Nose  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

**MISSING**

Clitoral Gland                      Parathyroid Gland

**PRESENT BUT NOT EXAMINED**

Eye                                      Tongue

**OBSERVATIONS**

Intestine Large Note: PARASITE IS SYPHACIA	Cecum	Parasite Metazoan	Minimal
Lung	Alveolar Epith Peribronchial	Hyperplasia Hyperplasia Inflammation	Minimal Histiocytic, Minimal Granulomatous, Mild
Lymph Node	Bronchial Mediastinal	Hyperplasia Hyperplasia	Histiocytic, Mild Histiocytic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 140

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 863

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Larynx	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Note: [ PHEOCHROM BGN ] TGLs = 6-14			
Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Minimal
Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 8-3			
Intestine Large	Cecum	Parasite Metazoan	
Islets, Pancreatic		Adenoma	
Note: [ ADENOMA ] TGLs = 4-7			
Kidney		Leukemia Mononuclear	
		Nephropathy	Mild
Note: [ LEUKEMIA MONUC ] TGLs = 8-3			
Liver		Eosinophilic Focus	Minimal
		Hepatocellular Carcinoma	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-4			
Note: [ HEPATOCLR CARC ] TGLs = 12-17,14-4			
Lung		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
Note: LEUK. INFILTRATE OBLITERATES TISSUES			
Note: [ LEUKEMIA MONUC ] TGLs = 9-5,6			
Lymph Node	Bronchial	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 140

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 863

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Mandibular

Leukemia Mononuclear

Mediastinal

Leukemia Mononuclear

Mesenteric

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 2,10-2,10

Mammary Gland

Adenoma

[ Adenoma TGLS = 1-16 ]

Pancreas

Leukemia Mononuclear

Pituitary Gland

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 13-14

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 11-15

Note: [ LEUKEMIA MONUC ] TGLs = 3-3

Stomach

Forestomach

Leukemia Mononuclear

Thymus

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 7-2

Uterus

Lamina Propria

Fibrosis

Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 141

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 668

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Larynx	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
	Medulla	Hyperplasia	Minimal
Harderian Gl			
Note: MISTAKEN FOR LACRIMAL AT GROSS			
Heart		Cardiomyopathy	Minimal
	Myocardium	Mineralization	Minimal
Kidney		Nephropathy	Moderate
Liver	Centrilobular	Atrophy	Moderate
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Moderate
Lung	Interstitium	Fibrosis	Focal, Minimal
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 3-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Moderate
	Mesenteric	Leukemia Mononuclear	
Note: [ HYPERPLASIA ] TGLs = 2-2			
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-3 ]			
Uterus	Lamina Propria	Fibrosis	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 142

TRT#: 11

SEX: Female

DAY ON TEST: 739

DOSE: 6 MG/M3 LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Larynx
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

INSUFFICIENT TISSUE

Clitoral Gland	Islets, Pancreatic
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OBSERVATIONS

Bone Marrow		Hyperplasia	Histiocytic, Mild
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Chronic, Mild
Note: [ INFLAMMATION ] TGLs = 3-15			
Lung	Interstitial	Fibrosis	Focal, Mild
	Interstitial	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 2-6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mandibular	Hyperplasia	Lymphoid, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 143

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 798

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Clitoral Gland
Esophagus	Harderian Gland	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Nose	Ovary	Pancreas	Salivary Glands
Skin	Stomach - Forestomach	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

AUTO PRECLUDES DIAG.

Bone Marrow	Intestine Large - Cecum	Intestine Small - Ileum
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Harderian GI			
Note: MISTAKEN FOR LACRIMAL AT GROSS			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 5-3			
Liver	Centrilobular	Basophilic Focus	Minimal
		Degeneration	Marked
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: [ DEGEN ] TGLs = 4-4			
Lung	Interstitium	Fibrosis	Focal, Marked
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 6-5,6			
Note: [ HYPERPLASIA ] TGLs = 8-15			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 143

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 798

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [ HYPERPLASIA ] TGLs = 7-2			
Note: [ LEUKEMIA MONUC ] TGLs = 10-15			
Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-15 ]			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 9-14			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-3			
Stomach	Glandular	Inflammation	Mild
Note: [ INFLAMMATION ] TGLs = 3-7			
Uterus	Lamina Propria	Fibrosis	Minimal
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 144

TRT#: 5

DOSE: 6 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 786

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Small - Ileum
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OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 3-3			
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Mild
Lung	Interstitial	Fibrosis	Focal, Minimal
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 6-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Minimal
	Mediastinal	Hyperplasia	Histiocytic, Mild
	Mediastinal	Inflammation	Suppurative, Moderate
Note: [ HYPERPLASIA ] TGLs = 4-2			
Note: [ HYPERPLASIA ] TGLs = 5-2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 7-14			
Stomach	Forestomach	Ulcer	Marked
Note: CHRONIC W/ HYPERKERATOSIS			
Note: [ ULCER ] TGLs = 1-7,15			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 144

**TRT#:** 5

**SEX:** Female

**DAY ON TEST:** 786

**DOSE:** 6 MG/M3

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Uterus	Lamina Propria	Fibrosis	Minimal
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 157

TRT#: 6

SEX: Female

DAY ON TEST: 828

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Ovary	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Marked
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Minimal
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Minimal
		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung		Alveolar/Bronchiolar Adenoma	
		Alveolar/Bronchiolar Carcinoma	
	Interstitialium	Fibrosis	Focal, Moderate
	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Granulomatous, Marked

Note: [ HYPERPLASIA ] TGLs = 8-5

Note: [ INFLAMMATION ] TGLs = 5-5,6,15

Note: MALIGNANCY BASED ON ANAPLASIA & INVASION, AIRWAY

Note: MALIGNANCY BASED ON ANAPLASIA & PLEURAL INVASION

Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild

Note: [ HYPERPLASIA ] TGLs = 4-2

Note: [ HYPERPLASIA ] TGLs = 3-2

Mammary Gland		Fibroadenoma	
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\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:03

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 157

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 828

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Fibroadenoma TGLS = 1,2-16 ]

Nose	Mucosa	Inflammation	Suppurative, Moderate
Note: FOREIGN BODY PRESENT			
Pancreas	Lobules	Atrophy	Minimal
Thyroid Gland	C Cell	Adenoma	

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:03

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 158

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 862

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Mammary Gland	Nose	Ovary
Pancreas	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Malignant	
Note: [ PHEOCHROM MAL ] TGLs = 2-14			
Note: MALIGNANT BASED ON INVASION CAPSULE & VESSELS			
Bone Marrow		Leukemia Mononuclear	
		Myelofibrosis	Moderate
Clitoral Gland		Inflammation	Minimal
Heart		Cardiomyopathy	Minimal
Kidney		Leukemia Mononuclear	
		Nephropathy	Marked
Note: [ LEUKEMIA MONUC ] TGLs = 3-3			
Liver		Basophilic Focus	Marked
		Eosinophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Note: [ BASOPH FOCUS ] TGLs = 5-15			
Lung	Interstitial	Fibrosis	Focal, Minimal
		Hyperplasia	Adenomatous, Diffuse, Minimal
		Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-5,6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 158

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 862

**DOSE:** 18 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: LEUKEMIA CONFOUNDS LESION GRADING

Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
	Mediastinal	Hyperplasia	Histiocytic, Marked
	Bronchial	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 1-3			
Urinary Bladder		Leukemia Mononuclear	
Uterus	Lamina Propria	Fibrosis	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 159

TRT#: 12

SEX: Female

DAY ON TEST: 192

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus  
Uterus

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Kidney  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

Bone  
Heart  
Intestine Small - Ileum  
Larynx  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Liver  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

PRESENT BUT NOT EXAMINED

Eye  
Tongue

OBSERVATIONS

Bone Marrow Note: FOCI MAY REPRESENT GRANULOMA AS THEY Note: APPEAR TO HAVE AN INFLAMMATORY ELEMENT		Hyperplasia	Histiocytic, Mild
Intestine Large Note: PARASITE IS SYPHACIA	Cecum	Parasite Metazoan	Moderate
Lung  Note: LESIONS APPEAR TO BE EARLY GRANULOMA Note: MACROPHAGES CONTAINING REFRACTING PARTICLES Note: SOME HAVE POLYS AND LYMPHOCYTES MIXED WITH	Alveolar Epith Peribronchial	Hyperplasia Hyperplasia Inflammation	Minimal Histiocytic, Minimal Granulomatous, Moderate
Lymph Node  Note: [ HYPERPLASIA ] TGLs = 2-2 Note: [ CONGESTION ] TGLs = 1-10 Note: LARGE FOAMY MACROPHAGES REFRACTING PARTICLES Note: HISTIOCYTIC FOCI CONTAIN REFRACTING PARTICLES	Mandibular Mediastinal	Congestion Hyperplasia	Moderate Histiocytic, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:04  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

---

**ANIMAL ID:** 159

**TRT#:** 12

**SEX:** Female

**DAY ON TEST:** 192

**DOSE:** 18 MG/M3LUNG TOX

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 160

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 710

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Small - Ileum  
Mammary Gland  
Skin  
Trachea

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Pancreas  
Stomach - Forestomach  
Urinary Bladder

Brain  
Intestine Large - Rectum  
Islets, Pancreatic  
Parathyroid Gland  
Stomach - Glandular  
Uterus

Clitoral Gland  
Intestine Small - Duodenum  
Larynx  
Salivary Glands  
Thyroid Gland

AUTO PRECLUDES DIAG.

Nose

OBSERVATIONS

Adrenal Gland

Medulla  
Bilateral, Medulla

Leukemia Mononuclear  
Pheochromocytoma Benign

Bone

Hyperostosis

Heart

Cardiomyopathy

Minimal

Intestine Large

Cecum

Parasite Metazoan

Kidney

Nephropathy

Minimal

Liver

Centrilobular

Atrophy

Moderate

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 4-4

Lung

Interstitialium  
Alveolar Epith

Cyst

Fibrosis

Focal, Minimal

Hyperplasia

Minimal

Inflammation

Granulomatous, Marked

Leukemia Mononuclear

Note: [ CYST ] TGLs = 10-15

Note: [ INFLAMMATION ] TGLs = 7-5,6

Note: CYST IS SQUAMOUS

Lymph Node

Bronchial  
Mediastinal  
Bronchial  
Mandibular

Hyperplasia

Histiocytic, Mild

Hyperplasia

Histiocytic, Mild

Leukemia Mononuclear

Leukemia Mononuclear

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 160

TRT#: 6

SEX: Female

DAY ON TEST: 710

DOSE: 18 MG/M3

DISP: Natural Death

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

Mediastinal

Leukemia Mononuclear

Mesenteric

Leukemia Mononuclear

Pancreatic

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 1-10

Note: [ LEUKEMIA MONUC ] TGLs = 5-2

Note: [ LEUKEMIA MONUC ] TGLs = 3-8

Note: [ LEUKEMIA MONUC ] TGLs = 8-2

Ovary

Leukemia Mononuclear

Pituitary Gland

Pars Distalis

Hyperplasia

Mild

Note: [ HYPERPLASIA ] TGLs = 9-14

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 2-3

Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 162

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 822

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Clitoral Gland	Esophagus
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Medulla	Pheochromocytoma Malignant	
Note: MALIGNANCY BASED ON VESSEL INVASION			
Bone		Fibrous Osteodystrophy	
Brain		Compression	
Note: [ COMPRESSION ] TGLs = 8-1			
Note: HEMORRHAGE IS ASSOCIATED			
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	
	Colon	Parasite Metazoan	
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 2-3			
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
		Necrosis	Focal, Mild
Lung		Cyst	
	Interstitialium	Fibrosis	Focal, Marked
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Marked
	Alveolus	Metaplasia	Squamous, Minimal
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Note: [ CYST ] TGLs = 6-6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 162

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 822

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: SQUAMOUS			
Lymph Node	Bronchial Mediastinal	Hyperplasia Hyperplasia	Histiocytic, Marked Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 7-2 [ Hyperplasia TGLS = 3-2 ]			
Mammary Gland		Adenocarcinoma	
Note: [ ADENOCARC ] TGLs = 1-15 Note: MALIGNANCY BASED ON ANAPLASIA			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 9-14			
Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 163

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 862

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

MISSING

Lymph Node - Mesenteric

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Parasite Metazoan	
Kidney		Nephropathy	Moderate
Liver		Eosinophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Hyperplasia	Histiocytic, Mild
		Inflammation	Granulomatous, Moderate
Note: [ INFLAMMATION ] TGLs = 1-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Marked
[ Hyperplasia TGLS = 2-2 ]			
Pancreas	Lobules	Atrophy	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 3-14			
Uterus	Lamina Propria	Fibrosis	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 164

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 823

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Clitoral Gland	Parathyroid Gland
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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		

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
[ Nephropathy TGLS = 2-3 ]			
Liver	Centrilobular	Atrophy	Mild
	Bile Duct	Hyperplasia	Mild
Lung		Alveolar/Bronchiolar Adenoma	
	Interstitial	Fibrosis	Focal, Moderate
	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Granulomatous, Moderate
Note: [ ALV BRON ADEN ] TGLs = 7-17			
Note: EPITHELIUM IS SLOUGHED-AUTOLYSIS, EPITHEL, ANAPLASTIC			
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
	Mediastinal	Hyperplasia	Histiocytic, Marked
Note: [ HYPERPLASIA ] TGLs = 4-2			
Note: [ HYPERPLASIA ] TGLs = 3-2			
Mammary Gland		Fibrosarcoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

---

**ANIMAL ID:** 164

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 823

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: MALIGNANCY BASED ON ANAPLASIA & INVASION OF MUSCLE

Note: [ FIBROSARC ] TGLs = 1-15,16

Pituitary Gland

Pars Distalis

Adenoma

Note: [ ADENOMA ] TGLs = 6-14

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 165

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 857

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Skin	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Hyperplasia	Mild
Brain		Compression	
Harderian Gl			
Note: MISTAKENLY NOTED AS LACRIMAL AT GROSS			
Heart	Myocardium	Cardiomyopathy	Minimal
		Mineralization	Minimal
Kidney		Nephropathy	Mild
Liver		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Neoplastic Nodule	
Lung		Cyst	
	Interstitial	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Moderate
	Alveolus	Metaplasia	Squamous, Minimal
Note: SQUAMOUS			
Note: [ CYST ] TGLs = 5-5			
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
	Mediastinal	Inflammation	Chronic Active, Mild
Note: [ INFLAMMATION ] TGLs = 3-2			
Nose	Mucosa	Inflammation	Suppurative, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 165

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 857

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Pituitary Gland

Pars Distalis

Adenoma

Note: [ ADENOMA ] TGLs = 6-14

Salivary Glands

Fibrosarcoma

Note: [ FIBROSARC ] TGLs = 1-10

Spleen

Hematopoietic Cell Proliferation

Moderate

Stomach

Glandular

Ulcer

Moderate

Thymus

Schwannoma Benign

Note: EXPANSILE GROWTH

Note: [ SCHWANNOMA BGN ] TGLs = 2-2

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 166

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 862

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Bone		Hyperostosis	
Note: [ HYPEROSTOSIS ] TGLs = 7-11			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	Moderate
		Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Minimal
Note: [ DEGEN ] TGLs = 6-17			
Lung		Alveolar/Bronchiolar Adenoma	
	Interstitial	Fibrosis	Focal, Moderate
	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Granulomatous, Moderate
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Note: [ HYPERPLASIA ] TGLs = 4-16			
Note: CELLULAR ATYPIA & ANAPLASIA=MALIGNANCY			
Note: [ FIBROSIS ] TGLs = 4-16			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
	Mediastinal	Hyperplasia	Histiocytic, Moderate
[ Hyperplasia TGLS = 2-2 ]			
Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-15 ]			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 166

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 862

**DOSE:** 18 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Thyroid Gland

C Cell

Adenoma

Uterus

Lamina Propria

Fibrosis

Mild

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 167

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 536

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Parathyroid Gland

OBSERVATIONS

Brain		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 4-1		
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Mild
		Fatty Change	Mild
		Leukemia Mononuclear	
Lung	Interstitial	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Mild
	Peribronchial	Hyperplasia	Histiocytic, Mild
		Inflammation	Granulomatous, Moderate
Note: [ INFLAMMATION ]	TGLs = 3-5,6		
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
	Mediastinal	Leukemia Mononuclear	
Note: [ HYPERPLASIA ]	TGLs = 2-2		
Pituitary Gland	Pars Distalis	Necrosis	Moderate
Note: [ NECROSIS ]	TGLs = 5-14		
Spleen		Leukemia Mononuclear	
[ Leukemia Mononuclear TGLS = 1-3 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:04  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 167

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 536

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 168

TRT#: 12

SEX: Female

DAY ON TEST: 556

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Pancreas  
Spleen  
Thyroid Gland

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

Bone  
Heart  
Intestine Small - Duodenum  
Larynx  
Nose  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Bronchial  
Ovary  
Skin  
Thymus  
Uterus

MISSING

Esophagus

OBSERVATIONS

Kidney  
Liver  
Lung

Bile Duct  
Interstitialium  
Alveolar Epith  
Peribronchial

Nephropathy  
Hyperplasia  
Fibrosis  
Hyperplasia  
Hyperplasia  
Inflammation

Mild  
Minimal  
Focal, Mild  
Minimal  
Histiocytic, Minimal  
Granulomatous, Mild

Note: [ INFLAMMATION ] TGLs = 4-5,6

Lymph Node

[ Congestion TGLS = 2-2 ]

Mammary Gland

Note: [ FIBROADENOMA ] TGLs = 1-15

Pituitary Gland

Note: [ ADENOMA ] TGLs = 5-14

Mediastinal

Pars Distalis

Congestion

Fibroadenoma

Adenoma

Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 181

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 739

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

AUTO PRECLUDES DIAG.

Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Brain		Compression	
Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Parasite Metazoan	
Kidney		Nephropathy	Mild
Liver	Centrilobular	Atrophy	Minimal
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Lung	Interstitial	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
Note: MAST CELLS IN LESIONS			
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Marked
Note: [ HYPERPLASIA ] TGLs = 3-2			
Note: [ HYPERPLASIA ] TGLs = 4-2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 6-14			
Spleen	Capsule	Hemorrhage	Marked
		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:04  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 181

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 739

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Note: HEMORRHAGE DUE TO RUPTURE OF CAPSULE

Note: [ HEMORRHAGE ] TGLs = 2-15

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 182

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 862

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
[ Pheochromocytoma Benign TGLS = 2-14 ]			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
	Interstitial	Fibrosis	Focal, Moderate
	Alveolar Epith	Hyperplasia	Moderate
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Marked
	Alveolus	Metaplasia	Squamous, Minimal
Note: [ HYPERPLASIA ] TGLs = 5-6			
Note: MALIGNANCY BASED ON ANAPLASIA & MITOTIC FIGURES			
Note: [ ALV BRON CARC ] TGLs = 7-16			
Note: [ INFLAMMATION ] TGLs = 6-5,6			
Note: SLIDE#6 NODULE=MARKED HYPERPLASIA,METAPLASIA,INFLAMMATION			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 3-2			
Note: [ HYPERPLASIA ] TGLs = 4-2			
Mammary Gland		Fibroadenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

---

**ANIMAL ID:** 182

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 862

**DOSE:** 18 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ FIBROADENOMA ] TGLs = 1-15

Uterus

Lamina Propria

Fibrosis

Minimal

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 183

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 615

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Thymus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Minimal
Kidney		Infarct	Multiple, Marked
[ Infarct TGLS = 6,7-3,15 ]			
Liver	Centrilobular	Degeneration	Marked
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Moderate
Note: [ DEGEN ] TGLs = 2-4			
Lung	Interstitial	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 3-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
	Mediastinal	Hyperplasia	Histiocytic, Minimal
	Mesenteric	Leukemia Mononuclear	
Note: [ HYPERPLASIA ] TGLs = 5-2			
Note: [ HYPERPLASIA ] TGLs = 4-2			
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:04  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 183

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 615

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ LEUKEMIA MONUC ] TGLs = 1-3

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 186

TRT#: 6

SEX: Female

DAY ON TEST: 661

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Stomach - Glandular  
Urinary Bladder

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Larynx  
Nose  
Salivary Glands  
Thyroid Gland

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Adrenal Gland  
Kidney  
Liver

Medulla

Hyperplasia  
Nephropathy  
Basophilic Focus  
Fatty Change

Moderate  
Mild  
Minimal  
Mild

Lung

Bile Duct  
Interstitial  
Alveolar Epith

Hyperplasia  
Fibrosis  
Hyperplasia  
Inflammation

Minimal  
Focal, Minimal  
Minimal  
Granulomatous, Moderate

Note: [ INFLAMMATION ] TGLs = 4-5,6

Lymph Node

Mediastinal  
Bronchial  
Mediastinal

Fibrosarcoma  
Hyperplasia  
Hyperplasia

Metastatic (Skin)  
Histiocytic, Mild  
Histiocytic, Mild

Note: [ FIBROSARC ] TGLs = 2-2

Note: [ HYPERPLASIA ] TGLs = 3-2

Pituitary Gland

Pars Distalis

Hyperplasia

Moderate

[ Hyperplasia TGLS = 5-14 ]

Skin

Subcut Tiss

Fibrosarcoma

Note: MALIGNANCY BASED ON ANAPLASIA & MUSCLE INVASION

[ Fibrosarcoma TGLS = 1-15 ]

Spleen

Hematopoietic Cell Proliferation

Moderate

Uterus

Lamina Propria

Fibrosis

Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:04  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 186

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 661

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 187

TRT#: 12

SEX: Female

DAY ON TEST: 556

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Esophagus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Kidney		Nephropathy	Minimal
Lung	Interstitial	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Minimal
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 2,3-2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 5-14			
Note: [ ADENOMA ] TGLs = 5-14			
Uterus		Polyp Stromal	
Note: [ POLYP STROMAL ] TGLs = 1-15			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 188

TRT#: 12

SEX: Female

DAY ON TEST: 333

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO: 50791188

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Esophagus  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus  
Uterus

Bone Marrow  
Heart  
Intestine Small - Ileum  
Larynx  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Liver  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Intestine Large  
Lung

Cecum  
Interstitialium  
Alveolar Epith

Parasite Metazoan  
Fibrosis  
Hyperplasia  
Inflammation  
Hyperplasia  
Hyperplasia

Minimal  
Focal, Minimal  
Mild  
Granulomatous, Moderate  
Histiocytic, Moderate  
Histiocytic, Moderate

Lymph Node

Bronchial  
Mediastinal

Note: [ HYPERPLASIA ] TGLs = 3-2.4-2

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 189

TRT#: 6

SEX: Female

DAY ON TEST: 697

DOSE: 18 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Lymph Node - Bronchial

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Note: MALIGNANCY BASED ON VESSEL INVASION			
Heart	Atrium	Cardiomyopathy	Minimal
	[ Cardiomyopathy TGLS = 3-3 ]	Thrombosis	
Kidney		Nephropathy	Mild
Liver	Centrilobular	Degeneration	Marked
		Eosinophilic Focus	Minimal
		Fatty Change	Mild
Lung	Bile Duct	Hyperplasia	Moderate
	Interstitial	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Lymph Node	Mediastinal	Hyperplasia	Histiocytic, Minimal
Pancreas	Lobules	Atrophy	Minimal
Spleen		Hematopoietic Cell Proliferation	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 189

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 697

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ HEMA CELL PROL ] TGLs = 1-3

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 190

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 841

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Ovary  
Thymus

Bone  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mandibular  
Pancreas  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mesenteric  
Salivary Glands

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Mammary Gland  
Skin

MISSING

Stomach - Forestomach

OBSERVATIONS

Adrenal Gland

Medulla  
Medulla

Pheochromocytoma Benign  
Pheochromocytoma Malignant

Note: MALIGNANCY BASED ON VESSEL INVASION

Blood Vessel

Aorta  
Mesent Artery

Mineralization  
Mineralization

Moderate  
Moderate

Heart

Myocardium

Cardiomyopathy  
Mineralization

Minimal  
Marked

Note: [ MINERALIZATION ] TGLs = 3-3

Kidney

Note: [ NEPHROPATHY ] TGLs = 1-3

Nephropathy

Marked

Larynx

Liver

Bile Duct

Inflammation  
Basophilic Focus

Necrotizing, Moderate  
Mild

Lung

Interstitium  
Alveolar Epith

Hyperplasia  
Inflammation

Minimal  
Granulomatous, Focal, Mild

Alveolus  
Interstitium

Cyst  
Fibrosis  
Hyperplasia  
Inflammation  
Metaplasia  
Mineralization

Multiple  
Focal, Mild  
Mild  
Granulomatous, Marked  
Squamous, Minimal  
Moderate

Note: [ CYST ] TGLs = 6-5,15

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 190

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 841

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ CYST ] TGLs = 7-15

Note: CYST=SQUAMOUS

Note: SQUAMOUS METAPLASIA ADJACENT TO CYSTS

Note: MINERALIZATION ADDS TO INFLAMMATION

Note: [ INFLAMMATION ] TGLs = 8-5,6,15

Lymph Node	Bronchial Mediastinal	Hyperplasia Hyperplasia	Histiocytic, Mild Histiocytic, Mild
Nose	Respirat Epith	Hyperplasia	Mild
Parathyroid Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Spleen		Hematopoietic Cell Proliferation	Mild
Stomach	Glandular	Mineralization	Mild
Thyroid Gland	C Cell	Hyperplasia	Mild
Trachea		Inflammation	Necrotizing, Moderate
Uterus	Lamina Propria	Fibrosis	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 191

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 841

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Malignant	
Note: MALIGNANCY BASED ON ANAPLASIA & CAPSULE & VESSEL INVASION			
Note: [ PHEOCHROM MAL ] TGLs = 5-14			
Bone Marrow		Myelofibrosis	Mild
Eye		Cataract	Moderate
	Retina	Degeneration	Marked
[ Cataract TGLS = 12-19 ]			
Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
		Nephropathy	Moderate
Kidney			
Note: [ NEPHROPATHY ] TGLs = 6-3			
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Centrilobular	Necrosis	Moderate
Lung	Interstitial	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
	Alveolus	Metaplasia	Squamous, Minimal

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 191

TRT#: 6

SEX: Female

DAY ON TEST: 841

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Note: [ LEUKEMIA MONUC ] TGLs = 10-16

Note: [ LEUKEMIA MONUC ] TGLs = 9-15

Note: [ INFLAMMATION ] TGLs = 11-5,6

Lymph Node

Bronchial

Hyperplasia

Histiocytic, Mild

Mediastinal

Hyperplasia

Histiocytic, Mild

Bronchial

Leukemia Mononuclear

Mandibular

Leukemia Mononuclear

Mediastinal

Leukemia Mononuclear

Note: LEUKEMIA CONFOUNDS GRADING OF BRONCH.& MEDIAST. L.N.

Note: [ LEUKEMIA MONUC ] TGLs = 8-2

Note: [ LEUKEMIA MONUC ] TGLs = 7-2

Mammary Gland

Adenocarcinoma

Fibroadenoma

Note: [ FIBROADENOMA ] TGLs = 1,2-18

Note: PREDOMINANTLY FIBROUS

Note: MALIGNANCY BASED ON ANAPLASIA & INVASIVE GROWTH

[ Adenocarcinoma TGLS = 1,2-17 ]

Pituitary Gland

Pars Distalis

Adenoma

Note: [ ADENOMA ] TGLs = 13-14

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 4-3

Thymus

Leukemia Mononuclear

Thyroid GI

Note: THYROID TGL IS MONUC LEUKEMIA ADJACENT TO TRACHEA

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 192

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 746

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Lymph Node - Mandibular

AUTO PRECLUDES DIAG.

Intestine Large - Cecum Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
		Inflammation	Focal, Marked
Note: [ INFLAMMATION ] TGLs = 7-3			
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Marked
	Centrilobular	Necrosis	Minimal
Note: MUCH FIBROSIS ASSOC.W/ BILIARY HYPERPLASIA			
Note: TGL3 MASS NOT CIRCUMSCRIBED, HAS PORTAL TRIADS			
Note: [ BASOPH FOCUS ] TGLs = 3-15			
Lung	Interstitium	Fibrosis	Focal, Moderate
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 6-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 192

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 746

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Mediastinal

Hyperplasia

Histiocytic, Mild

Note: [ HYPERPLASIA ] TGLs = 5-2

Note: [ HYPERPLASIA ] TGLs = 4-2

Pancreas

Lobules

Atrophy

Moderate

Stomach

Forestomach

Ulcer

Moderate

[ Ulcer TGLS = 2-17 ]

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 205

TRT#: 6

SEX: Female

DAY ON TEST: 842

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Larynx	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla Cortex	Hyperplasia Hyperplasia	Marked Focal, Mild
Harderian Gland			
Note: MISTAKENLY NOTED AS LACRIMAL AT GROSS			
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 1-3			
Liver		Basophilic Focus Fatty Change	Mild Moderate
Lung	Interstitialium Alveolar Epith	Alveolar/Bronchiolar Adenoma Fibrosis Hyperplasia Inflammation	Focal, Mild Mild Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 3-5,6			
Note: MALIG. BASED ON GROWTH FILLING ALVEOLI & INVASION OF MED.			
Lymph Node	Bronchial Mediastinal Mesenteric	Hyperplasia Hyperplasia Hyperplasia	Histiocytic, Mild Histiocytic, Mild Lymphoid, Moderate
Note: [ HYPERPLASIA ] TGLs = 4-2			
Note: [ HYPERPLASIA ] TGLs = 5-2			
Note: LYMPHOID HYPER. IS NODULAR			
Pituitary Gland	Pars Distalis	Adenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 205

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 842

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Adenoma TGLS = 6-14 ]

Stomach	Forestomach	Ulcer	Marked
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Note: ULCER IS PERFORATING

Note: [ ULCER ] TGLs = 2-7

Uterus	Lamina Propria	Fibrosis	Minimal
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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 206

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 706

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Kidney	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Cortex	Granulosa-Theca Tumor Malignant	Metastatic (Ovary)
	Medulla	Granulosa-Theca Tumor Malignant	Metastatic (Ovary)
Heart		Granulosa-Theca Tumor Malignant	Metastatic (Ovary)
Liver	Centrilobular	Atrophy	Moderate
		Granulosa-Theca Tumor Malignant	Metastatic (Ovary)
	Bile Duct	Hyperplasia	Minimal
Note: [ GRAN THECA MAL ] TGLs = 2,3,4,5-4,16			
Lung	Interstitium	Fibrosis	Focal, Mild
		Granulosa-Theca Tumor Malignant	Metastatic (Ovary)
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Moderate
		Squamous Cell Carcinoma	
Note: [ INFLAMMATION ] TGLs = 8-5,6			
Note: [ SQUAM CEL CARC ] TGLs = 9-6,15			
Lymph Node	Mediastinal	Granulosa-Theca Tumor Malignant	Metastatic (Ovary)
	Bronchial	Squamous Cell Carcinoma	Metastatic (Lung)
Note: [ SQUAM CEL CARC ] TGLs = 7-2			
Note: [ GRAN THECA MAL ] TGLs = 6-2			
Ovary	Bilateral	Granulosa-Theca Tumor Malignant	
Note: SEE ALISON AND MORGAN ENVIR. HEALTH PERS. 73:91-106,1987			
Note: CORRESPONDS TO UNDIFF,SEX CORD-STROMAL TUMOR			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 206

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 706

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ GRAN THECA MAL ] TGLs = 1-9

Spleen

Hematopoietic Cell Proliferation

Moderate

Thyroid Gland

C Cell

Hyperplasia

Minimal

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 207

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 676

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Clitoral Gland
Esophagus	Harderian Gland	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Intestine Large - Cecum

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Brain		Carcinoma	Metastatic (Pituitary Gland)
Note: [ CARCINOMA ] TGLs = 8-1,15			
Note: LESION IS INVASION OF CEREBELLUM			
Harderian Gland			
Note: HARDERIAN GLAND MISTAKEN FOR LACRIMAL AT GROSS			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 1-3			
Liver		Basophilic Focus	Moderate
		Fatty Change	Minimal
Lung	Interstitialium	Fibrosis	Focal, Moderate
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Note: [ HYPERPLASIA ] TGLs = 6-5			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 3-2			
Note: [ HYPERPLASIA ] TGLs = 4-2			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 207

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 676

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Pituitary Gland

Pars Distalis

Carcinoma

Note: [ CARCINOMA ] TGLs = 7-14,1,15

Note: MALIGNANCY BASED ON INVASION OF CEREBELLUM,SLIDE 15

Thyroid Gland

C Cell

Carcinoma

Note: [ ADENOCARC ] TGLs = 2-2

Note: MALIGNANT BASED ON LOCAL INVASION

Uterus

Lamina Propria

Fibrosis

Mild

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 208

TRT#: 6

SEX: Female

DAY ON TEST: 684

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Nose
Ovary	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Trachea		

MISSING

Intestine Large - Rectum

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
	Medulla	Hyperplasia	Marked
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Kidney		Leukemia Mononuclear	
		Nephropathy	Minimal
Liver	Centrilobular	Degeneration	Moderate
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Inflammation	Granulomatous, Minimal
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 9-5,6			
Note: LEUKEMIA OBSCURES LESION GRADING			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
	Axillary	Leukemia Mononuclear	
	Bronchial	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 208

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 684

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Mesenteric

Leukemia Mononuclear

Pancreatic

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 2-10

Note: [ LEUKEMIA MONUC ] TGLs = 6-17

Note: [ LEUKEMIA MONUC ] TGLs = 7-2

Note: [ LEUKEMIA MONUC ] TGLs = 8-2

Note: [ LEUKEMIA MONUC ] TGLs = 3-16

Note: [ LEUKEMIA MONUC ] TGLs = 5-8

Mammary Gland

Fibroadenoma

Leukemia Mononuclear

[ Fibroadenoma TGLS = 1-15 ]

Pancreas

Leukemia Mononuclear

Pituitary Gland

Pars Distalis

Hyperplasia

Moderate

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 10-14

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 4-3

Stomach

Glandular

Leukemia Mononuclear

Thymus

Leukemia Mononuclear

Thyroid Gland

C Cell

Adenoma

Urinary Bladder

Leukemia Mononuclear

Uterus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 209

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 773

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	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	Larynx	Lymph Node - Mandibular
Mammary Gland	Nose	Ovary	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Leukemia Mononuclear	
Bone Marrow		Leukemia Mononuclear	
Harderian GI			
Note: MISTAKENLY NOTED AS LACRIMAL AT GROSS			
Kidney		Nephropathy	Mild
Liver	Centrilobular	Degeneration	Marked
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [ DEGEN ] TGLs = 3-4			
Lung		Cyst	Multiple
	Interstitialium	Fibrosis	Focal, Marked
	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Granulomatous, Moderate
Note: [ CYST ] TGLs = 7-15,8-6			
Note: CYSTS ARE SQUAMOUS			
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Mild
	Mesenteric	Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 209

TRT#: 6

SEX: Female

DAY ON TEST: 773

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

Pancreatic

Leukemia Mononuclear

Note: [ HYPERPLASIA ] TGLs = 6-2

Note: [ LEUKEMIA MONUC ] TGLs = 2-10

Note: [ HYPERPLASIA ] TGLs = 5-2

Pancreas

Lobules

Atrophy

Minimal

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 1-3

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 210

TRT#: 12

SEX: Female

DAY ON TEST: 193

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Larynx	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	Zymbal's Gland

MISSING

Parathyroid Gland

PRESENT BUT NOT EXAMINED

Eye Tongue

OBSERVATIONS

Lung	Peribronchial	Hyperplasia Inflammation	Histiocytic, Minimal Granulomatous, Moderate
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Note: HISTIOCYTIC CLUSTERS WITH REFRACTING PARTICLES

Note: [ INFLAMMATION ] TGLs = 1-5

Note: MACROPHAGES CONTAIN REFRACTING PARTICLES

Note: ACUTE AND CHRONIC INFLAMMATORY CELLS

Note: PERIBRONCHIAL LYMPHOID TISSUE ALSO CONTAIN

Note: AND IN SOME AREAS LESION IS ACCOMPANIED BY

Lymph Node	Mediastinal	Hyperplasia	Histiocytic, Mild
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Note: [ HYPERPLASIA ] TGLs = 2-2

Note: HISTIOCYTIC FOCI CONTAIN FRFRINGENT PARTICLES

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 212

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 594

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Intestine Large - Rectum	Thymus
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Kidney		Nephropathy	Minimal
Liver		Atrophy	Moderate
Lung	Interstitialium	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Granulomatous, Moderate
Note: [ INFLAMMATION ] TGLs = 2-5,6 [ Fibrosis TGLS = 1-15 ]			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Pancreas	Lobules	Atrophy	Mild
Pharynx		Squamous Cell Carcinoma	

Note: MALIGNANCY BASED ON INVASION THRU HARD PALATE SLIDE#13

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 213

TRT#: 12

SEX: Female

DAY ON TEST: 739

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
Lung	Interstitial	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Mild
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
Note: [ INFLAMMATION ] TGLs = 1-6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 2,3-2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 5-14			
Uterus		Polyp Stromal	
Note: [ POLYP STROMAL ] TGLs = 4-15			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 215

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 835

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
	Medulla	Pheochromocytoma Malignant	
Note: MALIGNANCY BASED ON CAPSULE & VESSEL INVASION			
Note: [ PHEOCHROM MAL ] TGLs = 4-14			
[ Pheochromocytoma Benign TGLS = 5-14 ]			
Clitoral Gland		Adenoma	
Note: [ ADENOMA ] TGLs = 3-9			
Kidney		Nephropathy	Mild
Liver		Inflammation	Granulomatous, Focal, Minimal
Lung		Alveolar/Bronchiolar Adenoma	
	Interstitium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Marked
		Inflammation	Granulomatous, Moderate
Note: [ INFLAMMATION ] TGLs = 7,9-5,6,17			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 6-2			
Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1,2-15,16 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 215

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 835

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pituitary Gland

Pars Distalis

Adenoma

Note: [ ADENOMA ] TGLs = 8-14

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 216

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 586

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Larynx	Lymph Node - Mandibular	Mammary Gland	Nose
Ovary	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Stomach - Forestomach	Thymus	Trachea
Urinary Bladder	Uterus		

AUTO PRECLUDES DIAG.

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone Marrow	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Mesenteric
Pancreas	Thyroid Gland		

OBSERVATIONS

Heart		Cardiomyopathy	Minimal
Liver	Centrilobular	Degeneration Fatty Change	Marked Moderate
Note: [ DEGEN ] TGLs = 1-4			
Lung	Interstitial Alveolar Epith	Fibrosis Hyperplasia Inflammation Leukemia Mononuclear	Focal, Minimal Minimal Granulomatous, Moderate
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Note: AUTOLYSIS HAMPERS GRADING			
Lymph Node	Bronchial Mediastinal	Hyperplasia Hyperplasia	Histiocytic, Mild Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 2-2			
Note: [ HYPERPLASIA ] TGLs = 3-2			
Spleen		Leukemia Mononuclear	
Stomach	Glandular	Erosion	Marked
[ Erosion TGLS = 5-15 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 229

TRT#: 12

SEX: Female

DAY ON TEST: 556

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Heart	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Liver	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Esophagus	Parathyroid Gland
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INSUFFICIENT TISSUE

Thyroid Gland
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OBSERVATIONS

Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Minimal
Lung	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 2,3-2			
Mammary Gland		Adenoma	
Note: [ ADENOMA ] TGLs = 1-15			
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 230

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 646

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Larynx	Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Islets, Pancreatic		Adenoma	
[ Adenoma TGLS = 6-15 ]			
Kidney		Nephropathy	Minimal
Lung	Interstitialium	Fibrosis	Focal, Moderate
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 3-2			
Note: [ HYPERPLASIA ] TGLs = 4-2			
Spleen		Atrophy	Moderate
Note: [ ATROPHY ] TGLs = 2-3			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 231

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 854

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Intestine Small - Duodenum

Nose

Skin

Thymus

Bone

Intestine Small - Jejunum

Ovary

Spleen

Thyroid Gland

Bone Marrow

Islets, Pancreatic

Parathyroid Gland

Stomach - Forestomach

Trachea

Esophagus

Larynx

Salivary Glands

Stomach - Glandular

Urinary Bladder

MISSING

Clitoral Gland

Lymph Node - Mandibular

Lymph Node - Mediastinal

Lymph Node - Mesenteric

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland

Bilateral, Medulla

Pheochromocytoma Malignant

Note: MALIGNANCY BASED ON CAPSULE & VESSEL INVASION

Note: [ PHEOCHROM MAL ] TGLs = 2-14

Brain

Hemorrhage

Moderate

Heart

Cardiomyopathy

Mild

Kidney

Nephropathy

Mild

Liver

Basophilic Focus

Minimal

Bile Duct

Hyperplasia

Mild

Inflammation

Granulomatous, Focal, Minimal

Lung

Interstitial

Fibrosis

Focal, Moderate

Hemorrhage

Moderate

Alveolar Epith

Hyperplasia

Mild

Inflammation

Granulomatous, Mild

Note: [ HYPERPLASIA ] TGLs = 6-16

Note: [ HEMORRHAGE ] TGLs = 4-5,6

Lymph Node

Bronchial

Hyperplasia

Histiocytic, Moderate

Note: [ HYPERPLASIA ] TGLs = 3-2

Mammary Gland

Fibroadenoma

[ Fibroadenoma TGLS = 1-15 ]

Pancreas

Lobules

Atrophy

Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 231

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 854

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Pituitary Gland

Pars Distalis

Adenoma

Note: CYSTIC WITH HEMORRAGE

Note: [ ADENOMA ] TGLs = 5-14

Uterus

Lamina Propria

Fibrosis

Minimal

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 232

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 862

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mediastinal

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Malignant	
Note: [ PHEOCHROM MAL ] TGLs = 6-14			
Note: MALIGNANCY BASED ON VESSEL INVASION & SIZE			
Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Brain	White Matter	Necrosis	Focal, Moderate
Clitoral Gland		Carcinoma	
Note: BASED ON LOSS OF ARCHITECTURE IN CENTER OF NODULE			
[ Carcinoma TGLS = 2-15 ]			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lung		Alveolar/Bronchiolar Carcinoma	
	Interstitialium	Fibrosis	Moderate
	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Granulomatous, Marked
	Alveolus	Metaplasia	Squamous, Mild
Note: [ ALV BRON CARC ] TGLs = 9-17			
Note: MALIGNANCY BASED ON ANAPLASIA,SOLID GROW PATTERN			
Note: [ INFLAMMATION ] TGLs = 3-5,6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 232

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 862

**DOSE:** 18 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Lymph Node Note: [ HYPERPLASIA ] TGLs = 4-2	Bronchial	Hyperplasia	Histiocytic, Moderate
Mammary Gland [ Fibroadenoma TGLS = 1-16 ]		Fibroadenoma	
Pituitary Gland Note: [ CYST ] TGLs = 7-14		Cyst	Moderate
Uterus	Lamina Propria	Fibrosis	Minimal
PRIMARY CAUSE OF DEATH	-		

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 233

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 796

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex Medulla	Hyperplasia Pheochromocytoma Benign	Focal, Mild
Brain		Compression Hydrocephalus	Moderate
Note: [ HYDROCEPHALUS ] TGLs = 8-17			
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 1-3			
Liver		Basophilic Focus	Minimal
Lung	Interstitialium Alveolar Epith	Cyst Fibrosis Hyperplasia Inflammation	Focal, Moderate Mild Granulomatous, Moderate
Note: CYST IS SQUAMOUS			
Note: [ CYST ] TGLs = 3-15			
[ Inflammation TGLS = 4-5,6 ]			
Lymph Node	Bronchial Mediastinal	Hyperplasia Hyperplasia	Histiocytic, Moderate Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 5-2			
Note: [ HYPERPLASIA ] TGLs = 2-2			
Nose	Lumen	Foreign Body	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 233

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 796

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Pituitary Gland Note: [ ADENOMA ] TGLs = 6-14	Respirat Epith Mucosa Pars Distalis	Hyperplasia Inflammation Adenoma	Mild Suppurative, Mild
Stomach Note: [ HYPERKERATOSIS ] TGLs = 7-16	Forestomach	Hyperkeratosis	Moderate
Uterus	Lamina Propria	Fibrosis	Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 234

TRT#: 12

SEX: Female

DAY ON TEST: 333

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO: 50791234

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Liver	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

MISSING

Lymph Node - Mandibular	Parathyroid Gland
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OBSERVATIONS

Intestine Large	Cecum	Parasite Metazoan	Minimal
Lung	Interstitialium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Mild
	Peribronchial	Hyperplasia	Histiocytic, Mild
		Inflammation	Granulomatous, Moderate
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 1-2.2-2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 4-14			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 235

TRT#: 12

SEX: Female

DAY ON TEST: 739

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mediastinal	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder	Uterus		

MISSING

Lymph Node - Bronchial

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Fibrosis	Focal, Mild
	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic, Moderate
Lung	Interstitial	Fibrosis	Focal, Marked
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 1-6			
Lymph Node	Mandibular	Hyperplasia	Lymphoid, Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 3-14			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 236

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 717

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Jejunum  
Ovary  
Salivary Glands  
Thyroid Gland

Bone  
Intestine Large - Cecum  
Islets, Pancreatic  
Pancreas  
Skin  
Urinary Bladder

Brain  
Intestine Large - Colon  
Larynx  
Parathyroid Gland  
Stomach - Forestomach

Clitoral Gland  
Intestine Large - Rectum  
Mammary Gland  
Pituitary Gland  
Thymus

MISSING

Intestine Small - Duodenum

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland  
Bone Marrow  
Harderian Gland

Cortex  
Myeloid Cell

Hyperplasia  
Hyperplasia  
Inflammation

Focal, Mild  
Moderate  
Mild

Note: MISTAKENLY NOTED AS LACRIMAL AT GROSS

Note: [ INFLAMMATION ] TGLs = 8-15

Heart  
Kidney  
Liver

Renal Tubule  
Centrilobular

Cardiomyopathy  
Necrosis  
Atrophy  
Basophilic Focus

Minimal  
Marked  
Mild  
Minimal

Lung

Bile Duct  
Interstitialium  
Alveolar Epith  
Peribronchial

Hyperplasia  
Fibrosis  
Hyperplasia  
Hyperplasia  
Inflammation

Mild  
Focal, Minimal  
Minimal  
Histiocytic, Minimal  
Granulomatous, Mild

Note: [ INFLAMMATION ] TGLs = 7-5,6

Lymph Node

Bronchial  
Mediastinal  
Mandibular  
Mesenteric

Hyperplasia  
Hyperplasia  
Inflammation  
Inflammation

Histiocytic, Moderate  
Histiocytic, Mild  
Suppurative, Mild  
Granulomatous, Mild

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 236

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 717

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 6-2

Note: [ HYPERPLASIA ] TGLs = 5-2

Note: [ INFLAMMATION ] TGLs = 1-10

Nose	Mucosa	Inflammation	Suppurative, Marked
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: [ HEMA CELL PROL ] TGLs = 3-3			
Stomach	Glandular	Ulcer	Moderate
Trachea		Inflammation	Suppurative, Mild
Uterus		Cyst	
[ Cyst TGLS = 2-9 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 238

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 863

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Mandibular	Lymph Node - Mediastinal	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
[ Pheochromocytoma Benign TGLS = 2-14 ]			
Bone Marrow		Hyperplasia	Histiocytic, Marked
Brain		Compression	
Note: [ COMPRESSION ] TGLs = 6-1			
Eye		Cataract	Marked
	Retina	Degeneration	Marked
Note: [ CATARACT ] TGLs = 1-15			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	Moderate
	Bile Duct	Hyperplasia	Mild
Lung	Interstitial	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Mild
	Peribronchial	Hyperplasia	Histiocytic, Mild
		Inflammation	Granulomatous, Moderate
	Alveolus	Metaplasia	Squamous, Minimal
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
Note: [ HYPERPLASIA ] TGLs = 4-2			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 7-14 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 238

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 863

**DOSE:** 18 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Spleen

Hematopoietic Cell Proliferation

Moderate

Uterus

Lamina Propria

Fibrosis

Mild

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 239

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 747

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Clitoral Gland

OBSERVATIONS

Bone Marrow	Myeloid Cell	Hyperplasia	Moderate
Heart		Cardiomyopathy	Minimal
Kidney	Renal Tubule	Necrosis	Marked
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Lung	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Mild
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Moderate
		Leukemia Mononuclear	
Note: [ INFLAMMATION ] TGLs = 6-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mandibular	Hyperplasia	Plasma Cell, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 4-2			
Note: [ HYPERPLASIA ] TGLs = 2-10			
Note: [ HYPERPLASIA ] TGLs = 5-2			
Mammary Gland		Fibroadenoma	
		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 239

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 747

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Fibroadenoma TGLS = 1-15 ]

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 3-3

Thymus

Leukemia Mononuclear

Uterus

Lamina Propria

Fibrosis

Minimal

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 240

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 693

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Stomach - Glandular  
Urinary Bladder

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Thymus

Bone Marrow  
Harderian Gland  
Intestine Small - Duodenum  
Larynx  
Nose  
Salivary Glands  
Thyroid Gland

Brain  
Heart  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Skin  
Trachea

OBSERVATIONS

Adrenal Gland  
Harderian GI  
Note: MISTAKENLY NOTED AS LACRIMAL AT GROSS  
Intestine Large  
Kidney  
Note: [ NEPHROPATHY ] TGLs = 3-3  
Liver  
Lung  
Note: [ INFLAMMATION ] TGLs = 5-5,6  
Lymph Node  
Note: [ HYPERPLASIA ] TGLs = 4-2  
Pituitary Gland  
[ Adenoma TGLS = 6-14 ]  
Spleen  
Note: [ ATROPHY ] TGLs = 1-3  
Stomach

Cortex  
Cecum  
Bile Duct  
Interstitial  
Alveolar Epith  
Bronchial  
Mediastinal  
Pars Distalis  
Forestomach

Hyperplasia  
Ulcer  
Nephropathy  
Basophilic Focus  
Fatty Change  
Hyperplasia  
Fibrosis  
Hyperplasia  
Inflammation  
Hyperplasia  
Hyperplasia  
Adenoma  
Atrophy  
Inflammation

Focal, Moderate  
Moderate  
Marked  
Mild  
Minimal  
Minimal  
Focal, Minimal  
Mild  
Granulomatous, Moderate  
Histiocytic, Moderate  
Histiocytic, Moderate  
Moderate  
Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

---

**ANIMAL ID:** 240

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 693

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: SECTION MISSED RUPTURE SITE

Note: [ INFLAMMATION ] TGLs = 2-7

Uterus

Lamina Propria

Fibrosis

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 253

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 803

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Harderian Gland	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
	Medulla	Leukemia Mononuclear	
Harderian Gl			
Note: MISTAKENLY NOTED AS LACRIMAL AT GROSS			
Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	
Note: [ THROMBUS ] TGLs = 2-3			
Intestine Large	Cecum	Inflammation	Mild
	Colon	Inflammation	Mild
Kidney		Nephropathy	Minimal
Liver		Clear Cell Focus	Minimal
	Centrilobular	Degeneration	Mild
		Eosinophilic Focus	Mild
	Bile Duct	Hyperplasia	Moderate
Note: [ CLEAR CL FOCUS ] TGLs = 9-16			
Lung	Interstitial	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Note: [ FIBROSIS ] TGLs = 4,11-19			
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Lymph Node	Mediastinal	Carcinoma	Metastatic (Uncertain Primary Site)
	Bronchial	Hyperplasia	Histiocytic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 253

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 803

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ CARCINOMA ] TGLs = 3-2

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 1-3

Stomach

Forestomach

Ulcer

Moderate

Note: [ ULCER ] TGLs = 10-17

Uterus

Lamina Propria

Fibrosis

Minimal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 254

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 863

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Nose	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Diffuse, Moderate
	Medulla	Pheochromocytoma Benign	
	Medulla	Pheochromocytoma Malignant	
Bone		Fibrous Osteodystrophy	
Brain		Compression	
Heart		Cardiomyopathy	Minimal
Intestine Small	Ileum	Leukemia Mononuclear	
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]			TGLs = 7-5,6
Note: LEUKEMIA CONFOUNDS GRADING			
Lymph Node	Bronchial	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]			TGLs = 5-2
Note: [ LEUKEMIA MONUC ]			TGLs = 6-2
Note: [ LEUKEMIA MONUC ]			TGLs = 3-2
Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-15 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 254

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 863

**DOSE:** 18 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Ovary		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
Note: [ ADENOMA ]	TGLs = 8-14		
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 2-3		
Thymus		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 4-2		
Urinary Bladder		Leukemia Mononuclear	
Uterus	Lamina Propria	Fibrosis	Mild
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 255

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 678

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Clitoral Gland
Esophagus	Harderian Gland	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

MISSING

Lymph Node - Bronchial

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
Brain		Compression	
Harderian GI			
Note: MISTAKENLY NOTED AS LACRIMAL AT GROSS			
Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Parasite Metazoan	
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
Lung	Interstitialium	Fibrosis	Focal, Mild
	Interstitialium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Mild
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Moderate

Note: SLIDE 5 DOES NOT APPEAR FROM THIS RAT, NOT USED IN EVAL.

Note: [ HYPERPLASIA ] TGLs = 5-17

Note: [ INFLAMMATION ] TGLs = 1-6

Note: [ FIBROSIS ] TGLs = 5-17

Lymph Node	Mediastinal	Hyperplasia	Histiocytic, Mild
Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 3-15 ]			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 255

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 678

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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Pituitary Gland

Pars Distalis

Adenoma

[ Adenoma TGLS = 2-14 ]

Thyroid Gland

C Cell

Adenoma

Uterus

Polyp Stromal

[ Polyp Stromal TGLS = 4-16 ]

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 256

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 724

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Esophagus
Harderian Gland	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mandibular
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Large - Rectum	Lymph Node - Bronchial
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OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
Brain		Compression	
Clitoral Gland		Hyperplasia	Marked
Note: [ HYPERPLASIA ] TGLs = 3-9			
Harderian Gland			
Note: MISTAKENLY NOTED AS LACRIMAL AT GROSS			
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Minimal
Lung	Interstitium	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Granulomatous, Moderate
Note: [ FIBROSIS ] TGLs = 9-16			
Note: [ INFLAMMATION ] TGLs = 6-5,6			
Note: [ HYPERPLASIA ] TGLs = 9-16			
Lymph Node	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 5-2			
Mammary Gland		Fibroadenoma	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 256

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 724

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Fibroadenoma TGLS = 1-15 ]

Pituitary Gland

Pars Distalis

Carcinoma

Note: MALIGNANCY BASED ON INVASION OF BRAIN

Note: [ CARCINOMA ] TGLs = 7-14

Uterus

Polyp Stromal

Note: [ POLYP STROMAL ] TGLs = 4-9

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 257

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 784

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Large - Rectum  
Larynx  
Mammary Gland  
Pituitary Gland  
Stomach - Forestomach  
Urinary Bladder

Bone  
Esophagus  
Intestine Small - Duodenum  
Liver  
Ovary  
Salivary Glands  
Stomach - Glandular

Bone Marrow  
Harderian Gland  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Pancreas  
Skin  
Thyroid Gland

Brain  
Intestine Large - Colon  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spleen  
Trachea

MISSING

Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

Intestine Small - Ileum

Nose

OBSERVATIONS

Adrenal Gland

Medulla

Pheochromocytoma Malignant

Note: [ PHEOCHROM MAL ] TGLs = 1-14

Note: MALIGNANCY BASED ON CAPSULE INVASION

Harderian Gland

Note: MISTAKENLY NOTED AS LACRIMAL AT GROSS

Heart

Cardiomyopathy

Minimal

Kidney

Nephropathy

Mild

Note: [ NEPHROPATHY ] TGLs = 2-3

Lung

Interstitial

Fibrosis

Focal, Marked

Alveolar Epith

Hyperplasia

Minimal

Peribronchial

Hyperplasia

Histiocytic, Minimal

Inflammation

Granulomatous, Mild

Note: [ INFLAMMATION ] TGLs = 7-5,6

Note: [ HYPERPLASIA ] TGLs = 8-5

Lymph Node

Bronchial

Hyperplasia

Histiocytic, Moderate

Mediastinal

Hyperplasia

Histiocytic, Moderate

[ Hyperplasia TGLS = 5-2 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**  
**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:04  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

---

**ANIMAL ID:** 257

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 784

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Hyperplasia TGLS = 6-2 ]

Ovary

Note: CYST SEEN @ GROSS IS DILATED BURSA

Uterus

Polyp Stromal

[ Polyp Stromal TGLS = 4-15 ]

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 258

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 848

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Clitoral Gland	Esophagus
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Lacrimal Gland	Larynx
Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex Bilateral, Medulla	Hyperplasia Pheochromocytoma Benign	Focal, Mild
[ Pheochromocytoma Benign TGLS = 4-14 ]			
Bone		Fibrous Osteodystrophy	
Harderian Gland		Inflammation	Mild
Note: MISTAKENLY NOTED AS LACRIMAL AT GROSS			
Note: [ INFLAMMATION ] TGLs = 9-16			
Heart	Myocardium	Cardiomyopathy Mineralization	Mild Mild
Intestine Large	Cecum	Inflammation	Minimal
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 5-3			
Liver	Bile Duct	Basophilic Focus Hyperplasia Inflammation	Minimal Minimal Granulomatous, Focal, Mild
Lung	Interstitialium Alveolar Epith	Alveolar/Bronchiolar Carcinoma Fibrosis Hyperplasia Inflammation	Focal, Minimal Moderate Granulomatous, Marked

Note: TUMOR HAS FIBROUS CORE,PROLIFERATION @ PERIPHERY

Note: [ INFLAMMATION ] TGLs = 7-5,6

Note: [ ALV BRON CARC ] TGLs = 2-6

Note: MALIGNANCY BASED ON ANAPLASIA & INVASION ESP.OF AIRWAY WALL

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 258

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 848

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Marked
Note: [ HYPERPLASIA ] TGLs = 3-2			
Mammary Gland		Adenoma	
[ Adenoma TGLS = 1-15 ]			
Parathyroid Gland		Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 6-14			
Stomach	Glandular	Mineralization	Moderate
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Lamina Propria	Fibrosis	Minimal
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 259

TRT#: 6

SEX: Female

DAY ON TEST: 863

DOSE: 18 MG/M3

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Spleen  
Trachea

Bone  
Esophagus  
Intestine Small - Duodenum  
Larynx  
Mammary Gland  
Parathyroid Gland  
Stomach - Forestomach  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Nose  
Salivary Glands  
Stomach - Glandular  
Uterus

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Ovary  
Skin  
Thymus

OBSERVATIONS

Adrenal Gland  
Heart  
Kidney

Bilateral, Medulla

Pheochromocytoma Benign  
Cardiomyopathy  
Cyst  
Nephropathy

Minimal  
Moderate  
Moderate

Note: [ CYST ] TGLs = 1-15

Lung

Interstitial  
Alveolar Epith

Alveolar/Bronchiolar Carcinoma  
Fibrosis  
Hyperplasia  
Inflammation  
Metaplasia

Multiple  
Focal, Mild  
Moderate  
Granulomatous, Marked  
Squamous, Minimal

Note: [ ALV BRON CARC ] TGLs = 4,5,6-2,6,17

Note: MALIGN. BASED ON ANAPLASIA AND SIZE. SLIDE2 IS BORDERLINE

Note: [ INFLAMMATION ] TGLs = 7-5,6,16

Lymph Node

Bronchial  
Mediastinal

Hyperplasia  
Hyperplasia  
Hyperplasia  
Adenoma

Histiocytic, Moderate  
Histiocytic, Moderate  
Mild

Pituitary Gland

Pars Distalis

Thyroid Gland

C Cell

[ Adenoma TGLS = 3-2 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 262

TRT#: 12

SEX: Female

DAY ON TEST: 333

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO: 50791262

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Liver	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Intestine Large	Cecum	Parasite Metazoan	Mild
Lung	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Moderate
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Inflammation	Granulomatous, Mild
Note: PAPILLARY PROJECTIONS AND SOME PILING UP OF CELLS			
Note: THIS COULD BE CONSIDERED TO BE AN EARLY ADENOMA.			
Note: AREA OF HYPERPLASIA HAS SMALL FOCI WHICH FORM			
Note: [ HYPERPLASIA ] TGLs = 1-5			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 2-2.3-2			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 263

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Natural Death

DAY ON TEST: 740

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Harderian Gland	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Larynx	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Clitoral Gland

AUTO PRECLUDES DIAG.

Intestine Large - Colon

OBSERVATIONS

Adrenal Gland	Cortex Medulla	Hyperplasia Hyperplasia	Focal, Moderate Mild
Harderian Gl			
Note: MISTAKENLY NOTED AS LACRIMAL AT GROSS			
Heart	Atrium	Thrombosis	
Liver	Centrilobular	Degeneration Infiltration Cellular	Minimal Mononuclear CI, Marked
Lung	Interstitialium Alveolar Epith	Alveolar/Bronchiolar Adenoma Fibrosis Hyperplasia Inflammation	Focal, Moderate Moderate Granulomatous, Moderate
Note: FOCAL ADENOMATOUS NODULE-SLIDE 5			
Note: NODULE #5-FIBROUS CORE, UNIFORM EPITHELIAL GROWTH			
Note: [ INFLAMMATION ] TGLs = 4-5,6			
Note: MALIGNANCY BASED ON ANAPLASIA & DISORGANIZED EPITHEL.GROWTH			
Note: CARCINOMA-SLIDE 6			
Lymph Node	Axillary	Hemorrhage	Chronic, Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 263

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 740

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Bronchial  
Mediastinal  
Mandibular

Hyperplasia  
Hyperplasia  
Inflammation

Histiocytic, Moderate  
Histiocytic, Mild  
Chronic Active, Moderate

Note: [ HYPERPLASIA ] TGLs = 3-2

[ Hyperplasia TGLS = 6-2 ]

[ Hyperplasia TGLS = 2-16 ]

Mammary Gland

[ Fibroadenoma TGLS = 1-15 ]

Fibroadenoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 264

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 850

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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
Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Marked
	Medulla	Hyperplasia	Marked
	Medulla	Pheochromocytoma Benign	
Bone		Fibrous Osteodystrophy	
Harderian Gland			
Note: MISTAKEN AS LACRIMAL AT GROSS			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 1-3			
Liver	Bile Duct	Hyperplasia	Minimal
		Necrosis	Focal, Moderate
Lung	Interstitium	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Marked
Note: [ INFLAMMATION ] TGLs = 2-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Marked
	Mediastinal	Hyperplasia	Histiocytic, Marked
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 4-14			
Stomach	Glandular	Ulcer	Moderate
Note: [ ULCER ] TGLs = 6-16			
Uterus	Lamina Propria	Fibrosis	Minimal

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:04  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 264

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 850

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 277

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 829

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Esophagus

Intestine Small - Duodenum

Larynx

Pancreas

Skin

Uterus

Bone Marrow

Intestine Large - Cecum

Intestine Small - Ileum

Lymph Node - Mandibular

Parathyroid Gland

Stomach - Glandular

Brain

Intestine Large - Colon

Intestine Small - Jejunum

Nose

Pituitary Gland

Trachea

Clitoral Gland

Intestine Large - Rectum

Islets, Pancreatic

Ovary

Salivary Glands

Urinary Bladder

OBSERVATIONS

Adrenal Gland

Medulla

Pheochromocytoma Benign

Medulla

Pheochromocytoma Malignant

Note: MALIGNANCY BASED ON VESSEL & CAPSULE INVASION

Bone

Hyperostosis

Heart

Cardiomyopathy

Mild

Kidney

Medulla

Inflammation

Marked

Note: [ NEPHROPATHY ] TGLs = 4,5-3

Nephropathy

Moderate

Liver

Bile Duct

Hyperplasia

Minimal

Lung

Leukemia Mononuclear

Alveolar/Bronchiolar Adenoma

Multiple

Cyst

Interstitialium

Fibrosis

Focal, Moderate

Alveolar Epith

Hyperplasia

Moderate

Note: [ HYPERPLASIA ] TGLs = 13-16

Note: [ INFLAMMATION ] TGLs = 10-5,6

Note: [ CYST ] TGLs = 12-15

Note: CYST IS SQUAMOUS

Note: [ ALV BRON ADEN ] TGLs = 11-5,14-20

Note: ADENOMAS-EXPANSIVE GROWTH,REGULAR EPITHELIUM

Inflammation

Granulomatous, Moderate

Lymph Node

Bronchial

Hyperplasia

Histiocytic, Moderate

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 277

TRT#: 6

SEX: Female

DAY ON TEST: 829

DOSE: 18 MG/M3

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

Mediastinal

Hyperplasia

Histiocytic, Mild

Bronchial

Leukemia Mononuclear

Mediastinal

Leukemia Mononuclear

Mesenteric

Leukemia Mononuclear

Pancreatic

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 8.9-2

Note: [ LEUKEMIA MONUC ] TGLs = 3-17

Note: [ LEUKEMIA MONUC ] TGLs = 6-2

Mammary Gland

Adenoma

[ Adenoma TGLS = 1-19 ]

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 2-3

Stomach

Forestomach

Inflammation

Moderate

Thymus

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 7-2

Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 279

TRT#: 12

SEX: Female

DAY ON TEST: 739

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Esophagus

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Moderate
Kidney		Nephropathy	Mild
Larynx		Carcinoma	Metastatic (Thyroid Gland)
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
Lung	Interstitial	Fibrosis	Focal, Moderate
	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 4-6			
Lymph Node	Deep Cervical	Carcinoma	Metastatic (Thyroid Gland)
	Bronchial	Hyperplasia	Histiocytic, Marked
	Mediastinal	Hyperplasia	Histiocytic, Marked
Note: [ CARCINOMA ] TGLs = 2-15			
Note: [ HYPERPLASIA ] TGLs = 1,3-2			
Thyroid Gland	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 280

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 558

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Mesenteric
Mammary Gland	Nose	Parathyroid Gland	Pituitary Gland
Salivary Glands	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Intestine Large - Rectum

OBSERVATIONS

Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
Lung	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Minimal
	Mandibular	Hyperplasia	Lymphoid, Marked
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 4-2			
Note: [ HYPERPLASIA ] TGLs = 1-10			
Ovary		Cyst	
Note: [ CYST ] TGLs = 3-9			
Pancreas	Lobules	Atrophy	Minimal
Skin		Keratoacanthoma	
[ Keratoacanthoma TGLs = 2-15 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 281

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 660

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Mammary Gland
Nose	Ovary	Parathyroid Gland	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mandibular

INSUFFICIENT TISSUE

Larynx

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Minimal
Heart		Leukemia Mononuclear	
Intestine Large	Cecum	Inflammation	Moderate
Kidney		Nephropathy	Minimal
Liver		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
Note: LEUKEMIA CONFOUNDS GRADING			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
	Mesenteric	Hyperplasia	Lymphoid, Moderate
Note: [ HYPERPLASIA ] TGLs = 2-2			
Pancreas	Lobules	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 3-14			
Salivary Glands		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 281

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 660

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 1-3,15

Uterus

Leukemia Mononuclear

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 282

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 716

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Stomach - Forestomach
Thymus	Thyroid Gland	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Cortex	Necrosis	Moderate
Bone Marrow		Myelofibrosis	Moderate
Heart	Atrium	Thrombosis	
Intestine Large	Cecum	Inflammation	Mild
	Colon	Inflammation	Mild
Kidney		Nephropathy	Mild
Liver	Centrilobular	Degeneration	Marked
	Bile Duct	Hyperplasia	Mild
		Thrombosis	
[ Hyperplasia TGLS = 2-4,15 ]			
Lung		Alveolar/Bronchiolar Adenoma	
	Interstitial	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
Note: [ INFLAMMATION ] TGLs = 5-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Moderate
	Mediastinal	Hyperplasia	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 4-2			
Nose	Mucosa	Inflammation	Suppurative, Mild
Spleen		Hyperplasia	Lymphoid, Moderate
Stomach	Glandular	Ulcer	Multiple, Mild
Note: [ ULCER ] TGLs = 6-15			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 282

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 716

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Trachea

Inflammation

Suppurative, Mild

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 284

TRT#: 12

SEX: Female

DAY ON TEST: 194

DOSE: 18 MG/M3LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Liver  
Mammary Gland  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Nose  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Heart  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mediastinal  
Ovary  
Skin  
Thymus  
Uterus

Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Larynx  
Lymph Node - Mesenteric  
Pancreas  
Spleen  
Thyroid Gland

MISSING

Parathyroid Gland

PRESENT BUT NOT EXAMINED

Eye

Tongue

OBSERVATIONS

Bone Marrow

Hyperplasia

Histiocytic, Mild

Lung

Inflammation

Granulomatous, Moderate

Note: POLYS AND LYMPHOCYTES ARE ALSO PRESENT IN SOME FOCI

Note: MACROPHAGE CLUSTERS CONTAIN REFRACTING PARTICLES

Lymph Node

Bronchial

Hyperplasia

Histiocytic, Mild

Note: HISTIOCYTIC FOCI CONTAIN REFRACTING PARTICLES

Note: [ HYPERPLASIA ] TGLs = 1-2

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 285

TRT#: 6

SEX: Female

DAY ON TEST: 633

DOSE: 18 MG/M3

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Islets, Pancreatic  
Ovary  
Skin  
Thyroid Gland

Adrenal Gland - Medulla  
Clitoral Gland  
Kidney  
Pancreas  
Stomach - Forestomach  
Trachea

Bone  
Esophagus  
Mammary Gland  
Parathyroid Gland  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Small - Duodenum  
Nose  
Salivary Glands  
Thymus  
Uterus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum  
Intestine Small - Jejunum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Ileum

INSUFFICIENT TISSUE

Larynx

OBSERVATIONS

Heart  
Liver  
Lung

Bile Duct  
Alveolar Epith

Cardiomyopathy  
Hyperplasia  
Hyperplasia  
Inflammation  
Leukemia Mononuclear

Mild  
Minimal  
Minimal  
Granulomatous, Moderate

Note: [ INFLAMMATION ] TGLs = 5-5,6

Lymph Node

Bronchial  
Mediastinal  
Mandibular  
Mesenteric

Hyperplasia  
Hyperplasia  
Leukemia Mononuclear  
Leukemia Mononuclear

Histiocytic, Moderate  
Histiocytic, Moderate

Note: [ LEUKEMIA MONUC ] TGLs = 1-10

Note: [ HYPERPLASIA ] TGLs = 3-2

Note: [ HYPERPLASIA ] TGLs = 4-2

Pituitary Gland

Pars Distalis

Adenoma

Note: [ ADENOMA ] TGLs = 6-14,15

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 2-3

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:04  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 285

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 633

**DOSE:** 18 MG/M3

**DISP:** Natural Death

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 286

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 863

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Clitoral Gland
Esophagus	Heart	Intestine Large - Cecum	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Lymph Node - Mediastinal

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Brain		Compression	
Harderian Gland		Inflammation	Minimal
Note: MISTAKEN AS LACRIMAL GLAND AT GROSS			
Note: [ INFLAMMATION ] TGLs = 10-13			
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Mild
Liver	Hepatocyte	Atrophy	Focal, Moderate
	Bile Duct	Basophilic Focus	Minimal
		Hyperplasia	Moderate
		Leukemia Mononuclear	
Note: NODULAR APPREARANCE CAUSED BY FOCAL ATROPHY & B.D.HYPER.			
Lung	Interstitium	Fibrosis	Focal, Mild
	Alveolar Epith	Hyperplasia	Moderate
	Peribronchial	Hyperplasia	Histiocytic, Minimal
		Hyperplasia	Adenomatous, Diffuse, Mild
		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
Note: [ HYPERPLASIA ] TGLs = 8-5			
Note: [ INFLAMMATION ] TGLs = 7-5,6			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 286

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 863

**DOSE:** 18 MG/M3

**DISP:** Terminal Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Lymph Node	Bronchial Mandibular	Hyperplasia Leukemia Mononuclear	Histiocytic, Moderate
Note: [ HYPERPLASIA ] TGLs = 6-2			
Mammary Gland	Lobules	Hyperplasia	Marked
[ Hyperplasia TGLS = 1-15 ]			
Pituitary Gland	Pars Distalis	Adenoma Leukemia Mononuclear	
Note: [ ADENOMA ] TGLs = 9-14			
Spleen		Fibrosis Leukemia Mononuclear	Focal, Moderate
Note: [ LEUKEMIA MONUC ] TGLs = 3-3			
Note: [ FIBROSIS ] TGLs = 2-15			
Uterus	Lamina Propria	Fibrosis Polyp Stromal	Mild
[ Fibrosis TGLS = 4-15 ]			

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 287

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 786

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Clitoral Gland	Esophagus	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
	Medulla	Hyperplasia	Mild
	Cortex	Necrosis	Mild
Bone Marrow		Atrophy	Moderate
Brain	White Matter	Necrosis	Focal, Marked
Heart		Cardiomyopathy	Minimal
	Atrium	Thrombosis	
Note: [ THROMBUS ] TGLs = 3-3			
Intestine Large	Cecum	Inflammation	Minimal
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Degeneration	Marked
	Bile Duct	Hyperplasia	Moderate
Note: [ DEGEN ] TGLs = 2-4			
Lung		Alveolar/Bronchiolar Adenoma	
	Interstitialium	Fibrosis	Focal, Moderate
	Alveolar Epith	Hyperplasia	Moderate
		Inflammation	Granulomatous, Moderate
Note: [ FIBROSIS ] TGLs = 9-15			
Note: [ INFLAMMATION ] TGLs = 6-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Histiocytic, Mild
Note: [ HYPERPLASIA ] TGLs = 5-2			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 287

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 786

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 4-2

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 1-3

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 288

TRT#: 6

DOSE: 18 MG/M3

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 675

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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	Kidney	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Uterus		

OBSERVATIONS

Adrenal Gland	Medulla	Leukemia Mononuclear	
Harderian GI			
Note: MISTAKEN FOR LACRIMAL GLAND AT GROSS			
Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Inflammation	Mild
Larynx		Inflammation	Suppurative, Moderate
Liver	Centrilobular	Degeneration	Moderate
	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
Note: [ DEGEN ] TGLs = 4-4			
Lung	Interstitial	Fibrosis	Focal, Minimal
	Alveolar Epith	Hyperplasia	Mild
		Inflammation	Granulomatous, Moderate
Note: [ INFLAMMATION ] TGLs = 8-5,6			
Lymph Node	Bronchial	Hyperplasia	Histiocytic, Mild
	Mediastinal	Hyperplasia	Lymphoid, Moderate
	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 1-10			
Note: [ LEUKEMIA MONUC ] TGLs = 3-8			
Note: [ HYPERPLASIA ] TGLs = 6-2			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 288

**TRT#:** 6

**SEX:** Female

**DAY ON TEST:** 675

**DOSE:** 18 MG/M3

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ HYPERPLASIA ] TGLs = 7-2

Note: [ LEUKEMIA MONUC ] TGLs = 10-15

Pituitary Gland

Pars Distalis

Adenoma

Note: [ ADENOMA ] TGLs = 9-14

Spleen

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 2-3

Thyroid Gland

C Cell

Carcinoma

Note: [ ADENOCARC ] TGLs = 5-2

Urinary Bladder

Inflammation

Moderate

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 301

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 808

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Small - Ileum  
Lung  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Bronchial  
Mammary Gland  
Parathyroid Gland  
Spleen  
Trachea

Brain  
Intestine Large - Colon  
Islets, Pancreatic  
Lymph Node - Mandibular  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Urinary Bladder

Clitoral Gland  
Intestine Small - Duodenum  
Larynx  
Lymph Node - Mediastinal  
Ovary  
Salivary Glands  
Thymus

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland

Medulla  
Medulla

Hyperplasia  
Pheochromocytoma Benign  
Fibrous Osteodystrophy  
Cardiomyopathy  
Mineralization  
Nephropathy

Mild

Bone  
Heart

Myocardium

Hyperplasia  
Mineralization

Moderate  
Moderate  
Marked

Kidney

Note: [ NEPHROPATHY ] TGLs = 4-3

Liver

Bile Duct  
Glandular

Polyp Stromal

Minimal  
Mild

Stomach

Note: [ MINERALIZATION ] TGLs = 5-16

Uterus

[ Polyp Stromal TGLS = 1-15 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 302

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 647

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Brain
Clitoral Gland	Esophagus	Islets, Pancreatic	Larynx
Lung	Lymph Node - Bronchial	Lymph Node - Mediastinal	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Intestine Large - Rectum

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Kidney	Nose	

OBSERVATIONS

Bone Marrow		Atrophy	Mild
Heart	Atrium	Thrombosis	
Liver	Centrilobular	Degeneration	Marked
	Bile Duct	Hyperplasia	Marked
[ Hyperplasia TGLS = 3-4 ]			
Lymph Node	Mandibular	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 4-8			
Note: [ LEUKEMIA MONUC ] TGLs = 1-10			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-3			
Stomach	Forestomach	Ulcer	Marked
	Glandular	Ulcer	Multiple, Moderate
Note: [ ULCER ] TGLs = 5-15			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 303

TRT#: 4

SEX: Female

DAY ON TEST: 862

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Small - Ileum  
Lung  
Lymph Node - Mesenteric  
Pancreas  
Spleen  
Trachea

Bone  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Bronchial  
Mammary Gland  
Parathyroid Gland  
Stomach - Forestomach  
Urinary Bladder

Bone Marrow  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Nose  
Salivary Glands  
Stomach - Glandular  
Uterus

Brain  
Intestine Small - Duodenum  
Larynx  
Lymph Node - Mediastinal  
Ovary  
Skin  
Thymus

OBSERVATIONS

Adrenal Gland  
Clitoral Gland  
Note: [ HYPERPLASIA ] TGLs = 1-9  
Note: DILATED W/ SECRETIONS  
Heart  
Intestine Large  
Kidney  
Liver  
Note: [ CYST MULTILOC ] TGLs = 2-4  
Pituitary Gland  
Note: [ CARCINOMA ] TGLs = 4-14  
Note: INVASION & # MITOTIC FIGURES  
Thyroid Gland

Medulla  
Colon  
Pars Distalis  
C Cell

Hyperplasia  
Hyperplasia  
Cardiomyopathy  
Parasite Metazoan  
Nephropathy  
Cyst Multilocular  
Carcinoma  
Adenoma

Mild  
Mild  
Minimal  
Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 304

TRT#: 10

SEX: Female

DAY ON TEST: 862

DOSE: CONTROL LUNG TOX

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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
Larynx	Lymph Node - Mandibular	Lymph Node - Mediastinal	Lymph Node - Mesenteric
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland Note: [ PHEOCHROM BGN ] TGLs = 3-14	Bilateral, Medulla	Pheochromocytoma Benign	
Brain Note: W/ INVASION PIT. CA.		Compression	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Liver  Note: [ EOSIN FOCUS ] TGLs = 4-16	Bile Duct	Eosinophilic Focus Hyperplasia	Mild Mild
Lung		Inflammation	Chronic Active, Mild
Lymph Node	Bronchial	Hyperplasia	Lymphoid, Mild
Mammary Gland	Lobules	Hyperplasia	Minimal
Pancreas	Lobules	Atrophy	Mild
Pituitary Gland Note: LARGE,8MM; W/ INVASION Note: [ CARCINOMA ] TGLs = 2-14	Pars Distalis	Carcinoma	
Uterus Note: [ SARC STROMAL ] TGLs = 1-15 Note: BASED ON SIZE AND ANAPLASIA		Sarcoma Stromal	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 305

TRT#: 4

SEX: Female

DAY ON TEST: 719

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone Marrow

Brain

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Larynx

Lung

Lymph Node - Bronchial

Lymph Node - Mandibular

Lymph Node - Mediastinal

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

OBSERVATIONS

Blood Vessel

Mesent Artery

Inflammation

Moderate

Bone

Mandible

Sarcoma

[ Sarcoma TGLS = 2,3-15,16 ]

Clitoral Gland

Inflammation

Moderate

Heart

Cardiomyopathy

Mild

Intestine Small

Ileum

Hyperplasia

Lymphoid, Marked

Liver

Basophilic Focus

Mild

Bile Duct

Hyperplasia

Minimal

Lymph Node

Mesenteric

Inflammation

Chronic Active, Mild

Pituitary Gland

Cyst

Note: [ CYST ] TGLs = 1-14

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 306

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 558

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Mammary Gland	Nose	Ovary	Parathyroid Gland
Salivary Glands	Skin	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
Bone Marrow		Leukemia Mononuclear	
Eye		Cataract	Moderate
	Retina	Degeneration	Marked
Note: [ CATARACT ] TGLs = 2-15			
Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Inflammation	Mild
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Degeneration	Marked
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Note: [ DEGEN ] TGLs = 6-4			
Lung		Leukemia Mononuclear	
Lymph Node	Bronchial	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 1-10			
Note: [ LEUKEMIA MONUC ] TGLs = 7-8			
Note: [ LEUKEMIA MONUC ] TGLs = 4-8			
Pancreas	Lobules	Atrophy	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Note: [ HYPERPLASIA ] TGLs = 8-14			
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 306

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 558

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ LEUKEMIA MONUC ] TGLs = 5-3

Stomach	Forestomach Glandular	Leukemia Mononuclear Ulcer	Moderate
---------	--------------------------	-------------------------------	----------

Note: [ ULCER ] TGLs = 9-16

Thymus		Leukemia Mononuclear	
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus		Inflammation	Mild

Note: [ INFLAMMATION ] TGLs = 3-9

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 307

TRT#: 10

SEX: Female

DAY ON TEST: 739

DOSE: CONTROL LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lung  
Pancreas  
Spleen  
Trachea

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mediastinal  
Pituitary Gland  
Stomach - Forestomach  
Urinary Bladder

Bone  
Esophagus  
Intestine Small - Duodenum  
Larynx  
Lymph Node - Mesenteric  
Salivary Glands  
Stomach - Glandular

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Liver  
Nose  
Skin  
Thymus

MISSING

Lymph Node - Bronchial

Lymph Node - Mandibular

Parathyroid Gland

Thyroid Gland

OBSERVATIONS

Heart  
Kidney  
Mammary Gland

Cardiomyopathy  
Nephropathy  
Adenoma  
Hyperplasia

Mild  
Mild  
Cystic, Mild

Note: [ ADENOMA ] TGLs = 2-16

Ovary

Note: [ CYST ] TGLs = 5-9

Cyst

Uterus

Polyp  
Polyp Stromal

Note: [ POLYP STROMAL ] TGLs = 3-15

Note: [ POLYP ] TGLs = 4-8

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 308

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 688

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Small - Ileum  
Lung  
Lymph Node - Mesenteric  
Pancreas  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Jejunum  
Lymph Node - Bronchial  
Mammary Gland  
Parathyroid Gland  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Colon  
Islets, Pancreatic  
Lymph Node - Mandibular  
Nose  
Salivary Glands  
Thymus  
Uterus

Brain  
Intestine Small - Duodenum  
Larynx  
Lymph Node - Mediastinal  
Ovary  
Skin  
Thyroid Gland

OBSERVATIONS

Bone  
Heart  
Intestine Large  
  
Kidney  
  
Liver  
  
Pituitary Gland  
Spleen

Cecum  
Rectum  
Renal Tubule  
  
Centrilobular  
Bile Duct

Hyperostosis  
Cardiomyopathy  
Inflammation  
Inflammation  
Necrosis  
Nephropathy  
Degeneration  
Hyperplasia  
Pigmentation  
  
Cyst  
  
Fibrosis  
Pigmentation

Mild  
Mild  
Mild  
Mild  
Minimal  
Marked  
Marked  
Hemosiderin, Moderate  
  
  
  
Focal, Moderate  
Hemosiderin, Moderate

Note: [ DEGEN ] TGLs = 2-4

Note: [ CYST ] TGLs = 5-14

[ Fibrosis TGLS = 1-3 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 309

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 333

**DOSE:** CONTROL LUNG TOX

**DISP:** Scheduled Sacrifice

**HISTO:** 50791309

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Larynx  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Liver  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus  
Uterus

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lung  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Bronchial  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

**OBSERVATIONS**

Lymph Node

Mediastinal

Congestion

Mild

Note: [ CONGESTION ] TGLs = 1-2

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 310

TRT#: 10

SEX: Female

DAY ON TEST: 739

DOSE: CONTROL LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Spleen  
Trachea

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Small - Duodenum  
Larynx  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Urinary Bladder

Bone  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mediastinal  
Ovary  
Salivary Glands  
Stomach - Glandular  
Uterus

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus

MISSING

Esophagus

Lymph Node - Bronchial

Lymph Node - Mandibular

OBSERVATIONS

Heart  
Kidney  
Liver

Cardiomyopathy  
Nephropathy  
Eosinophilic Focus  
Hyperplasia  
Hyperplasia  
Inflammation  
Hyperplasia

Minimal  
Mild  
Minimal  
Minimal  
Minimal  
Granulomatous, Minimal  
Minimal

Lung

Bile Duct  
Alveolar Epith

Thyroid Gland

C Cell

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 311

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 789

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Small - Ileum  
Lung  
Mammary Gland  
Parathyroid Gland  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Bronchial  
Nose  
Salivary Glands  
Thymus

Brain  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Ovary  
Skin  
Thyroid Gland

Clitoral Gland  
Intestine Small - Duodenum  
Larynx  
Lymph Node - Mediastinal  
Pancreas  
Stomach - Forestomach  
Trachea

OBSERVATIONS

Adrenal Gland  
Blood Vessel  
Bone  
Heart

Medulla  
Mesent Artery

Hyperplasia  
Inflammation  
Hyperostosis  
Cardiomyopathy  
Inflammation  
Inflammation  
Parasite Metazoan  
Inflammation  
Nephropathy

Mild  
Moderate  
  
Mild  
Focal, Mild  
Moderate

Intestine Large  
  
Kidney

Cecum  
Cecum

Basophilic Focus  
Fatty Change  
Hyperplasia  
Inflammation  
Hyperplasia  
Hyperplasia

Mild  
Mild  
  
Mild  
Minimal  
Minimal  
Granulomatous, Focal, Minimal  
Lymphoid, Moderate  
Moderate

Lymph Node  
Pituitary Gland  
Spleen

Mesenteric  
Pars Distalis

Atrophy  
Fibrosis  
Pigmentation

Moderate  
Moderate  
Focal, Marked  
Hemosiderin, Moderate

Note: [ NEPHROPATHY ] TGLs = 6-3

Liver

Bile Duct

Note: [ HYPERPLASIA ] TGLs = 8-14

[ Atrophy TGLS = 2-2 ]

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 311

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 789

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Fibrosis TGLS = 3-15 ]

Uterus

Endometrium

Hyperplasia

Marked

Polyp Stromal

Note: [ POLYP STROMAL ] TGLs = 1-15

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 312

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 862

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lung
Lymph Node - Mandibular	Lymph Node - Mediastinal	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Mild
Intestine Large	Colon	Parasite Metazoan	
Intestine Small	Ileum	Hyperplasia	Lymphoid, Mild
Kidney		Nephropathy	Marked
Liver		Basophilic Focus	Moderate
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Minimal
		Necrosis	Focal, Minimal
Lymph Node	Bronchial	Pigmentation	Hemosiderin, Mild
Pancreas	Lobules	Atrophy	Minimal
Parathyroid Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Inflammation	Granulomatous, Focal, Mild
Uterus	Lamina Propria	Fibrosis	Mild
		Polyp Stromal	

Note: [ POLYP STROMAL ] TGLs = 2-15

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

**ANIMAL ID:** 325

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 192

**DOSE:** CONTROL LUNG TOX

**DISP:** Scheduled Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Larynx  
Lymph Node - Mandibular  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Liver  
Lymph Node - Mediastinal  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lung  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus  
Uterus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Bronchial  
Mammary Gland  
Parathyroid Gland  
Spleen  
Thyroid Gland

**PRESENT BUT NOT EXAMINED**

Eye  
Tongue

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 326

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 768

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lung	Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mediastinal
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Minimal
	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
	[ Pheochromocytoma Benign TGLS = 3-14 ]		
Harderian Gland		Inflammation	Mild
	Note: [ INFLAMMATION ] TGLs = 7-18		
	Note: MISTAKEN AS LACRIMAL GLAND AT GROSS		
Heart	Atrium	Thrombosis	
Intestine Large	Cecum	Inflammation	Minimal
Kidney		Infarct	Moderate
		Nephropathy	Mild
	Note: [ INFARCT ] TGLs = 4-15		
Liver	Centrilobular	Degeneration	Marked
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
	Note: [ DEGEN ] TGLs = 2-4		
Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	Note: [ HYPERPLASIA ] TGLs = 5-14		
Spleen		Fibrosis	Focal, Marked
	Note: [ FIBROSIS ] TGLs = 1-3		
Stomach	Glandular	Ulcer	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 326

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 768

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ ULCER ] TGLs = 8-16

Uterus

Lamina Propria

Fibrosis

Minimal

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 327

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 716

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Rectum	Intestine Small - Duodenum	Islets, Pancreatic
Larynx	Lung	Lymph Node - Bronchial	Lymph Node - Mandibular
Lymph Node - Mediastinal	Mammary Gland	Nose	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Urinary Bladder	Uterus	

AUTO PRECLUDES DIAG.

Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Ileum	Intestine Small - Jejunum
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OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Marked
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
	Centrilobular	Necrosis	Moderate
Lymph Node	Mesenteric	Hyperplasia	Plasma Cell, Moderate
Note: [ HYPERPLASIA ] TGLs = 2-8			
Ovary		Cyst	
Note: [ CYST ] TGLs = 1-9			
Trachea		Inflammation	Suppurative, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 328

TRT#: 4

SEX: Female

DAY ON TEST: 767

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lung	Lymph Node - Bronchial	Lymph Node - Mandibular
Lymph Node - Mediastinal	Lymph Node - Mesenteric	Mammary Gland	Nose
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Moderate
	Medulla	Pheochromocytoma Benign	
Bone Marrow		Myelofibrosis	Mild
Heart	Atrium	Thrombosis	
[ Thrombosis TGLS = 4-3 ]			
Intestine Large	Cecum	Inflammation	Minimal
	Rectum	Inflammation	Minimal
Kidney		Abscess	Mild
		Nephropathy	Moderate
[ Nephropathy TGLS = 2-15 ]			
Liver	Centrilobular	Degeneration	Moderate
	Bile Duct	Hyperplasia	Mild
Ovary		Granulosa Cell Tumor Malignant	
Note: [ GRANLSA TM MAL ] TGLs = 1-9			
Note: MALIGNANCY BASED ON ANAPLASIA			
Note: TUMOR IS CYSTIC			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Stomach	Glandular	Inflammation	Moderate
Note: [ INFLAMMATION ] TGLs = 5-16			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 328

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 767

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

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Thymus		Inflammation	Moderate
Note: [ INFLAMMATION ] TGLs = 3-2			
Uterus	Endometrium	Hyperplasia	Moderate

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**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 329

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 862

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Bronchial	Lymph Node - Mandibular
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Bone Marrow		Hyperplasia	Histiocytic, Marked
Eye		Cataract	Moderate
Note: [ CATARACT ] TGLs = 1-15	Retina	Degeneration	Moderate
Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Parasite Metazoan	
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	Moderate
	Bile Duct	Hyperplasia	Minimal
Lung	Alveolar Epith	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
Pancreas		Hyperplasia	Nodular, Moderate
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Spleen		Hematopoietic Cell Proliferation	Moderate
Note: [ HEMA CELL PROL ] TGLs = 2-3			
Thyroid Gland	C Cell	Hyperplasia	Mild
Uterus	Lamina Propria	Fibrosis	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 330

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 862

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Spleen  
Thyroid Gland

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Mammary Gland  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

Bone  
Esophagus  
Intestine Small - Duodenum  
Larynx  
Nose  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lymph Node - Mandibular  
Ovary  
Skin  
Thymus  
Uterus

MISSING

Lymph Node - Mediastinal

OBSERVATIONS

Heart  
Kidney  
Liver  
  
Lung  
Lymph Node  
Note: [ CYST ] TGLs = 1-2  
Pituitary Gland

Bile Duct  
  
Bronchial  
  
Pars Distalis

Cardiomyopathy  
Nephropathy  
Basophilic Focus  
Hyperplasia  
Inflammation  
Inflammation  
Cyst  
  
Hyperplasia

Mild  
Marked  
Minimal  
Minimal  
Granulomatous, Focal, Minimal  
Granulomatous, Minimal  
Marked  
  
Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 331

TRT#: 4

SEX: Female

DAY ON TEST: 772

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Clitoral Gland
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lung	Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mediastinal
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

INSUFFICIENT TISSUE

Adrenal Gland - Medulla

OBSERVATIONS

Brain		Compression	
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Ulcer	Mild
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 1-3			
Liver		Basophilic Focus	Minimal
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 3-14			
Thyroid Gland	C Cell	Hyperplasia	Marked
Uterus	Lamina Propria	Fibrosis	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 332

TRT#: 4

SEX: Female

DAY ON TEST: 862

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO: 83

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	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
Larynx	Lung	Lymph Node - Bronchial	Lymph Node - Mandibular
Lymph Node - Mediastinal	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Brain		Ependymoma Malignant	
Note: [ EPENDYMOMA MAL ] TGLs = 1-1			
Note: MALIGNANCY BASED ON SIZE & INVASION OF BRAIN			
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Marked
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Minimal
Uterus	Lamina Propria	Fibrosis	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 333

TRT#: 10

SEX: Female

DAY ON TEST: 739

DOSE: CONTROL LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lung	Lymph Node - Mandibular	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Lymph Node	Mesenteric	Hyperplasia	Histiocytic, Mild
	Bronchial	Pigmentation	Hemosiderin, Mild
	Mediastinal	Pigmentation	Hemosiderin, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 1-14			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 334

TRT#: 10

SEX: Female

DAY ON TEST: 556

DOSE: CONTROL LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

**NORMAL**

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

**MISSING**

Adrenal Gland - Medulla	Lymph Node - Bronchial
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**OBSERVATIONS**

Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node	Mediastinal	Pigmentation	Hemosiderin, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 335

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 370

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Heart  
Intestine Small - Ileum  
Larynx  
Nose  
Pituitary Gland  
Stomach - Glandular  
Uterus

Adrenal Gland - Medulla  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lung  
Ovary  
Salivary Glands  
Thyroid Gland

Bone  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Bronchial  
Pancreas  
Skin  
Trachea

Brain  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mandibular  
Parathyroid Gland  
Stomach - Forestomach  
Urinary Bladder

MISSING

Clitoral Gland  
Thymus

Esophagus

Lymph Node - Mediastinal

Lymph Node - Mesenteric

OBSERVATIONS

Bone Marrow  
Intestine Large  
Liver

Myeloid Cell  
Cecum

Hyperplasia  
Parasite Metazoan  
Basophilic Focus  
Hematopoietic Cell Proliferation  
Adenocarcinoma

Moderate  
  
Mild  
Minimal

Mammary Gland

Note: SOME SQUAMOUS FOCI IN CARCINOMA

Note: MALIGNANCY BASED ON ANAPLASIA & INVASIVE GROWTH

[ Adenocarcinoma TGLS = 1-16 ]

Spleen

Note: [ HEMA CELL PROL ] TGLs = 3-3

Hematopoietic Cell Proliferation

Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 336

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 805

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Bronchial
Lymph Node - Mandibular	Lymph Node - Mediastinal	Nose	Ovary
Salivary Glands	Skin	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
	Medulla	Hyperplasia	Minimal
Bone		Fibrous Osteodystrophy	
Heart	Atrium	Thrombosis	
Note: [ THROMBUS ] TGLs = 3-3			
Intestine Small	Duodenum	Necrosis	Focal, Moderate
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 2-3			
Liver		Fatty Change	Moderate
Note: [ FATTY CHANGE ] TGLs = 6-4			
Lung		Alveolar/Bronchiolar Adenoma	
Note: MALIGNANCY BASED ON ANAPLASIA & PILING UP OF CELLS			
Lymph Node	Mesenteric	Inflammation	Chronic Active, Moderate
Mammary Gland		Fibroadenoma	
Note: FIBROADENOMA CONTAINS LARGE CYST			
[ Fibroadenoma TGLS = 1-15 ]			
Pancreas	Lobules	Atrophy	Minimal
Parathyroid Gland		Hyperplasia	Moderate
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 5-14			
Note: NEOPLASTIC BECAUSE OF COMPRESSION OF INTERMEDIA			
Spleen		Hematopoietic Cell Proliferation	Moderate
Stomach	Forestomach	Ulcer	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 336

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 805

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

[ Ulcer TGLS = 7-7 ]

Thyroid Gland

C Cell

Adenoma

C Cell

Hyperplasia

Moderate

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 350

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 568

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Larynx	Lung	Lymph Node - Bronchial
Lymph Node - Mandibular	Lymph Node - Mediastinal	Lymph Node - Mesenteric	Mammary Gland
Nose	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Cystic, Mild
	Medulla	Leukemia Mononuclear	
Kidney		Nephropathy	Minimal
Liver	Centrilobular	Degeneration	Marked
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [ DEGEN ] TGLs = 4-4			
Ovary		Cyst	
Note: [ CYST ] TGLs = 1-9			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 7-14			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-3			
Stomach	Forestomach	Ulcer	Mild
Note: [ ULCER ] TGLs = 3-7			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 351

TRT#: 4

SEX: Female

DAY ON TEST: 766

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Clitoral Gland	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lung	Lymph Node - Bronchial	Lymph Node - Mandibular
Lymph Node - Mediastinal	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Intestine Large - Rectum

OBSERVATIONS

Brain		Astrocytoma Benign	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-15 ]			
Pituitary Gland	Pars Distalis	Adenoma	
Note: ADENOMA BECAUSE MONOMORPHIC & SLIGHT COMPRESSION			
Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 352

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 827

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone Marrow	Clitoral Gland	Esophagus
Heart	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Nose	Ovary	Pancreas
Parathyroid Gland	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	Uterus

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
	Medulla	Pheochromocytoma Benign	
Bone		Hyperostosis	
Brain		Carcinoma	Metastatic (Pituitary Gland)
Note: MET IS ACTUALLY INVASION OF PITUITARY CARC.			
Note: [ CARCINOMA ] TGLs = 9-1			
Harderian Gland		Inflammation	Minimal
Note: MISTAKEN FOR LACRIMAL GLAND AT GROSS			
Note: [ INFLAMMATION ] TGLs = 11-16			
Kidney		Nephropathy	Mild
Note: [ NEPHROPATHY ] TGLs = 4-3			
Liver		Basophilic Focus	Mild
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung	Interstitialium	Fibrosis	Focal, Minimal
Note: [ FIBROSIS ] TGLs = 8-5,6			
Lymph Node	Bronchial	Inflammation	Suppurative, Mild
	Mandibular	Inflammation	Chronic Active, Moderate
	Mediastinal	Inflammation	Suppurative, Mild
	Mesenteric	Inflammation	Chronic Active, Mild
Note: [ INFLAMMATION ] TGLs = 3-8			
Note: [ INFLAMMATION ] TGLs = 6-2			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 352

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 827

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ INFLAMMATION ] TGLs = 5-2			
Mammary Gland		Fibroadenoma	
Note: CYSTIC			
[ Fibroadenoma TGLS = 1-15 ]			
Pituitary Gland	Pars Distalis	Carcinoma	
Note: [ CARCINOMA ] TGLs = 10-14			
Note: MALIGNANCY BASED ON INVASION OF BRAIN			
Salivary Glands		Inflammation	Moderate
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-3			
Thyroid Gland	C Cell	Hyperplasia	Minimal
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 353

TRT#: 10

SEX: Female

DAY ON TEST: 739

DOSE: CONTROL LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Larynx	Lung
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Trachea	Urinary Bladder	Uterus

MISSING

Islets, Pancreatic	Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mediastinal
Thymus			

OBSERVATIONS

Adrenal Gland	Cortex	Congestion	Marked
	Cortex	Degeneration	Cystic, Moderate
	Medulla	Hyperplasia	Mild
Note: [ CONGESTION ] TGLs = 4-14			
Bone Marrow		Leukemia Mononuclear	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Mild
Liver		Fatty Change	Mild
		Hyperplasia	Mild
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-4			
Mammary Gland		Adenoma	
		Hyperplasia	Cystic, Moderate
Note: [ ADENOMA ] TGLs = 2-15			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 6-14			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-3			
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc  
**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014  
**Time Report Requested:** 19:07:04  
**First Dose M/F:** NA / NA  
**Lab:** LITRI

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**ANIMAL ID:** 353

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 739

**DOSE:** CONTROL LUNG TOX

**DISP:** Scheduled Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 354

TRT#: 10

SEX: Female

DAY ON TEST: 556

DOSE: CONTROL LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Bronchial  
Ovary  
Salivary Glands  
Stomach - Glandular  
Uterus

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Larynx  
Mammary Gland  
Parathyroid Gland  
Spleen  
Trachea

**MISSING**

Lymph Node - Mediastinal

**OBSERVATIONS**

Kidney		Nephropathy	Minimal
Liver	Bile Duct	Hyperplasia	Minimal
Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 355

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 800

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Clitoral Gland	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Thymus
Thyroid Gland	Trachea	Urinary Bladder	

MISSING

Lymph Node - Bronchial

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Moderate
	Medulla	Hyperplasia	Moderate
	Medulla	Pheochromocytoma Benign	
Brain		Compression	
Heart		Cardiomyopathy	Mild
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 6-3			
Liver		Basophilic Focus	Mild
		Fatty Change	Marked
Note: [ FATTY CHANGE ] TGLs = 5-4			
Lymph Node	Mediastinal	Hyperplasia	Lymphoid, Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 7-14			
Stomach	Forestomach	Hyperkeratosis	Moderate
	Glandular	Mineralization	Moderate
	Forestomach	Ulcer	Marked
[ Hyperkeratosis TGLS = 4-7 ]			
[ Ulcer TGLS = 3-7 ]			
Uterus		Polyp Stromal	
Note: [ POLYP STROMAL ] TGLs = 2-9			

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 355

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 800

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 356

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 841

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lung	Lymph Node - Bronchial	Lymph Node - Mediastinal
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

MISSING

Adrenal Gland - Medulla

OBSERVATIONS

Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	
Kidney		Nephropathy	Mild
Liver		Basophilic Focus	Moderate
		Inflammation	Granulomatous, Focal, Mild
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Mild
Mammary Gland		Fibroadenoma	
Note: MISTAKEN AS CLITORAL GLAND @ GROSS NEC [ Fibroadenoma TGLS = 1-15 ]			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 2-14			
Spleen		Leukemia Mononuclear	
Thyroid Gland	C Cell	Adenoma	
Uterus	Lamina Propria	Fibrosis	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 357

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 584

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Nose  
Salivary Glands  
Thymus

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Larynx  
Lymph Node - Mediastinal  
Ovary  
Spleen  
Thyroid Gland

Bone Marrow  
Heart  
Intestine Small - Ileum  
Lung  
Lymph Node - Mesenteric  
Pancreas  
Stomach - Forestomach  
Trachea

Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Bronchial  
Mammary Gland  
Parathyroid Gland  
Stomach - Glandular  
Urinary Bladder

OBSERVATIONS

Bone  
Intestine Large  
Kidney  
Liver

Vertebra  
Cecum  
  
Bile Duct

Cyst  
Parasite Metazoan  
Nephropathy  
Clear Cell Focus  
Hyperplasia  
Inflammation

Minimal  
Mild  
Mild  
Granulomatous, Focal, Minimal

Note: TGL3-NO OBVIOUS CORRESPONDING LESION SEE SLIDE#17

Pituitary Gland  
Skin

Pars Distalis

Hyperplasia  
Inflammation

Marked  
Focal, Moderate

[ Inflammation TGLS = 2-15 ]

Uterus

Lamina Propria

Fibrosis

Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 358

TRT#: 4

SEX: Female

DAY ON TEST: 626

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Bone

Bone Marrow

Clitoral Gland

Esophagus

Intestine Large - Cecum

Intestine Large - Colon

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Lung

Lymph Node - Bronchial

Lymph Node - Mandibular

Lymph Node - Mediastinal

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Salivary Glands

Skin

Spleen

Stomach - Glandular

Thymus

Thyroid Gland

Urinary Bladder

Uterus

MISSING

Intestine Large - Rectum

OBSERVATIONS

Brain

Compression

Heart

Cardiomyopathy

Mild

Kidney

Nephropathy

Mild

Note: [ NEPHROPATHY ] TGLs = 1,2-3

Larynx

Inflammation

Suppurative, Mild

Liver

Bile Duct

Hyperplasia

Mild

Inflammation

Granulomatous, Focal, Moderate

Pituitary Gland

Pars Distalis

Adenoma

Note: [ ADENOMA ] TGLs = 3-14

Stomach

Forestomach

Ulcer

Moderate

Trachea

Inflammation

Suppurative, Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 359

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 696

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Ovary  
Spleen  
Thyroid Gland

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Larynx  
Lymph Node - Mediastinal  
Pancreas  
Stomach - Forestomach  
Trachea

Bone  
Heart  
Intestine Small - Ileum  
Lung  
Lymph Node - Mesenteric  
Parathyroid Gland  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Bronchial  
Nose  
Skin  
Thymus  
Uterus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum

OBSERVATIONS

Brain  
Note: [ CARCINOMA ] TGLs = 4-1

Kidney  
Liver

Carcinoma  
Nephropathy  
Basophilic Focus  
Eosinophilic Focus  
Fatty Change

Metastatic (Pituitary Gland)  
Mild  
Minimal  
Minimal  
Mild

Note: TGL5-NO MICRO LESION THAT WOULD LOOK LIKE 2MM,PALE,FIRM-#16

Mammary Gland  
[ Fibroma TGLS = 1-15 ]

Fibroma

Pituitary Gland Pars Distalis  
Note: MALIGNANCY BASED ON BRAIN METASTASIS

Carcinoma

[ Carcinoma TGLS = 3-14 ]

Salivary Glands

Inflammation

Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

**ANIMAL ID:** 360

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 333

**DOSE:** CONTROL LUNG TOX

**DISP:** Scheduled Sacrifice

**HISTO:** 50791360

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Heart	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Larynx	Liver
Lung	Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

**MISSING**

Esophagus	Parathyroid Gland
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**OBSERVATIONS**

Intestine Large	Cecum	Parasite Metazoan	Mild
Lymph Node	Mediastinal	Congestion	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 373

TRT#: 4

SEX: Female

DAY ON TEST: 816

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Bronchial  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone  
Esophagus  
Intestine Small - Duodenum  
Larynx  
Lymph Node - Mediastinal  
Pancreas  
Skin  
Thymus  
Uterus

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spleen  
Thyroid Gland

**OBSERVATIONS**

Heart  
Kidney  
Liver  
Mammary Gland

Cardiomyopathy  
Nephropathy  
Basophilic Focus  
Fibroadenoma

Minimal  
Minimal  
Moderate

[ Fibroadenoma TGLS = 1-15 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 374

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 835

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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	Larynx	Lymph Node - Bronchial
Lymph Node - Mandibular	Lymph Node - Mediastinal	Nose	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Cortex	Leukemia Mononuclear	
	Medulla	Leukemia Mononuclear	
Bone		Hyperostosis	
Brain		Compression	
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 3-3			
Liver		Basophilic Focus	Moderate
		Fatty Change	Minimal
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
Lung	Alveolar Epith	Hyperplasia	Minimal
Lymph Node	Mesenteric	Leukemia Mononuclear	
Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-15 ]			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 4-14			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-3			
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Lamina Propria	Fibrosis	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE





Experiment Number: 05079-01

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Date Report Requested: 10/17/2014

Test Type: CHRONIC

Test Compound: Talc

Time Report Requested: 19:07:04

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 14807-96-6

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: LITRI

ANIMAL ID: 376

TRT#: 4

SEX: Female

DAY ON TEST: 677

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland	Nose
Ovary	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Cortex	Pigmentation	Hemosiderin, Moderate
Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Inflammation	Mild
Kidney		Nephropathy	Minimal
Larynx		Adenocarcinoma	Metastatic (Thyroid Gland)
Note: INVASION FROM THYROID			
Liver		Basophilic Focus	Minimal
		Fatty Change	Marked
	Bile Duct	Hyperplasia	Mild
		Necrosis	Focal, Minimal
Note: [ FATTY CHANGE ] TGLs = 2-4			
Lung		Inflammation	Suppurative, Marked
Note: [ INFLAMMATION ] TGLs = 6-5			
Note: [ INFLAMMATION ] TGLs = 7-5			
Note: [ INFLAMMATION ] TGLs = 8-6			
Note: [ INFLAMMATION ] TGLs = 9-15			
Note: BRONCHOPNEUMONIA PROB. RELATED TO LARYNGEAL DYSFUNC.			
Lymph Node	Bronchial	Adenocarcinoma	Metastatic (Thyroid Gland)
	Mediastinal	Adenocarcinoma	Metastatic (Thyroid Gland)
Note: [ ADENOCARC ] TGLs = 5-2			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 376

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 677

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ ADENOCARC ] TGLs = 4-2 Mesentery		Granuloma	Moderate
Note: [ GRANULOMA ] TGLs = 1-8 Note: MISTAKEN AS MES. LN @ GROSS			
Pancreas Lobules		Atrophy	Minimal
Parathyroid Gland Note: OBLITERATED BY C CELL CARCINOMA			
Thyroid Gland Bilateral, C Cell Note: BILATERAL BASED ON GROSS, BOTH THYROIDS OBLITERATED Note: MALIGNANCY BASED ON INVASION & METASTASIS		Carcinoma	
Note: [ ADENOCARC ] TGLs = 3-2			
Uterus Lamina Propria		Fibrosis	Minimal
PRIMARY CAUSE OF DEATH	-		

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 377

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 398

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Heart  
Intestine Small - Ileum  
Larynx  
Ovary  
Stomach - Forestomach  
Urinary Bladder

Brain  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Mesenteric  
Pancreas  
Stomach - Glandular

Clitoral Gland  
Intestine Large - Colon  
Islets, Pancreatic  
Mammary Gland  
Salivary Glands  
Thyroid Gland

Esophagus  
Intestine Small - Duodenum  
Kidney  
Nose  
Skin  
Trachea

MISSING

Intestine Large - Rectum

Lymph Node - Mandibular

Parathyroid Gland

Thymus

OBSERVATIONS

Adrenal Gland

Cortex  
Cortex

Degeneration  
Leukemia Mononuclear

Fatty, Marked

Note: [ DEGEN ] TGLs = 4-14

Bone

Pelvis

Fracture

Note: LESION SEEN GROSSLY IS IN MUSCLE

Note: FRACTURE SEEN AT GROSS

Bone Marrow

Leukemia Mononuclear

Clitoral GI

Note: SEE SLIDE 10

Liver

Fatty Change  
Leukemia Mononuclear  
Necrosis

Moderate

Focal, Mild

[ Leukemia Mononuclear TGLS = 2,3-4,15 ]

Lung

Leukemia Mononuclear

Lymph Node

Bronchial  
Lumbar  
Mediastinal  
Pancreatic  
Renal

Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear  
Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 5,7-16,18

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 377

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 398

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ LEUKEMIA MONUC ] TGLs = 6-17

Note: [ LEUKEMIA MONUC ] TGLs = 8-19

Pituitary Gland

Leukemia Mononuclear

Skeletal Muscle

Leukemia Mononuclear

Note: [ LEUKEMIA MONUC ] TGLs = 9-11,20

Note: LEUKEMIC CELLS IN MUSCLE OF FEMUR & VERTEBRAE

Spleen

Leukemia Mononuclear

[ Leukemia Mononuclear TGLS = 1-3 ]

Uterus

Polyp Stromal

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

**ANIMAL ID:** 378

**TRT#:** 10

**SEX:** Female

**DAY ON TEST:** 333

**DOSE:** CONTROL LUNG TOX

**DISP:** Scheduled Sacrifice

**HISTO:** 50791378

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Larynx  
Lymph Node - Mediastinal  
Ovary  
Skin  
Thymus

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lung  
Lymph Node - Mesenteric  
Pancreas  
Spleen  
Trachea

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Bronchial  
Mammary Gland  
Pituitary Gland  
Stomach - Forestomach  
Urinary Bladder

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Kidney  
Lymph Node - Mandibular  
Nose  
Salivary Glands  
Stomach - Glandular  
Uterus

**MISSING**

Parathyroid Gland

Thyroid Gland

**OBSERVATIONS**

Liver Inflammation

Chronic, Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 380

TRT#: 4

SEX: Female

DAY ON TEST: 863

DOSE: CONTROL

DISP: Terminal Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Bone Marrow

Brain

Clitoral Gland

Esophagus

Heart

Intestine Large - Cecum

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Larynx

Liver

Lung

Lymph Node - Mandibular

Lymph Node - Mediastinal

Lymph Node - Mesenteric

Nose

Pancreas

Parathyroid Gland

Pituitary Gland

Salivary Glands

Skin

Spleen

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

MISSING

Lymph Node - Bronchial

OBSERVATIONS

Adrenal Gland

Medulla

Hyperplasia

Minimal

Bone

Fibrous Osteodystrophy

Kidney

Nephropathy

Marked

Mammary Gland

Adenoma

Note: [ HYPERPLASIA ] TGLs = 1-15

Ovary

Cyst

Note: [ CYST ] TGLs = 2-9

Stomach

Forestomach

Ulcer

Moderate

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 381

TRT#: 4

SEX: Female

DAY ON TEST: 863

DOSE: CONTROL

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 Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lung	Lymph Node - Bronchial	Lymph Node - Mandibular
Lymph Node - Mediastinal	Lymph Node - Mesenteric	Nose	Ovary
Pancreas	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder		

MISSING

Intestine Large - Rectum	Parathyroid Gland
--------------------------	-------------------

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Moderate
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Focal, Mild
		Fibroadenoma	
Mammary Gland			
Note: [ FIBROADENOMA ] TGLs = 1-15			
Pituitary Gland	Pars Distalis	Hyperplasia	Minimal
Note: [ HYPERPLASIA ] TGLs = 2-14			
Uterus	Lamina Propria	Fibrosis	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 382

TRT#: 4

SEX: Female

DAY ON TEST: 762

DOSE: CONTROL

DISP: Natural Death

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Larynx  
Mammary Gland  
Parathyroid Gland  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Rectum  
Lymph Node - Bronchial  
Nose  
Pituitary Gland  
Thymus

Bone  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Mediastinal  
Ovary  
Salivary Glands  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Islets, Pancreatic  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Trachea

MISSING

Lymph Node - Mandibular

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

Intestine Small - Jejunum

OBSERVATIONS

Heart  
Kidney  
Liver  
  
Lung  
Note: [ EDEMA ] TGLs = 1-5,6  
Spleen  
Stomach  
Uterus

Cardiomyopathy  
Nephropathy  
Fatty Change  
Inflammation  
Edema  
  
Atrophy  
Inflammation  
Fibrosis

Minimal  
Minimal  
Moderate  
Granulomatous, Focal, Mild  
Moderate  
  
Moderate  
Minimal  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 383

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 824

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Larynx
Lung	Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mediastinal
Lymph Node - Mesenteric	Mammary Gland	Nose	Ovary
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Marked
Harderian Gland		Inflammation	Marked
Note: [ INFLAMMATION ] TGLs = 6-16			
Note: MISTAKEN AS LACRIMAL GLAND AT GROSS			
Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Inflammation	Mild
Islets, Pancreatic		Adenoma	
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 3-3			
Liver		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Mild
Note: [ FATTY CHANGE ] TGLs = 2-4			
Pancreas	Lobules	Atrophy	Minimal
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-14 ]			
Uterus	Endometrium	Hyperplasia	Minimal
[ Hyperplasia TGLS = 1-9,15 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 384

TRT#: 4

SEX: Female

DAY ON TEST: 634

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Brain  
Intestine Large - Colon  
Islets, Pancreatic  
Lymph Node - Mandibular  
Ovary  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Small - Duodenum  
Larynx  
Lymph Node - Mediastinal  
Pancreas  
Skin  
Thymus

Bone  
Esophagus  
Intestine Small - Ileum  
Lung  
Lymph Node - Mesenteric  
Parathyroid Gland  
Spleen  
Thyroid Gland

Bone Marrow  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Bronchial  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Trachea

MISSING

Intestine Large - Rectum

OBSERVATIONS

Heart  
Kidney  
  
Note: [ CYST ] TGLs = 3-3,15  
Liver  
  
Mammary Gland  
[ Fibroadenoma TGLS = 1-16 ]  
Uterus

Lamina Propria

Cardiomyopathy  
Cyst  
Nephropathy  
  
Basophilic Focus  
Inflammation  
Fibroadenoma  
  
Fibrosis

Mild  
Multiple  
Minimal  
  
Moderate  
Granulomatous, Focal, Minimal  
  
Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 397

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Clitoral Gland  
Intestine Large - Rectum  
Larynx  
Lymph Node - Mesenteric  
Pancreas  
Spleen  
Trachea

Adrenal Gland - Medulla  
Esophagus  
Intestine Small - Duodenum  
Lymph Node - Bronchial  
Mammary Gland  
Parathyroid Gland  
Stomach - Glandular  
Urinary Bladder

Bone  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Mandibular  
Nose  
Salivary Glands  
Thymus

Bone Marrow  
Intestine Large - Colon  
Islets, Pancreatic  
Lymph Node - Mediastinal  
Ovary  
Skin  
Thyroid Gland

AUTO PRECLUDES DIAG.

Intestine Small - Ileum

OBSERVATIONS

Brain  
Heart  
Kidney  
Liver

Compression  
Cardiomyopathy  
Nephropathy  
Fatty Change  
Hyperplasia  
Degeneration  
Adenoma

Mild  
Mild  
Minimal  
Minimal  
Focal, Moderate

Lung  
Pituitary Gland

Bile Duct  
Bronchus, Epithelium  
Pars Distalis

Ulcer  
Fibrosis

Moderate  
Minimal

Note: [ ADENOMA ] TGLs = 1-14

Stomach  
Uterus

Forestomach  
Lamina Propria

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 399

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 863

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum
Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic
Larynx	Lung	Lymph Node - Bronchial	Lymph Node - Mandibular
Lymph Node - Mediastinal	Lymph Node - Mesenteric	Mammary Gland	Pancreas
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Cortex	Hyperplasia	Focal, Mild
	Medulla	Hyperplasia	Minimal
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Marked
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
Nose	Nasolacrim Dct	Inflammation	Suppurative, Mild
Ovary		Cyst	Moderate
Note: [ CYST ] TGLs = 2-9			
Parathyroid Gland		Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 1-14			
Thyroid Gland	C Cell	Hyperplasia	Minimal
Uterus	Lamina Propria	Fibrosis	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 400

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 863

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Brain	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder		

OBSERVATIONS

Adrenal Gland	Medulla	Cyst	Mild
	Cortex	Leukemia Mononuclear	
	Medulla	Pheochromocytoma Benign	
Bone Marrow	Myeloid Cell	Hyperplasia	Mild
Clitoral Gland		Carcinoma	
Note: [ CARCINOMA ] TGLs = 1-15			
Heart		Cardiomyopathy	Minimal
		Leukemia Mononuclear	
Intestine Large	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Marked
Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 3-4			
Lung		Leukemia Mononuclear	
Lymph Node	Bronchial	Leukemia Mononuclear	
	Mandibular	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 5-2			
Note: [ LEUKEMIA MONUC ] TGLs = 4-2			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 6-14			
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 400

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 863

**DOSE:** CONTROL

**DISP:** Terminal Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

Note: [ LEUKEMIA MONUC ] TGLs = 2-3

Thyroid Gland

C Cell

Hyperplasia

Mild

Uterus

Lamina Propria

Fibrosis

Mild

---

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 401

TRT#: 10

SEX: Female

DAY ON TEST: 556

DOSE: CONTROL LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Adrenal Gland - Cortex  
Brain  
Intestine Large - Cecum  
Intestine Small - Ileum  
Lung  
Lymph Node - Mesenteric  
Pancreas  
Spleen  
Thyroid Gland

Adrenal Gland - Medulla  
Clitoral Gland  
Intestine Large - Colon  
Intestine Small - Jejunum  
Lymph Node - Bronchial  
Mammary Gland  
Parathyroid Gland  
Stomach - Forestomach  
Trachea

Bone  
Esophagus  
Intestine Large - Rectum  
Islets, Pancreatic  
Lymph Node - Mandibular  
Nose  
Salivary Glands  
Stomach - Glandular  
Urinary Bladder

Bone Marrow  
Heart  
Intestine Small - Duodenum  
Larynx  
Lymph Node - Mediastinal  
Ovary  
Skin  
Thymus  
Uterus

**OBSERVATIONS**

Kidney  
Liver

Nephropathy  
Basophilic Focus  
Hyperplasia  
Adenoma

Minimal  
Minimal  
Minimal

Bile Duct  
Pars Distalis

Pituitary Gland

Note: [ ADENOMA ] TGLs = 1-14

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 402

TRT#: 4

SEX: Female

DAY ON TEST: 678

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Lung	Lymph Node - Mandibular	Lymph Node - Mesenteric	Nose
Ovary	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Lymph Node - Bronchial	Lymph Node - Mediastinal
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Liver		Basophilic Focus	Marked
Mammary Gland		Fibroadenoma	
[ Fibroadenoma TGLS = 1-15 ]			
Pituitary Gland	Pars Distalis	Hyperplasia	Mild
Stomach			

Note: TGL2=COLON,MOD. ACUTE HEMORRAGE, NOT SIGNIF. SEE SLIDE#16

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 403

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 846

HISTO: ?

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone Marrow	Brain	Esophagus	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Larynx	Lymph Node - Bronchial	Lymph Node - Mandibular
Lymph Node - Mediastinal	Mammary Gland	Nose	Ovary
Pituitary Gland	Salivary Glands	Skin	Spleen
Stomach - Glandular	Thymus	Trachea	Urinary Bladder
Uterus			

MISSING

Clitoral Gland

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Focal, Minimal
	Medulla	Hyperplasia	Moderate
Bone		Fibrous Osteodystrophy	
Heart		Cardiomyopathy	Minimal
Intest Small			
Note: TGL5=CONGESTION, NOT SIGNIFICANT			
Intestine Large	Cecum	Inflammation	Mild
Kidney		Nephropathy	Marked
Note: [ NEPHROPATHY ] TGLs = 3-3			
Liver		Basophilic Focus	Minimal
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Suppurative, Moderate
		Necrosis	Focal, Mild
Note: [ INFLAMMATION ] TGLs = 2-4			
Lung		Inflammation	Suppurative, Moderate
Note: [ INFLAMMATION ] TGLs = 4-15			
Lymph Node	Mesenteric	Hyperplasia	Lymphoid, Moderate
Pancreas	Lobules	Atrophy	Minimal
Parathyroid Gland	Bilateral	Hyperplasia	Mild
Stomach	Forestomach	Ulcer	Moderate

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

---

**ANIMAL ID:** 403

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 846

**DOSE:** CONTROL

**DISP:** Natural Death

**HISTO:** ?

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: ULCER RESULTED IN RUPTURE

Note: [ ULCER ] TGLs = 1-7

Thyroid Gland

C Cell

Hyperplasia

Mild

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PRIMARY CAUSE OF DEATH

-

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\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 406

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 727

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Bronchial
Lymph Node - Mandibular	Lymph Node - Mediastinal	Mammary Gland	Nose
Ovary	Pancreas	Salivary Glands	Skin
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	

MISSING

Intestine Large - Rectum	Parathyroid Gland
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AUTO PRECLUDES DIAG.

Intestine Small - Ileum
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OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Harderian Gland		Inflammation	Mild
Note: [ INFLAMMATION ] TGLs = 7-15			
Note: MISTAKEN AS LACRIMAL GLAND AT GROSS			
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Marked
	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
		Necrosis	Focal, Minimal
Note: [ LEUKEMIA MONUC ] TGLs = 3-4			
Lung		Leukemia Mononuclear	
Lymph Node	Mesenteric	Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-8			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 6-14 ]			
Spleen		Leukemia Mononuclear	

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 406

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 727

**DOSE:** CONTROL

**DISP:** Natural Death

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

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Note: [ LEUKEMIA MONUC ] TGLs = 1-3

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PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 407

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 863

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex  
Esophagus  
Intestine Small - Ileum  
Lung  
Lymph Node - Mesenteric  
Pancreas  
Skin  
Thymus

Bone  
Intestine Large - Cecum  
Intestine Small - Jejunum  
Lymph Node - Bronchial  
Mammary Gland  
Parathyroid Gland  
Spleen  
Trachea

Bone Marrow  
Intestine Large - Colon  
Islets, Pancreatic  
Lymph Node - Mandibular  
Nose  
Pituitary Gland  
Stomach - Forestomach  
Urinary Bladder

Brain  
Intestine Small - Duodenum  
Larynx  
Lymph Node - Mediastinal  
Ovary  
Salivary Glands  
Stomach - Glandular

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland  
Clitoral Gland  
Note: [ CARCINOMA ] TGLs = 1-9  
Heart  
Kidney  
Liver  
  
Thyroid Gland  
Uterus

Medulla  
  
  
  
  
Bile Duct  
C Cell  
Lamina Propria

Pheochromocytoma Benign  
Carcinoma  
  
Cardiomyopathy  
Nephropathy  
Basophilic Focus  
Hyperplasia  
Adenoma  
Fibrosis

Mild  
Moderate  
Moderate  
Minimal  
  
  
Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 408

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 779

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Clitoral Gland
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mediastinal	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Salivary Glands	Skin	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Trachea	Urinary Bladder
Uterus			

MISSING

Parathyroid Gland

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Marked
Brain		Compression	
Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Inflammation	Minimal
Kidney		Nephropathy	Mild
Liver	Centrilobular	Degeneration	Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
Lung		Leukemia Mononuclear	
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ]	TGLs = 2-14		
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ]	TGLs = 1-3		

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 422

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 859

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Bone	Bone Marrow	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lymph Node - Bronchial
Lymph Node - Mandibular	Lymph Node - Mediastinal	Mammary Gland	Nose
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skin	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla Cortex	Hyperplasia Hyperplasia Hyperplasia	Marked Focal, Mild Marked
Clitoral Gland [ Hyperplasia TGLS = 1-9 ]			
Heart [ Cardiomyopathy TGLS = 4-3 ]	Atrium	Cardiomyopathy Thrombosis	Minimal
Intestine Large	Rectum	Inflammation	Minimal
Kidney [ Nephropathy TGLS = 3-3 ]		Nephropathy	Moderate
Liver	Centrilobular Bile Duct	Basophilic Focus Degeneration Hyperplasia Leukemia Mononuclear	Minimal Marked Mild
Note: [ DEGEN ] TGLs = 2-4			
Lung		Crystals	Focal, Moderate
Note: [ CRYSTALS ] TGLs = 5-16			
Lymph Node	Mesenteric	Inflammation	Chronic Active, Mild
Spleen		Leukemia Mononuclear	
Stomach	Forestomach	Ulcer	Moderate
Note: [ ULCER ] TGLs = 6-15			
Thyroid Gland	C Cell	Adenoma	

\* PROTOCOL REQUIRED TISSUE



**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 422

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 859

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

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**ORGAN AND ACCOUNTABLE SITE STATUS**

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 423

TRT#: 10

SEX: Female

DAY ON TEST: 739

DOSE: CONTROL LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

**ORGAN AND ACCOUNTABLE SITE STATUS**

**NORMAL**

Bone	Bone Marrow	Brain	Clitoral Gland
Esophagus	Intestine Large - Cecum	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lung	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Trachea
Urinary Bladder	Uterus		

**MISSING**

Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mediastinal
------------------------	-------------------------	--------------------------

**OBSERVATIONS**

Adrenal Gland	Medulla	Hyperplasia	Minimal
	Cortex	Vacuolization Cytoplasmic	Mild
Heart		Cardiomyopathy	Minimal
Intestine Large	Colon	Parasite Metazoan	
Kidney		Nephropathy	Mild
Liver	Bile Duct	Hyperplasia	Minimal
Mammary Gland		Fibroadenoma	
	Lobules	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 2-14			
Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 424

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 813

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Clitoral Gland
Esophagus	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Larynx
Lung	Lymph Node - Bronchial	Lymph Node - Mediastinal	Lymph Node - Mesenteric
Nose	Ovary	Parathyroid Gland	Salivary Glands
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Trachea	Urinary Bladder	

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Moderate
Blood Vessel	Mesent Artery	Aneurysm	
	Mesent Artery	Inflammation	Moderate
	Mesent Artery	Thrombosis	
Note: VASCULAR LESIONS MISTAKEN FOR BIG LN @ GROSS NEC.			
Note: VASCULAR LESIONS RESPONSIBLE FOR TISS. NOS			
Note: MANY BRANCHES OF MES. ARTERY INVOLVED			
[ Thrombosis TGLS = 11-17 ]			
Brain		Compression	
Heart		Cardiomyopathy	Marked
Intestine Large	Cecum	Inflammation	Moderate
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 12-3			
Liver		Basophilic Focus	Minimal
		Fatty Change	Moderate
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Moderate
Note: [ INFLAMMATION ] TGLs = 6-4			
Note: [ FATTY CHANGE ] TGLs = 7-4			
Lymph Node	Mandibular	Hyperplasia	Plasma Cell, Moderate
Note: VASCULAR LESIONS MISTAKEN FOR LN LESIONS @ GROSS			
Note: [ HYPERPLASIA ] TGLs = 2-10			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

**ANIMAL ID:** 424

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 813

**DOSE:** CONTROL

**DISP:** Natural Death

**HISTO:**

**ORGAN AND ACCOUNTABLE SITE STATUS**

Mammary Gland [ Fibroadenoma TGLS = 1-15 ]		Fibroadenoma	
Pancreas	Lobules	Atrophy	Mild
Pituitary Gland Note: [ ADENOMA ] TGLs = 10-14	Pars Distalis	Adenoma	
Thyroid Gland Note: MALIGNANCY BASED ON TUMOR CELLS IN ARTERY Note: [ CARCINOMA ] TGLs = 8-2	C Cell	Carcinoma	
Uterus [ Fibrosis TGLS = 3-15 ]	Lamina Propria	Cyst Fibrosis	Minimal

**PRIMARY CAUSE OF DEATH**

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 425

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 786

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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
Larynx	Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mesenteric
Mammary Gland	Pancreas	Parathyroid Gland	Salivary Glands
Skin	Stomach - Forestomach	Stomach - Glandular	Thymus
Trachea	Urinary Bladder	Uterus	

MISSING

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Bilateral, Medulla Cortex	Hyperplasia Hyperplasia Nephropathy	Marked Focal, Mild Moderate
Kidney			
Note: [ NEPHROPATHY ] TGLs = 4-3			
Liver	Centrilobular	Degeneration Eosinophilic Focus Fatty Change	Moderate Minimal Mild
	Bile Duct	Hyperplasia Leukemia Mononuclear	Mild
Note: [ DEGEN ] TGLs = 3-4			
Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Hemorrhage	Chronic, Mild
Note: [ HEMORRHAGE ] TGLs = 6-2			
Nose	Nerve	Developmental Malformation	Mild
Ovary		Cyst	
Note: [ CYST ] TGLs = 1-9			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 7-14			
Spleen		Leukemia Mononuclear	
Note: [ LEUKEMIA MONUC ] TGLs = 2-3			

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:04

**First Dose M/F:** NA / NA

**Lab:** LITRI

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**ANIMAL ID:** 425

**TRT#:** 4

**SEX:** Female

**DAY ON TEST:** 786

**DOSE:** CONTROL

**DISP:** Moribund Sacrifice

**HISTO:**

---

**ORGAN AND ACCOUNTABLE SITE STATUS**

---

Thyroid Gland

C Cell

Carcinoma

Note: MALIGNANCY BASED ONSIZE & FILLING OF LOBE

Note: [ CARCINOMA ] TGLs = 5-2

---

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 427

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Moribund Sacrifice

DAY ON TEST: 817

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Brain
Clitoral Gland	Esophagus	Intestine Large - Colon	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Lung
Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mediastinal	Lymph Node - Mesenteric
Mammary Gland	Nose	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Thymus	Thyroid Gland
Urinary Bladder			

OBSERVATIONS

Adrenal Gland	Medulla	Pheochromocytoma Benign	
Heart		Cardiomyopathy	Minimal
Intestine Large	Cecum	Inflammation	Mild
	Rectum	Inflammation	Moderate
Kidney		Nephropathy	Mild
Note: [ NEPHROPATHY ] TGLs = 2-3			
Larynx		Inflammation	Suppurative, Minimal
Liver		Basophilic Focus	Mild
	Centrilobular	Degeneration	Mild
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Moderate
Note: [ DEGEN ] TGLs = 1-4			
Stomach	Glandular	Ulcer	Moderate
Note: [ ULCER ] TGLs = 5-7			
Trachea		Inflammation	Suppurative, Mild
Uterus	Lamina Propria	Fibrosis	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 428

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Terminal Sacrifice

DAY ON TEST: 863

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Clitoral Gland
Esophagus	Intestine Large - Colon	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Larynx	Lung
Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mediastinal	Lymph Node - Mesenteric
Nose	Ovary	Pancreas	Parathyroid Gland
Salivary Glands	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thyroid Gland	Trachea	Urinary Bladder

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Mild
Bone Marrow		Inflammation	Granulomatous, Focal, Mild
Heart		Cardiomyopathy	Mild
Intestine Large	Cecum	Parasite Metazoan	
	Rectum	Parasite Metazoan	
Kidney		Nephropathy	Moderate
Liver		Basophilic Focus	Mild
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Focal, Minimal
		Fibroadenoma	
Mammary Gland			
Note: [ FIBROADENOMA ] TGLs = 1-15			
Pituitary Gland	Pars Distalis	Adenoma	
Note: [ ADENOMA ] TGLs = 3-14			
Thymus		Thymoma Benign	
Uterus	Lamina Propria	Fibrosis	Mild

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE



Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 429

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 599

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Bone Marrow	Clitoral Gland
Esophagus	Harderian Gland	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Islets, Pancreatic
Larynx	Lung	Lymph Node - Bronchial	Lymph Node - Mandibular
Lymph Node - Mediastinal	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Salivary Glands	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Trachea	Urinary Bladder	Uterus

AUTO PRECLUDES DIAG.

Intestine Small - Jejunum

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Brain		Compression	
Harderian GI			
Note: MISTAKEN AS LACRIMAL GLAND AT GROSS			
Heart		Cardiomyopathy	Minimal
Kidney		Nephropathy	Moderate
Note: [ NEPHROPATHY ] TGLs = 1-3			
Liver		Fatty Change	Marked
Nose	Respirat Epith	Hyperplasia	Mild
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 2-14 ]			

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 430

TRT#: 4

DOSE: CONTROL

SEX: Female

DISP: Natural Death

DAY ON TEST: 390

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Medulla  
Esophagus  
Larynx  
Lymph Node - Mesenteric  
Pituitary Gland  
Stomach - Glandular  
Uterus

Bone  
Heart  
Lymph Node - Bronchial  
Mammary Gland  
Salivary Glands  
Thyroid Gland

Bone Marrow  
Intestine Large - Colon  
Lymph Node - Mandibular  
Ovary  
Skin  
Trachea

Clitoral Gland  
Islets, Pancreatic  
Lymph Node - Mediastinal  
Pancreas  
Stomach - Forestomach  
Urinary Bladder

MISSING

Parathyroid Gland

Thymus

AUTO PRECLUDES DIAG.

Intestine Large - Cecum  
Intestine Small - Jejunum

Intestine Large - Rectum  
Nose

Intestine Small - Duodenum

Intestine Small - Ileum

OBSERVATIONS

Adrenal Gland  
Brain

Cortex

Necrosis  
Leukemia Mononuclear

Focal, Mild

Note: [ LEUKEMIA MONO ] TGLs = 4-1,15

Note: LESIONS ACTUALLY IN BRAIN, NOT MENINGES

Kidney  
Liver

Centrilobular

Leukemia Mononuclear  
Leukemia Mononuclear  
Necrosis

Minimal

Note: [ LEUKEMIA MONUC ] TGLs = 2-4

Lung

Note: [ LEUKEMIA MONUC ] TGLs = 3-5,6

Spleen

Leukemia Mononuclear

Leukemia Mononuclear

[ Leukemia Mononuclear TGLS = 1-3 ]

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 431

TRT#: 10

SEX: Female

DAY ON TEST: 194

DOSE: CONTROL LUNG TOX

DISP: Scheduled Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex

Adrenal Gland - Medulla

Brain

Clitoral Gland

Esophagus

Heart

Intestine Large - Colon

Intestine Large - Rectum

Intestine Small - Duodenum

Intestine Small - Ileum

Intestine Small - Jejunum

Islets, Pancreatic

Kidney

Larynx

Liver

Lung

Lymph Node - Bronchial

Lymph Node - Mandibular

Lymph Node - Mediastinal

Lymph Node - Mesenteric

Mammary Gland

Nose

Ovary

Pancreas

Parathyroid Gland

Pituitary Gland

Salivary Glands

Skin

Spleen

Stomach - Forestomach

Stomach - Glandular

Thymus

Thyroid Gland

Trachea

Urinary Bladder

Uterus

PRESENT BUT NOT EXAMINED

Tongue

OBSERVATIONS

Bone

Femur

Hyperplasia

Moderate

Note: HYPERPLASIA RESULTS IN INTERWOVEN BONE PATTERN OF CORTEX

Note: LESION INVOLVES ONLY ONE SIDE OF CORTEX

Bone Marrow

Hyperplasia

Histiocytic, Moderate

Note: ETIOLOGY NOT KNOWN

Intestine Large

Cecum

Parasite Metazoan

Mild

Note: PARASITE IS SYPHACIA

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

Experiment Number: 05079-01

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Talc

CAS Number: 14807-96-6

Date Report Requested: 10/17/2014

Time Report Requested: 19:07:04

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 432

TRT#: 4

SEX: Female

DAY ON TEST: 586

DOSE: CONTROL

DISP: Moribund Sacrifice

HISTO:

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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
Larynx	Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mediastinal
Lymph Node - Mesenteric	Nose	Ovary	Pancreas
Parathyroid Gland	Salivary Glands	Skin	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Trachea
Urinary Bladder			

AUTO PRECLUDES DIAG.

Intestine Large - Rectum

OBSERVATIONS

Adrenal Gland	Cortex	Degeneration	Fatty, Mild
	Medulla	Hyperplasia	Mild
Kidney		Nephropathy	Minimal
Liver		Basophilic Focus	Mild
		Fatty Change	Mild
	Bile Duct	Hyperplasia	Minimal
Lung		Adenocarcinoma	Metastatic (Mammary Gland), Multiple (Mammary Gland)
Note: [ ADENOCARC ] TGLs = 2,3,4-5,6,15			
Mammary Gland		Adenocarcinoma	
Note: [ ADENOCARC ] TGLs = 1-15			
Note: METASTSIZED			
Note: ARISING FROM FIBROADENOMA			
Pituitary Gland	Pars Distalis	Adenoma	
[ Adenoma TGLS = 5-14 ]			
Spleen		Hematopoietic Cell Proliferation	Moderate
Uterus	Lamina Propria	Fibrosis	Minimal

PRIMARY CAUSE OF DEATH

-

\* PROTOCOL REQUIRED TISSUE

**Experiment Number:** 05079-01

**Test Type:** CHRONIC

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** Rat/F 344/N

**P14: INDIVIDUAL ANIMAL PATHOLOGY DATA**

**Test Compound:** Talc

**CAS Number:** 14807-96-6

**Date Report Requested:** 10/17/2014

**Time Report Requested:** 19:07:05

**First Dose M/F:** NA / NA

**Lab:** LITRI

**\*\* END OF REPORT \*\***

\* PROTOCOL REQUIRED TISSUE