

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

C Number: C09007

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Male

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_432

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain		Hemorrhage
		Necrosis, Focal
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Inflammation, Chronic Diffuse
	Colon	Necrosis, Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Hemorrhage
		Inflammation, Chronic
		Pigmentation, Nos
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_433

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Retina

Cornea

Heart

Kidney

Myocardium Nos

Tubule

Liver

Lung

Lymph node

Mandibular Lymph Node

Mandibular Lymph Node

Oral mucosa

Prostate

Testis

Unspecified

Multiple Organs Nos

Pheochromocytoma, Malignant

Cataract

Degeneration, Nos

Inflammation, Chronic Diffuse

Synechia, Posterior

Inflammation, Chronic Diffuse

Inflammation, Chronic

Pigmentation, Nos

Focal Cellular Change

Inflammation, Chronic

Fibrosis, Focal

Hyperplasia, Lymphoid

Squamous Cell Carcinoma

Inflammation, Chronic Focal

Interstitial-Cell Tumor

Squamous Cell Carcinoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_434

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Esophagus		Hyperkeratosis
Intestine Large	Colon	Parasitism
Intestine Small	Mesentery Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
Lung		Congestion, Nos
		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Pituitary gland		Carcinoma, Nos
Prostate		Hyperplasia, Focal
		Inflammation, Chronic Focal
Spleen		Hemosiderosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_435	TRT#: 1 DOSE: 0	SEX: Male DISP: Natural Death	DAY ON TEST: HISTO:
<hr/> OBSERVATIONS			
Adrenal gland	Cortex Nos	Congestion, Nos	
Eye	Retina	Cataract	
		Degeneration, Nos	
Heart	Myocardium Nos	Hemorrhage	
Kidney		Inflammation, Chronic Diffuse	
Liver	Bile Duct	Inflammation, Chronic	
		Fibrosis	
	Bile Duct	Focal Cellular Change	
		Hyperplasia, Nos	
		Leukocytosis, Nos	
		Metamorphosis, Fatty	
Lung		Necrosis, Focal	
		Inflammation, Chronic	
		Leukocytosis, Nos	
Lymph node	Mediastinal Lymph Node	Hemorrhage	
	Mediastinal Lymph Node	Hyperplasia, Reticulum Cell	
	Mediastinal Lymph Node	Lymphangiectasis	
	Mediastinal Lymph Node	Pigmentation, Nos	
Mammary gland		Fibroadenoma	
Preputial gland		Hyperkeratosis	
Spleen		Hematopoiesis	
Testis		Hyperplasia, Interstitial Cell	
		Interstitial-Cell Tumor	
Unspecified	Groin	Fibroma	
<hr/> PRIMARY CAUSE OF DEATH -			

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_436

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Brain		Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung		Hemorrhage
		Inflammation, Chronic
Stomach		Acanthosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_437

TRT#: 1

DOSE: 0

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Adrenal gland
Esophagus
Kidney
Lung
Pancreas
Prostate
Stomach

Necrosis, Nos
Acanthosis
Inflammation, Chronic
Inflammation, Chronic
Atrophy, Focal
Inflammation, Acute
Acanthosis
Carcinoma In Situ, Nos
Hyperkeratosis
Inflammation, Chronic
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor

Testis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_438

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Head	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_439

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Blood vessel	Pulmonary Artery Nos	Inflammation, Chronic
Eye		Cataract
Heart	Retina	Degeneration, Nos
Intestine Large	Myocardium Nos	Inflammation, Chronic Focal
Kidney	Colon	Parasitism
Liver		Inflammation, Chronic
	Bile Duct	Fibrosis Focal Cellular Change Granuloma, Nos Pigmentation, Nos
Lung	Alveoli	Histiocytosis Inflammation, Chronic
Lymph node	Mediastinal Lymph Node Mandibular Lymph Node Mesenteric Lymph Node	Erythrophagocytosis Lymphangiectasis Lymphangiectasis
Mammary gland		Fibroadenoma
Pancreas	Islets	Hyperplasia, Focal
Parathyroid gland		Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Back	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_440

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis Pheochromocytoma
Bone	Scapula	Osteosarcoma
Eye		Cataract Hemorrhage
Kidney	Cornea	Inflammation, Chronic Diffuse
Liver	Cortex	Cyst, Nos Focal Cellular Change Hemorrhage Necrosis, Focal Neoplastic Nodule Thrombosis, Nos
Pancreas		Acinar-Cell Adenoma Atrophy, Focal Islet-Cell Carcinoma
Pituitary gland	Islets	Angiectasis
Prostate		Abscess, Nos
Spleen		Hematopoiesis Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Hyperplasia, Nos
	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Osteosarcoma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_441

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Pheochromocytoma

Eye

Retina

Degeneration, Nos

Kidney

Inflammation, Chronic

Liver

Bile Duct

Hyperplasia, Nos

Lung

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

Unspecified

Tunica Vaginalis

Mesothelioma, Malignant

Multiple Organs Nos

Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_442

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Lymphangiectasis
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		Follicular-Cell Adenoma
Unspecified	Axilla	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_443

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Congestion, Nos Pheochromocytoma
Eye	Retina Cornea	Cataract Degeneration, Nos Inflammation, Chronic Diffuse Phthisis Bulbi
Heart	Myocardium Nos	Neurilemoma
Intestine Large	Colon	Fibrosis, Focal
Kidney	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change Neoplastic Nodule
Lung		Squamous Cell Carcinoma
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
Stomach		Acanthosis Ulcer, Perforated
Testis		Degeneration, Nos Interstitial-Cell Tumor Periarteritis
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos Multiple Organs Nos Multiple Organs Nos	Hyperplasia, Nos Inflammation, Chronic Leukemia, Monocytic
Urinary bladder		Transitional-Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_444

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Ectopia
Parathyroid gland		Hyperplasia, Nos
Spleen		Fibrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_445

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Granuloma, Nos
		Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
		Hyperplasia, Nos
Pancreas	Islets	Islet-Cell Carcinoma
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Follicular-Cell Adenoma
		Hyperplasia, C Cell
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_446

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Esophagus		Hyperkeratosis
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Synechia, Posterior
	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Focal
	Tubule	Inflammation, Chronic
Liver		Pigmentation, Nos
Lung		Pigmentation, Nos
	Alveoli	Alveolar/Bronchiolar Adenoma
		Histiocytosis
		Hyperplasia, Alveolar Epithelium
Lymph node	Mandibular Lymph Node	Inflammation, Chronic
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Hyperplasia, Reticulum Cell
Oral mucosa		Hyperplasia, Nos
Pancreas		Squamous Cell Carcinoma
Salivary gland		Atrophy, Focal
Spleen		Inflammation, Chronic Diffuse
Testis		Hemosiderosis
Unspecified	Multiple Organs Nos	Interstitial-Cell Tumor
		Squamous Cell Carcinoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_447

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Esophagus		Hyperkeratosis
Eye		Cataract
	Retina	Degeneration, Nos
Intestine Large	Cecum, Colon	Adenomatous Polyp, Nos
	Transverse Colon, Colon	Carcinoma, Nos
Intestine Small	Ileum	Inflammation, Acute Focal
	Ileum	Necrosis, Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Alveolar/Bronchiolar Carcinoma
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Lymphangiectasis
Pancreas	Islets	Islet-Cell Adenoma
	Islets	Islet-Cell Carcinoma
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Abdominal Cavity	Steatitis
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_448

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Liver		Metamorphosis, Fatty
		Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Mastocytosis
Prostate		Hyperplasia, Epithelial
		Inflammation, Chronic Focal
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Zymbal gland		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_449

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Testis

Interstitial-Cell Tumor

Unspecified

Sarcoma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_450

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Bile Duct

Lymph node

Spleen

Testis

Mesenteric Lymph Node

Unspecified

Multiple Organs Nos

Abdominal Cavity

Inflammation, Chronic

Hyperplasia, Nos

Hemorrhage

Hyperplasia, Alveolar Epithelium

Inflammation, Chronic

Hyperplasia, Reticulum Cell

Fibrosis, Diffuse

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Leukemia, Monocytic

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_451

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Stomach

Myocardium Nos

Pheochromocytoma

Inflammation, Chronic Focal

Inflammation, Chronic

Granuloma, Nos

Metamorphosis, Fatty

Inflammation, Chronic

Acanthosis

Hyperkeratosis

Inflammation, Acute Focal

Testis

Interstitial-Cell Tumor

Thyroid

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_452

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Pheochromocytoma

Kidney

Inflammation, Chronic

Liver

Bile Duct

Hyperplasia, Nos

Lung

Bile Duct

Inflammation, Chronic

Prostate

Inflammation, Chronic

Testis

Inflammation, Chronic Focal

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_453

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Small	Mesentery Nos	Hemorrhage
	Mesentery Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Prostate		Inflammation, Chronic Focal
Stomach		Ulcer, Perforated
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_454

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Small	Jejunum	Diverticulum
Kidney		Inflammation, Chronic
		Mineralization
Liver	Tubule	Pigmentation, Nos
		Focal Cellular Change
		Granuloma, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Atrophy, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Thorax	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_455

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Angiectasis
Testis		Hyperplasia, Interstitial Cell
Unspecified		Interstitial-Cell Tumor
		Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_456

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Esophagus		Hyperkeratosis
Eye	Retina	Degeneration, Nos Empyema Hemorrhage
Kidney	Cornea	Inflammation, Acute Diffuse
Liver		Inflammation, Chronic Focal Cellular Change Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas	Islets	Hyperplasia, Focal
Spleen		Hematopoiesis Hemosiderosis
Stomach		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma Hyperplasia, C Cell
Zymbal gland		Cystic Ducts Keratoacanthoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_457

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver	Bile Duct	Fibrosis
	Bile Duct	Focal Cellular Change
		Hyperplasia, Nos
		Metamorphosis, Fatty
		Necrosis, Focal
Lymph node	Mesenteric Lymph Node	Lymphangiectasis
Prostate		Inflammation, Chronic Focal
Stomach		Inflammation, Chronic Diffuse
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Urinary bladder		Transitional-Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_458

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Intestine Large	Cecum, Colon	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hemorrhage
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Salivary gland	Submaxillary Gland Nos	Atrophy, Nos
	Submaxillary Gland Nos	Inflammation, Chronic
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Zymbal gland		Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_459

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Granuloma, Nos
		Leukocytosis, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Lymphangiectasis
Pituitary gland		Hyperplasia, Focal
Preputial gland		Cystic Ducts
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:47

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_460

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Hyperplasia, Focal Pheochromocytoma
Bone	Skull	Osteopetrosis
Bone marrow		Hyperplasia, Nos
Eye	Retina	Degeneration, Nos
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos Focal Cellular Change Granuloma, Nos
	Bile Duct	Hyperplasia, Nos Inflammation, Chronic
Lung		
Lymph node	Mandibular Lymph Node Mesenteric Lymph Node	Hyperplasia, Lymphoid Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Pancreas		Atrophy, Focal
	Islets	Islet-Cell Carcinoma
Preputial gland		Squamous Cell Carcinoma
Prostate		Hyperplasia, Epithelial Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_461

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Hemangiosarcoma
Intestine Small	Duodenum	Fibrosarcoma
Liver		Degeneration, Nos
		Focal Cellular Change
		Hepatitis, Toxic
		Necrosis, Focal
		Neoplastic Nodule
Pancreas		Acinar-Cell Adenoma
Prostate		Abscess, Nos
Spleen		Fibrosis, Focal
		Hematopoiesis
Stomach		Acanthosis
		Hyperkeratosis
		Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Cyst, Nos
		Fibroma
	Multiple Organs Nos	Hyperplasia, Nos
	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_462

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic Inflammation, Interstitial
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Hyperplasia, Nos
Pancreas		Acinar-Cell Adenoma
Prostate		Hyperplasia, Focal
		Inflammation, Chronic Focal
Spleen		Fibrosis, Diffuse Hematopoiesis Hemosiderosis
Testis		Interstitial-Cell Tumor
Unspecified	Flank	Fibroma
Zymbal gland		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_463

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Lymphangiectasis
Skin	Mouth	Squamous Cell Carcinoma
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_464

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung	Pleura Nos	Hemorrhage
		Inflammation, Chronic
	Pleura Nos	Mesothelioma, Malignant
Lymph node	Mediastinal Lymph Node	Mesothelioma, Metastatic
Pituitary gland		Adenoma, Nos
		Hyperplasia, Focal
Prostate		Abscess, Nos
		Inflammation, Chronic Diffuse
Spleen		Hemosiderosis
Stomach		Acanthosis
		Inflammation, Chronic Diffuse
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_465

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Leukocytosis, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mesenteric Lymph Node	Lymphangiectasis
	Mediastinal Lymph Node	Pigmentation, Nos
Preputial gland		Abscess, Nos
		Squamous Cell Carcinoma
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		Hyperplasia, C Cell
Unspecified	Back	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_466

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Congestion, Nos
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Pigmentation, Nos
Pancreas	Islets	Islet-Cell Carcinoma
Spleen		Hemosiderosis
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_467

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Cortical Adenoma
	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_468

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Pancreas

Atrophy, Focal

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_469

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Lymph node

Stomach

Testis

Thyroid

Myocardium Nos

Bile Duct

Bile Duct

Mesenteric Lymph Node

Pheochromocytoma

Inflammation, Chronic Focal

Inflammation, Chronic

Hyperplasia, Nos

Inflammation, Chronic

Inflammation, Chronic

Hyperplasia, Reticulum Cell

Inflammation, Chronic Focal

Necrosis, Focal

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_470

TRT#: 1

DOSE: 0

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Liver

Lung

Mammary gland

Prostate

Testis

Inflammation, Chronic

Focal Cellular Change

Inflammation, Chronic

Fibroadenoma

Inflammation, Acute Focal

Degeneration, Nos

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Hyperplasia, C Cell

Thyroid

Unspecified

Diaphragm Nos

Hernia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_471

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Cecum, Colon	Necrosis, Focal
Intestine Small	Mesentery Nos	Inflammation, Acute Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Necrosis, Focal
Lung		Congestion, Nos
		Inflammation, Chronic
Lymph node	Ileocolic Lymph Node	Edema, Nos
	Ileocolic Lymph Node	Inflammation, Acute Diffuse
	Ileocolic Lymph Node	Necrosis, Nos
Mammary gland		Fibroadenoma
Pancreas	Acinus	Hyperplasia, Focal
	Islets	Hyperplasia, Focal
		Inflammation, Acute Diffuse
Stomach		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_472

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Chest	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_473

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mediastinal Lymph Node	Pigmentation, Nos
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_474

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis, Multifocal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Stomach		Hyperkeratosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, crocidolite
CAS Number: 12001-28-4

Date Report Requested: 10/26/2014
Time Report Requested: 12:25:48
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 1_475

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Necrosis, Focal
Intestine Small	Mesentery Nos	Granuloma, Nos
Kidney		Inflammation, Chronic Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos Pigmentation, Nos Thrombosis, Nos
Lung		Alveolar/Bronchiolar Carcinoma
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Ileocolic Lymph Node	Lymphangiectasis
	Mesenteric Lymph Node	Lymphangiectasis
Pancreas		Periarteritis
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Alveolar/Bronchiolar Carcinoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_476

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Pheochromocytoma

Kidney

Fibrosis, Diffuse

Inflammation, Chronic

Liver

Tubule

Pigmentation, Nos

Bile Duct

Fibrosis

Bile Duct

Hyperplasia, Nos

Bile Duct

Inflammation, Chronic

Metamorphosis, Fatty

Necrosis, Focal

Pigmentation, Nos

Lung

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Adenoma

Unspecified

Multiple Organs Nos

Follicular-Cell Adenoma

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_477

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Bone	Mandible	Osteosarcoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
	Bile Duct	Fibrosis
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Pigmentation, Nos
Prostate		Inflammation, Chronic Diffuse
Skin	Lip Nos	Basal-Cell Tumor
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Osteosarcoma, Invasive
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_478

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Blood vessel	Aorta Nos	Mineralization
Heart	Myocardium Nos	Mineralization
Kidney		Mineralization
	Tubule	Pigmentation, Nos
Liver		Angiectasis
		Focal Cellular Change
		Hepatocellular Carcinoma
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Carcinoma, Nos
Spleen		Hematopoiesis
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Inflammation, Chronic
Urinary bladder		Hyperplasia, Epithelial
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_479

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Cortical Adenoma

Hyperplasia, Focal

Thrombosis, Nos

Kidney

Tubule

Inflammation, Chronic

Pigmentation, Nos

Liver

Focal Cellular Change

Granuloma, Nos

Lung

Inflammation, Chronic

Skeletal muscle

Neck

C-Cell Carcinoma, Invasive

Skin

Back

Cyst, Epidermal Inclusion

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Thyroid

C-Cell Carcinoma

Trachea

C-Cell Carcinoma, Invasive

Zymbal gland

Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_480

TRT#: 1
DOSE: 0

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Angiectasis Hyperplasia, Focal Pheochromocytoma, Malignant
Eye	Retina	Degeneration, Nos Empyema
Heart	Cornea	Inflammation, Chronic Diffuse
Kidney	Myocardium Nos	Inflammation, Chronic Diffuse Inflammation, Chronic
Liver	Tubule	Pigmentation, Nos Focal Cellular Change Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Skin	Back	Metaplasia, Osseous
Stomach		Hyperplasia, Epithelial Inflammation, Acute Focal Mineralization
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_481

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Medulla Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Kidney	Cortex	Cyst, Nos
Liver	Bile Duct	Degeneration, Nos Focal Cellular Change Hyperplasia, Nos Pigmentation, Nos
Lung	Alveoli	Hemorrhage
Lymph node	Mediastinal Lymph Node	Histiocytosis
Mammary gland		Pigmentation, Nos
Pancreas	Islets	Fibroadenoma Atrophy, Diffuse Islet-Cell Carcinoma
Parathyroid gland		Hyperplasia, Nos
Preputial gland		Abscess, Nos Hyperplasia, Diffuse
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Monocytic
	Multiple Organs Nos	Mineralization
Zymbal gland		Abscess, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_482

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Thrombosis, Nos
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos Focal Cellular Change Hepatitis, Toxic Hepatocellular Carcinoma
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Cystic Ducts Fibrosis, Focal Hyperplasia, Nos
Pancreas		Atrophy, Diffuse
Stomach		Acanthosis Hyperkeratosis Inflammation, Chronic Diffuse
Testis		Necrosis, Focal
Unspecified	Multiple Organs Nos	Interstitial-Cell Tumor Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_483

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Epididymis		Mesothelioma, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas	Islets	Islet-Cell Carcinoma
Pituitary gland		Adenoma, Nos
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_484

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone marrow

Congestion, Nos

Hemorrhage

Ear

Canal

Hypoplasia, Nos

Heart

Myocardium Nos

Squamous Cell Carcinoma

Kidney

Inflammation, Chronic Diffuse

Inflammation, Acute Focal

Inflammation, Chronic

Liver

Hepatocellular Carcinoma

Metamorphosis, Fatty

Necrosis, Focal

Lung

Congestion, Nos

Hemorrhage

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Hyperplasia, Lymphoid

Spleen

Amyloidosis

Stomach

Ulcer, Perforated

Testis

Interstitial-Cell Tumor

Thyroid

Cyst, Follicular Nos

Unspecified

Back

Fibroma

Zymbal gland

Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_485

TRT#: 1

DOSE: 0

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Lung

Inflammation, Chronic

Prostate

Inflammation, Chronic Focal

Stomach

Acanthosis

Testis

Hyperplasia, Interstitial Cell

Unspecified

Interstitial-Cell Tumor

Fibroma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_486

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Eye

Cataract

Retina

Degeneration, Nos

Kidney

Inflammation, Chronic

Tubule

Pigmentation, Nos

Liver

Focal Cellular Change

Bile Duct

Hyperplasia, Nos

Lung

Metamorphosis, Fatty

Prostate

Inflammation, Chronic

Testis

Inflammation, Chronic Focal

Thyroid

Interstitial-Cell Tumor

Unspecified

Hyperplasia, C Cell

Abdominal Cavity

Lipoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_487

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Myocardium Nos

Lung

Lymph node

Spleen

Testis

Thyroid

Mesenteric Lymph Node

Pheochromocytoma

Inflammation, Chronic Focal

Inflammation, Chronic

Focal Cellular Change

Leukocytosis, Nos

Metamorphosis, Fatty

Inflammation, Chronic

Lymphangiectasis

Hyperplasia, Lymphoid

Interstitial-Cell Tumor

C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_488

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Inflammation, Chronic

Lung

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_489

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Lymphangiectasis
Pancreas	Acinus	Hyperplasia, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Hyperplasia, Focal
Prostate		Abscess, Nos Inflammation, Chronic Diffuse
Stomach		Acanthosis Hyperkeratosis Inflammation, Chronic Diffuse
Testis		Ulcer, Perforated
Urinary bladder		Interstitial-Cell Tumor Inflammation, Chronic Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_490

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Intestine Large
Kidney
Liver

Lung
Stomach
Testis

Medulla
Myocardium Nos
Cecum, Colon

Hyperplasia, Focal
Inflammation, Chronic Focal
Hemorrhage
Inflammation, Chronic
Focal Cellular Change
Metamorphosis, Fatty
Inflammation, Chronic
Necrosis, Focal
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_491

TRT#: 1
DOSE: 0

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos	Angiectasis Metamorphosis, Fatty Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change Metamorphosis, Fatty Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node Mediastinal Lymph Node	Hyperplasia, Reticulum Cell Pigmentation, Nos
Mammary gland		Fibroadenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Prostate		Hyperplasia, Epithelial
Salivary gland		Inflammation, Chronic Focal
Spleen		Inflammation, Chronic Focal
Stomach		Hemosiderosis Acanthosis
Testis		Inflammation, Chronic Diffuse
Thyroid		Interstitial-Cell Tumor
Unspecified	Back	C-Cell Carcinoma Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_492

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
Liver		Hepatitis, Toxic
Lung		Congestion, Nos
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Atrophy, Nos
	Mesenteric Lymph Node	Congestion, Nos
Pituitary gland		Angiectasis
		Hyperplasia, Focal
Spleen	Follicles	Atrophy, Nos
Stomach		Necrosis, Focal
		Ulcer, Perforated
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Back	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_493

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Epididymis		Necrosis, Fat
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Fibrosis
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Renal Lymph Node	Pigmentation, Nos
Preputial gland		Cystic Ducts
Prostate		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Back	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_494

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Pancreas	Islets	Islet-Cell Carcinoma
Prostate		Inflammation, Chronic Focal
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Focal
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_495

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Granuloma, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Atrophy, Focal
Spleen		Hematopoiesis
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Shoulder	Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_496

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Stomach

Hyperkeratosis

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_497

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node		Hemorrhage
	Mediastinal Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Islet-Cell Carcinoma
Pancreas		Hematopoiesis
Spleen		Hyperplasia, Interstitial Cell
Testis		Interstitial-Cell Tumor
		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_498

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Cortex	Cyst, Multiple Inflammation, Chronic Mineralization
Liver	Tubule	Pigmentation, Nos Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic Neoplastic Nodule
Lung		Inflammation, Chronic Squamous Cell Carcinoma, Metastatic
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Acute Diffuse Inflammation, Chronic Diffuse
Salivary gland		Sarcoma, Nos
Skin		Squamous Cell Carcinoma
Stomach		Hyperplasia, Epithelial Mineralization
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_499

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Pituitary gland

Adenoma, Nos

Prostate

Inflammation, Chronic Focal

Stomach

Acanthosis

Testis

Inflammation, Chronic

Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_500

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Blood vessel	Mesenteric Artery Nos	Inflammation, Chronic
Bone marrow		Hypoplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Cortex	Cyst, Nos
		Hyperplasia, Tubular Cell
		Inflammation, Chronic
Liver	Tubule	Pigmentation, Nos
	Bile Duct	Cyst, Nos
		Focal Cellular Change
		Hematopoiesis
		Metamorphosis, Fatty
Lung		Necrosis, Focal
Lymph node	Mesenteric Lymph Node	Inflammation, Chronic
Mammary gland		Hemorrhage
Parathyroid gland		Fibroadenoma
Skin	Eyelid Nos	Hyperplasia, Nos
Stomach		Fibrosarcoma
		Acanthosis
		Hyperkeratosis
Testis		Inflammation, Chronic Diffuse
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_501

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Bone marrow		Hypoplasia, Nos
Kidney	Cortex Tubule	Cyst, Nos Pigmentation, Nos
Liver		Focal Cellular Change Metamorphosis, Fatty Pigmentation, Nos
Lymph node	Mesenteric Lymph Node Mediastinal Lymph Node	Hyperplasia, Reticulum Cell Pigmentation, Nos
Mammary gland		Hyperplasia, Nos
Pancreas		Acinar-Cell Adenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Prostate		Hyperplasia, Focal
Spleen		Hemosiderosis
Stomach		Hyperplasia, Epithelial
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Flank Multiple Organs Nos Multiple Organs Nos	Fibroma Inflammation, Chronic Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_502

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Intestine Small
Kidney

Cortex Nos
Myocardium Nos
Jejunum

Metamorphosis, Fatty
Inflammation, Chronic Focal
Fibrosarcoma
Inflammation, Chronic
Mineralization

Liver
Lung

Tubule
Bile Duct

Pigmentation, Nos
Inflammation, Chronic
Inflammation, Chronic
Inflammation, Interstitial
Pigmentation, Nos

Lymph node

Mesenteric Lymph Node
Mesenteric Lymph Node

Erythrophagocytosis
Hyperplasia, Reticulum Cell
Acinar-Cell Adenoma
Hyperplasia, Nos
Abscess, Nos
Inflammation, Chronic Diffuse

Pancreas
Parathyroid gland
Prostate

Skin
Stomach

Ear

Fibrosarcoma
Mineralization
Necrosis, Focal
Degeneration, Nos
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor
Cystic Ducts

Testis

Zymbal gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_503

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos Metamorphosis, Fatty Necrosis, Focal Pigmentation, Nos
Lung		Inflammation, Chronic
Prostate		Inflammation, Chronic Focal
Seminal vesicle		Inflammation, Chronic Diffuse
Stomach		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_504

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Inflammation, Chronic

Liver

Focal Cellular Change

Necrosis, Nos

Lung

Inflammation, Chronic

Prostate

Inflammation, Acute Focal

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Thyroid

Hyperplasia, Follicular Cell

Unspecified

Flank

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_505

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Kidney

Lung

Lymph node

Pituitary gland

Spleen

Testis

Unspecified

Tubule

Mediastinal Lymph Node

Tunica Vaginalis

Multiple Organs Nos

Hyperplasia, Focal

Inflammation, Chronic

Pigmentation, Nos

Inflammation, Chronic

Lymphangiectasis

Adenoma, Nos

Hematopoiesis

Interstitial-Cell Tumor

Mesothelioma, Malignant

Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_506

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver	Bile Duct	Fibrosis
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma
		Hyperplasia, Nos
Pancreas		Inflammation, Chronic Focal
Preputial gland		Cystic Ducts
Prostate		Inflammation, Chronic Focal
Stomach		Acanthosis
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_507

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Cortex Nos
Myocardium Nos

Metamorphosis, Fatty
Inflammation, Chronic Diffuse
Inflammation, Chronic

Liver
Lung
Mammary gland
Pancreas
Spleen
Stomach

Tubule
Bile Duct

Pigmentation, Nos
Hyperplasia, Nos
Inflammation, Chronic
Fibroadenoma
Islet-Cell Carcinoma
Hemosiderosis
Acanthosis
Hyperkeratosis
Inflammation, Chronic Diffuse
Necrosis, Focal
Interstitial-Cell Tumor

Testis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_508

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Lung

Inflammation, Chronic

Lymph node

Ileocolic Lymph Node

Lymphangiectasis

Preputial gland

Cystic Ducts

Testis

Hyperplasia, Interstitial Cell

Unspecified

Back

Interstitial-Cell Tumor

Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_509

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Liver

Hepatitis, Toxic

Lung

Inflammation, Chronic

Pancreas

Ectopia

Prostate

Inflammation, Chronic Focal

Seminal vesicle

Cystic Ducts

Stomach

Acanthosis

Hyperkeratosis

Inflammation, Chronic

Necrosis, Focal

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_510

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Hyperplasia, Focal Pheochromocytoma
Eye	Retina Cornea	Degeneration, Nos Inflammation, Chronic Diffuse
Kidney	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Mammary gland		Adenocarcinoma, Nos Hyperplasia, Diffuse
Pancreas	Acinus	Hyperplasia, Focal
Parathyroid gland		Hyperplasia, Nos
Skin	Back	Basal-Cell Carcinoma
Spleen		Hematopoiesis
Stomach		Fibrosis, Diffuse
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos Multiple Organs Nos Multiple Organs Nos	Inflammation, Chronic Leukemia, Monocytic Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_511

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Large

Cecum, Colon

Hemorrhage

Kidney

Inflammation, Chronic

Liver

Bile Duct

Hyperplasia, Nos

Lung

Inflammation, Chronic

Lymph node

Mandibular Lymph Node

Hyperplasia, Lymphoid

Pancreas

Islets

Atrophy, Focal

Parathyroid gland

Islet-Cell Adenoma

Prostate

Hyperplasia, Nos

Testis

Inflammation, Acute/Chronic

Thymus

Interstitial-Cell Tumor

Thyroid

Leukemia, Granulocytic

C-Cell Carcinoma

Unspecified

Abdominal Cavity

Hyperplasia, C Cell

Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_512

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain	Cranial Nerve Nos	Ganglioneuroma
Lung		Inflammation, Acute Diffuse
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_513

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney	Tubule	Inflammation, Chronic Pigmentation, Nos
Liver		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Angiectasis
Skin	Ear	Basal-Cell Carcinoma Keratoacanthoma
Spleen		Hematopoiesis
Stomach		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Unspecified	Back	Lipoma
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_514

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart

Cortex Nos

Metamorphosis, Fatty
Hemangiosarcoma

Kidney

Myocardium Nos

Inflammation, Chronic Focal

Liver

Inflammation, Chronic

Lung

Metamorphosis, Fatty

Lymph node

Mesenteric Lymph Node

Inflammation, Chronic

Mammary gland

Hyperplasia, Reticulum Cell

Pancreas

Cystic Ducts

Pituitary gland

Ectopia

Prostate

Adenoma, Nos

Spleen

Inflammation, Chronic Focal

Stomach

Hemosiderosis

Testis

Acanthosis

Thyroid

Inflammation, Chronic Focal

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_515

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Testis

Unspecified

Urinary bladder

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Monocytic

Inflammation, Hemorrhagic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_516

TRT#: 1

DOSE: 0

SEX: Male

DISP: Moribund Sacrifice

DAY ON TEST:

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_517

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Brain		Hemorrhage
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts
		Galactocele
Skin	Scrotum	Cyst, Epidermal Inclusion
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_518

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Small

Ileum, Ileum

Adenocarcinoma, Nos

Lung

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Lymphangiectasis

Stomach

Acanthosis

Hyperkeratosis

Testis

Inflammation, Chronic

Hyperplasia, Interstitial Cell

Thyroid

Interstitial-Cell Tumor

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_519

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Spleen		Hematopoiesis
Stomach		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Zymbal gland		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_520

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Lymph node

Pancreas

Parathyroid gland

Pituitary gland

Prostate

Seminal vesicle

Spleen

Stomach

Testis

Ureter

Urinary bladder

Myocardium Nos

Bile Duct

Mesenteric Lymph Node

Pheochromocytoma

Inflammation, Chronic Focal

Inflammation, Chronic

Mineralization

Fibrosis

Pigmentation, Nos

Inflammation, Chronic

Hyperplasia, Reticulum Cell

Inflammation, Chronic Diffuse

Hyperplasia, Nos

Angiectasis

Abscess, Nos

Hemorrhage

Inflammation, Chronic Diffuse

Cystic Ducts

Hyperplasia, Diffuse

Inflammation, Chronic

Hemosiderosis

Necrosis, Focal

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Dilatation, Nos

Inflammation, Hemorrhagic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_521

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Hepatitis, Toxic
		Necrosis, Focal
		Pigmentation, Nos
		Thrombosis, Nos
Lung		Granuloma, Nos
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Hyperplasia, Nos
Prostate		Abscess, Nos
		Inflammation, Chronic Diffuse
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Back	Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_522

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Necrosis, Focal
Testis		Inflammation, Chronic
Unspecified	Multiple Organs Nos	Interstitial-Cell Tumor
		Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_523

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Cystic Ducts Hyperplasia, Nos
Pancreas		Acinar-Cell Adenoma
Pituitary gland		Angiectasis Hyperplasia, Focal
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Unspecified	Back	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_524

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Epididymis

Eye

Retina

Kidney

Liver

Lung

Lymph node

Mandibular Lymph Node

Mesenteric Lymph Node

Mediastinal Lymph Node

Mammary gland

Prostate

Spleen

Testis

Pheochromocytoma

Lipoma

Cataract

Degeneration, Nos

Inflammation, Chronic

Focal Cellular Change

Hyperplasia, Alveolar Epithelium

Inflammation, Chronic

Hyperplasia, Lymphoid

Hyperplasia, Reticulum Cell

Pigmentation, Nos

Fibroadenoma

Hyperplasia, Focal

Hematopoiesis

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_525

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone marrow		Hyperplasia, Nos
Eye		Cataract
	Retina	Degeneration, Nos
		Hemorrhage
	Cornea	Inflammation, Chronic Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Metamorphosis, Fatty
		Necrosis, Focal
Mammary gland		Fibroadenoma
Pancreas		Acinar-Cell Adenoma
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Fibrous Histiocytoma, Malignant
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_526

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Pheochromocytoma

Eye

Cataract

Heart

Retina

Degeneration, Nos

Kidney

Myocardium Nos

Inflammation, Chronic Focal

Liver

Inflammation, Chronic

Lung

Pigmentation, Nos

Pituitary gland

Inflammation, Chronic

Spleen

Adenoma, Nos

Testis

Hemosiderosis

Thyroid

Interstitial-Cell Tumor

C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_527

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Lymphangiectasis
Mammary gland		Fibroadenoma
Pancreas	Acinus	Hyperplasia, Focal
Skin	Back	Keratoacanthoma
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
Testis		Ulcer, Perforated
		Degeneration, Nos
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_528

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Eye	Retina	Cataract
		Degeneration, Nos
		Hemorrhage
	Vitreous Body	Vascularization
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Hepatocellular Carcinoma
		Metamorphosis, Fatty
		Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Ectopia
Skin	Nose	Acanthosis
Testis		Interstitial-Cell Tumor
Unspecified	Neck	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_529

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Spleen		Hematopoiesis
Testis		Degeneration, Nos
	Tunica Vaginalis	Interstitial-Cell Tumor
Thyroid		Mesothelioma, Malignant
Unspecified	Multiple Organs Nos	Cyst, Follicular Nos
		Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_530

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Hyperplasia, Focal Pheochromocytoma
Eye	Retina Cornea	Degeneration, Nos Inflammation, Chronic Diffuse
Harderian gland	Harderian Gland	Inflammation, Chronic Diffuse
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney	Tubule	Inflammation, Chronic Pigmentation, Nos
Liver		Focal Cellular Change Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node Mandibular Lymph Node	Hyperplasia, Lymphoid Squamous Cell Carcinoma, Metastatic
Oral mucosa		Squamous Cell Carcinoma
Stomach		Acanthosis Inflammation, Chronic Diffuse Necrosis, Focal
Testis		Ulcer, Perforated
Unspecified	Multiple Organs Nos	Interstitial-Cell Tumor Squamous Cell Carcinoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_531

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Oral mucosa		Squamous Cell Carcinoma
Pancreas		Atrophy, Diffuse
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Squamous Cell Carcinoma, Invasive
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_532

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Liver

Leukocytosis, Nos

Lung

Inflammation, Chronic

Skin

Back

Keratoacanthoma

Flank

Myxosarcoma

Spleen

Hematopoiesis

Testis

Hyperplasia, Interstitial Cell

Thyroid

Interstitial-Cell Tumor

Unspecified

Back

Follicular-Cell Adenoma

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_533

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
Liver	Bile Duct	Hyperplasia, Nos
Lymph node	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
Preputial gland		Squamous Cell Carcinoma
Skin		Keratoacanthoma
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Squamous Cell Carcinoma, Metastatic
Zymbal gland		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_534

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mixed Tumor, Malignant
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
		Hyperplasia, Nos
Pituitary gland		Hyperplasia, Focal
Stomach		Inflammation, Chronic Diffuse
		Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_535

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebrum	Carcinoma, Nos, Invasive
	Cerebrum	Malacia
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
		Focal Cellular Change
		Necrosis, Focal
Lung		Inflammation, Chronic
Pituitary gland		Carcinoma, Nos
Stomach		Inflammation, Chronic Focal
		Necrosis, Focal
Testis		Degeneration, Nos
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_536

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
		Inflammation, Chronic
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Focal
Testis		Ulcer, Perforated
		Hyperplasia, Interstitial Cell
		Periarteritis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_537

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver	Bile Duct	Fibrosis
	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
Lung	Costal Pleura	Hemangiosarcoma
		Hemangiosarcoma, Metastatic
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_538

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebrum	Hemorrhage
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Skin		Hyperkeratosis
Stomach		Inflammation, Chronic Diffuse
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_539

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Ear	Canal	Necrosis, Nos
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Skin		Inflammation, Acute/Chronic
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_540

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Granuloma, Nos
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Hyperplasia, Nos
Pancreas		Acinar-Cell Adenoma
Pituitary gland		Adenoma, Nos
		Angiectasis
Prostate		Inflammation, Chronic Focal
Spleen		Fibrosis, Focal
		Hemosiderosis
Stomach		Acanthosis
		Fibrosis, Diffuse
Testis		Interstitial-Cell Tumor
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_541

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Stomach		Acanthosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Leg	Fibrosarcoma
	Diaphragm Nos	Hernia, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_542

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
	Pleura Nos	Inflammation, Chronic Diffuse
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_543

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Bone	Sternum	Fibrous Osteodystrophy
Eye	Retina	Degeneration, Nos
	Cornea	Inflammation, Chronic Diffuse
		Phthisis Bulbi
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
Liver		Degeneration, Nos
		Focal Cellular Change
		Metamorphosis, Fatty
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Pigmentation, Nos
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Spleen		Hematopoiesis
Stomach		Hyperplasia, Epithelial
Testis		Interstitial-Cell Tumor
Unspecified	Abdomen	Fibrosarcoma
	Multiple Organs Nos	Mineralization

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_544

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Small

Mesentery Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Liver

Bile Duct

Fibrosis

Hemorrhage

Necrosis, Focal

Lung

Inflammation, Chronic

Lymph node

Mediastinal Lymph Node

Hemorrhage

Pancreas

Inflammation, Chronic Diffuse

Stomach

Acanthosis

Hyperkeratosis

Testis

Inflammation, Chronic Focal

Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_545

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Neoplastic Nodule
Lung		Inflammation, Chronic
Prostate		Inflammation, Chronic Focal
Skin	Nose	Squamous Cell Papilloma
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified		Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_546

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
	Cornea	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Intestine Small	Duodenum	Necrosis, Focal
Kidney		Mineralization
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Pancreas		Atrophy, Focal
	Islets	Islet-Cell Carcinoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Preputial gland		Cystic Ducts
		Hyperplasia, Nos
Prostate		Abscess, Nos
Skin	Eyelid Nos	Fibroma
Stomach		Acanthosis
		Mineralization
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Monocytic
Urinary bladder		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_547

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Intestine Large
Intestine Small

Medulla
Myocardium Nos
Colon
Mesentery Nos
Mesentery Nos

Kidney
Liver

Pheochromocytoma
Inflammation, Chronic Diffuse
Parasitism
Granuloma, Nos
Pigmentation, Nos
Inflammation, Chronic
Degeneration, Nos
Sarcoma, Nos

Lung

C-Cell Carcinoma, Metastatic
Inflammation, Chronic

Lymph node
Mammary gland
Prostate

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell
Fibroadenoma
Inflammation, Chronic Focal

Skeletal muscle
Spleen
Testis

Neck

C-Cell Carcinoma, Invasive
Hematopoiesis
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor
C-Cell Carcinoma

Thyroid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_548

TRT#: 1
DOSE: 0

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland		Necrosis, Focal Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung	Alveoli	Histiocytosis Inflammation, Chronic
Mammary gland		Hyperplasia, Nos
Pancreas		Atrophy, Focal
Salivary gland		Inflammation, Acute Focal
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Multiple Organs Nos	Pigmentation, Nos
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 1_549

TRT#: 1

SEX: Male

DAY ON TEST:

DOSE: 0

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mineralization
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Ileocolic Lymph Node	Lymphangiectasis
	Mandibular Lymph Node	Lymphangiectasis
Pancreas		Atrophy, Focal
Prostate		Inflammation, Chronic Focal
Stomach		Acanthosis
Testis		Interstitial-Cell Tumor
Zymbal gland		Cystic Ducts
		Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_668

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Tongue		Hyperkeratosis
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_669

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Esophagus

Kidney

Liver

Lung

Pancreas

Pituitary gland

Stomach

Testis

Thyroid

Hyperkeratosis

Inflammation, Chronic

Granuloma, Nos

Metamorphosis, Fatty

Inflammation, Chronic

Atrophy, Focal

Carcinoma, Nos

Acanthosis

Hyperkeratosis

Inflammation, Chronic

Ulcer, Nos

Degeneration, Nos

Periarteritis

C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_670

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Small	Mesentery Nos	Necrosis, Fat
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Parathyroid gland		Hyperplasia, Nos
Skin	Thigh	Keratoacanthoma
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Neck	Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_671

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Mandible	Squamous Cell Carcinoma, Invasive
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Oral mucosa		Squamous Cell Carcinoma
Prostate		Inflammation, Chronic Focal
Salivary gland		Atrophy, Diffuse
		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Tongue		Edema, Nos
		Inflammation, Acute Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_672

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Atrophy, Focal
Testis		Hyperplasia, Interstitial Cell
Thyroid		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Hyperplasia, C Cell
		Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_673

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
Parathyroid gland		Hyperplasia, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_674

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Eye		Cataract
Heart	Retina	Degeneration, Nos
Kidney	Myocardium Nos	Inflammation, Chronic Diffuse Inflammation, Chronic
Liver	Tubule	Pigmentation, Nos Focal Cellular Change
Lung	Bile Duct	Hyperplasia, Nos Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Pigmentation, Nos
Mammary gland		Cystic Ducts
Pancreas		Atrophy, Diffuse
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Unspecified	Back	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_675

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos Atrium	Inflammation, Chronic Focal Thrombosis, Nos
Kidney	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung	Alveoli	Histiocytosis Pigmentation, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Parathyroid gland		Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos Multiple Organs Nos	Inflammation, Chronic Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_676

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Eye	Retina	Cataract Degeneration, Nos Hemorrhage
Heart	Myocardium Nos Atrium	Inflammation, Chronic Diffuse Thrombosis, Nos
Intestine Large	Descending, Colon Colon	Adenomatous Polyp, Nos Parasitism
Kidney		Inflammation, Chronic Diffuse
Liver	Tubule Bile Duct Bile Duct	Pigmentation, Nos Calculus, Unknown Gross Or Micro Dilatation, Nos Focal Cellular Change Hematopoiesis
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Preputial gland		Squamous Cell Carcinoma
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_677

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Esophagus		Hyperkeratosis
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node		Hemorrhage
	Mediastinal Lymph Node	Pigmentation, Nos
	Mediastinal Lymph Node	Adenoma, Nos
Pituitary gland		Inflammation, Chronic Focal
Prostate		Hemosiderosis
Spleen		Inflammation, Chronic Diffuse
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_678

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Testis

Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_679

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Pheochromocytoma

Epididymis

Necrosis, Fat

Esophagus

Hyperkeratosis

Kidney

Inflammation, Chronic

Liver

Granuloma, Nos

Lung

Inflammation, Chronic

Lymph node

Mandibular Lymph Node

Hyperplasia, Lymphoid

Prostate

Mandibular Lymph Node

Lymphangiectasis

Stomach

Inflammation, Chronic Focal

Testis

Hyperkeratosis

Degeneration, Nos

Hyperplasia, Interstitial Cell

Thyroid

Interstitial-Cell Tumor

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_680

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebellum Nos Medulla Oblongata Nos	Meningioma Meningioma, Invasive
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Prostate		Inflammation, Acute/Chronic
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_681

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Eye	Retina	Degeneration, Nos Hemorrhage
	Crystalline Lens	Rupture
Liver		Focal Cellular Change
Lymph node	Mediastinal Lymph Node	Metamorphosis, Fatty
	Mediastinal Lymph Node	Erythrophagocytosis
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Thrombosis, Nos
Pancreas		Hyperplasia, Nos
	Acinus	Atrophy, Focal
Pituitary gland		Hyperplasia, Focal
		Adenoma, Nos
Skin		Angiectasis
Spleen		Acanthosis
Stomach		Hemosiderosis
		Acanthosis
		Hyperkeratosis
Testis		Ulcer, Perforated
Thyroid		Interstitial-Cell Tumor
		C-Cell Adenoma
		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_682

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye		Cataract
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
		Pigmentation, Nos
Lung		Hemorrhage
		Inflammation, Chronic
Preputial gland		Cystic Ducts
		Hyperkeratosis
Stomach		Acanthosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Mediastinum Nos	Hematopoiesis
	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_683

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Lung

Alveolar/Bronchiolar Carcinoma

Spleen

Hemangiosarcoma, Metastatic

Hematopoiesis

Stomach

Necrosis, Focal

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Unspecified

Leg

Hemangiosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_684

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Eye		Cataract
	Retina	Degeneration, Nos
	Cornea	Inflammation, Chronic Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Small	Duodenum	Fibrosarcoma
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Hemorrhage
		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Prostate		Inflammation, Chronic Focal
Spleen		Fibrosarcoma, Metastatic
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_685

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Heart

Kidney

Liver

Lung

Pancreas

Spleen

Testis

Thyroid

Unspecified

Zymbal gland

Retina

Myocardium Nos

Bile Duct

Multiple Organs Nos

Angiectasis

Cataract

Degeneration, Nos

Inflammation, Chronic Diffuse

Inflammation, Chronic

Focal Cellular Change

Granuloma, Nos

Hyperplasia, Nos

Neoplastic Nodule

Inflammation, Chronic

Atrophy, Focal

Ectopia

Fibrosis, Multifocal

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

C-Cell Carcinoma

Follicular-Cell Carcinoma

Leukemia, Monocytic

Abscess, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_686

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Rib	Osteosarcoma
Kidney		Inflammation, Chronic
Lung		Osteosarcoma, Metastatic
Testis		Hyperplasia, Interstitial Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_687

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Pigmentation, Nos
Lung		Alveolar/Bronchiolar Adenoma
		Hyperplasia, Alveolar Epithelium
		Inflammation, Chronic
		Liposarcoma, Metastatic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Preputial gland		Cystic Ducts
		Squamous Cell Carcinoma
Prostate		Inflammation, Chronic Focal
Spleen		Fibrosis, Focal
		Hemosiderosis
Stomach		Acanthosis
		Inflammation, Chronic Diffuse
		Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Back	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_688

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Bone marrow		Hypoplasia, Nos
Eye	Retina	Degeneration, Nos Empyema
	Cornea	Inflammation, Acute Diffuse
Intestine Large	Colon	Parasitism
Kidney	Tubule	Pigmentation, Nos Degeneration, Nos Focal Cellular Change
Liver	Bile Duct	Hyperplasia, Nos Pigmentation, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
Seminal vesicle		Hyperplasia, Diffuse
Spleen	Follicles	Atrophy, Nos Fibrosis, Diffuse
Stomach		Acanthosis Necrosis, Focal Ulcer, Perforated
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_689

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Epididymis		Necrosis, Fat
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
		Pigmentation, Nos
Lung		Hemorrhage
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Lymphangiectasis
Pituitary gland		Angiectasis
		Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thymus		Cyst, Nos
		Hyperplasia, Epithelial
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_690

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Liver

Hemorrhage

Necrosis, Focal

Lung

Inflammation, Chronic

Spleen

Hematopoiesis

Hemorrhage

Necrosis, Nos

Stomach

Necrosis, Focal

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Lymphoma, Histiocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_691

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye		Phthisis Bulbi
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
	Bile Duct	Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Inflammation, Chronic
		Metamorphosis, Fatty
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas		Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_692

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Bone	Vertebral Column	Hemangiosarcoma
Bone marrow		Hyperplasia, Nos
Lung		Hemangiosarcoma, Metastatic
		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
Spleen		Hematopoiesis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_693

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Hematopoiesis
		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mandibular Lymph Node	Squamous Cell Carcinoma, Metastatic
Prostate		Cyst, Nos
		Inflammation, Chronic Focal
Skin	Mouth	Squamous Cell Carcinoma
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_694

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Small	Jejunum	Ulcer, Perforated
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Lymphangiectasis
Prostate		Inflammation, Chronic Focal
Seminal vesicle		Hyperplasia, Focal
Spleen		Fibrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Leg	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Monocytic
	Multiple Organs Nos	Lymphoma, Undifferentiated-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_695

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone marrow		Hypoplasia, Nos
Brain	Meninges	Abscess, Nos
	Optic Nerve	Necrosis, Nos
Eye		Embolus, Septic
		Hemorrhage
Heart		Thrombosis, Nos
		Embolus, Septic
Kidney	Myocardium Nos	Inflammation, Acute Focal
		Abscess, Nos
		Embolus, Septic
Liver		Leukocytosis, Nos
Lymph node	Mesenteric Lymph Node	Atrophy, Nos
Pancreas		Atrophy, Nos
Prostate		Hyperplasia, Focal
Spleen		Fibrosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Necrosis, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_696

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Cortex

Cyst, Multiple

Tubule

Hyperplasia, Focal

Inflammation, Chronic

Tubular-Cell Adenocarcinoma

Tubular-Cell Adenoma

Liver

Focal Cellular Change

Necrosis, Focal

Pigmentation, Nos

Lung

Inflammation, Chronic

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Adenoma

Zymbal gland

Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_697

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Esophagus		Hyperkeratosis
Kidney		Inflammation, Chronic
		Mineralization
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mandibular Lymph Node	Sarcoma, Nos, Invasive
Pancreas		Atrophy, Focal
Salivary gland		Sarcoma, Nos
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Trachea		Inflammation, Chronic
Unspecified		Sarcoma, Nos, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_698

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Cortical Adenoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hepatitis, Toxic
		Hyperplasia, Nos
		Neoplastic Nodule
Lung		Alveolar/Bronchiolar Adenoma
		Hyperplasia, Alveolar Epithelium
		Inflammation, Chronic
Prostate		Inflammation, Chronic Focal
Seminal vesicle		Hyperplasia, Diffuse
Spleen	Capsule	Fibrosis, Multifocal
		Fibrosis, Multifocal
Testis		Hemorrhage
Unspecified	Multiple Organs Nos	Interstitial-Cell Tumor
		Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_699

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Pancreas	Islets	Islet-Cell Carcinoma
Prostate		Inflammation, Chronic Focal
Salivary gland		Sarcoma, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_700

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung		Hemorrhage
		Inflammation, Chronic
Prostate		Inflammation, Chronic Focal
Skin		Inflammation, Acute Focal
		Necrosis, Focal
Spleen		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_701

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
Intestine Small	Mesentery Nos	Periarteritis
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Pigmentation, Nos
Lung		Inflammation, Chronic
		Squamous Cell Carcinoma, Metastatic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Atrophy, Diffuse
Pituitary gland		Cyst, Nos
Testis	Scrotum Nos	Hemorrhage
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Squamous Cell Carcinoma, Invasive
Zymbal gland		Cystic Ducts
		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_702

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Fibrosis, Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Prostate		Hemorrhage
Seminal vesicle		Hemorrhage
Stomach		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
		Periarteritis
Thyroid		C-Cell Adenoma
		Follicular-Cell Adenoma
Unspecified	Back	Fibrosarcoma
Urinary bladder		Hemorrhage
		Hyperplasia, Epithelial
		Inflammation, Acute
		Necrosis, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_703

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma, Malignant
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Cecum, Colon	Parasitism
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Pigmentation, Nos
Lung		Inflammation, Chronic
		Pheochromocytoma, Metastatic
Lymph node	Mesenteric Lymph Node	Lymphangiectasis
	Mediastinal Lymph Node	Pheochromocytoma, Metastatic
Salivary gland		Atrophy, Diffuse
Testis		Interstitial-Cell Tumor
Unspecified	Chest	Fibroma
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_704

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change Metamorphosis, Fatty
Lung		Granuloma, Nos Inflammation, Chronic Pigmentation, Nos
Lymph node	Mediastinal Lymph Node Mesenteric Lymph Node	Erythrophagocytosis Lymphangiectasis
Pancreas		Ectopia
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Chronic Focal
Spleen		Hematopoiesis
Stomach		Acanthosis Inflammation, Chronic Diffuse
Testis		Ulcer, Perforated
Thyroid		Interstitial-Cell Tumor Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_705

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Cortical Adenoma

Kidney

Hyperplasia, Focal

Lung

Inflammation, Chronic

Pancreas

Inflammation, Chronic

Prostate

Atrophy, Diffuse

Spleen

Inflammation, Chronic Focal

Testis

Necrosis, Focal

Thyroid

Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

C-Cell Adenoma

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_706

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Esophagus

Hyperkeratosis

Harderian gland

Hardarian Gland

Adenoma, Nos

Hardarian Gland

Squamous Cell Carcinoma, Invasive

Kidney

Inflammation, Chronic

Lung

Inflammation, Chronic

Lymph node

Submandibular Lymph Node

Hyperplasia, Lymphoid

Skin

Eyelid Nos

Hemorrhage

Eyelid Nos

Inflammation, Acute

Eyelid Nos

Necrosis, Nos

Testis

Hyperplasia, Interstitial Cell

Thyroid

Interstitial-Cell Tumor

C-Cell Carcinoma

Zymbal gland

Hyperplasia, C Cell

Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_707

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Large Intestine, Colon	Parasitism
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
	Bile Duct	Focal Cellular Change
		Hyperplasia, Nos
		Metamorphosis, Fatty
		Necrosis, Focal
		Neoplastic Nodule
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Pancreas		Acinar-Cell Adenoma
Prostate		Inflammation, Chronic Focal
Skin	Back	Keratoacanthoma
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_708

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Nos Pheochromocytoma Pheochromocytoma, Malignant
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Cortex	Cyst, Nos Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos Hepatitis, Toxic
Lung		Hyperplasia, Alveolar Epithelium Inflammation, Chronic Inflammation, Interstitial Metaplasia, Squamous Pheochromocytoma, Metastatic
Lymph node	Ileocolic Lymph Node	Pigmentation, Nos
Pancreas		Atrophy, Focal
Salivary gland		Sarcoma, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Perineum	Neurofibroma
	Multiple Organs Nos	Sarcoma, Nos, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_709

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
Stomach		Acanthosis
Testis		Hyperplasia, Interstitial Cell
Unspecified	Back	Interstitial-Cell Tumor
		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_710

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma, Malignant
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Hyperplasia, Nos
Pancreas		Acinar-Cell Adenoma
	Islets	Islet-Cell Carcinoma
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
		Follicular-Cell Carcinoma
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_711

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Cecum, Colon	Necrosis, Focal
Kidney		Inflammation, Chronic
Liver		Pigmentation, Nos
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
		Ectopia
Prostate		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_712

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Epididymis

Heart

Kidney

Liver

Lung

Pancreas

Stomach

Myocardium Nos

Necrosis, Fat

Inflammation, Chronic Focal

Inflammation, Chronic

Necrosis, Focal

Hemorrhage

Atrophy, Diffuse

Acanthosis

Inflammation, Chronic Diffuse

Necrosis, Focal

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Thyroid

Hyperplasia, C Cell

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_713

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
Pituitary gland		Hyperplasia, Focal
Preputial gland		Squamous Cell Carcinoma
Spleen		Fibrosis, Focal
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_714

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Liver	Hepatocytes	Cytomegaly
		Inflammation, Fibrinous
		Metamorphosis, Fatty
		Necrosis, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Lymphangiectasis
Pancreas		Acinar-Cell Carcinoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Skin	Neck	Basal-Cell Carcinoma
Stomach		Acanthosis
		Hyperkeratosis
		Necrosis, Focal
		Ulcer, Perforated
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Abdominal Cavity	Necrosis, Fat
	Abdominal Cavity	Steatitis
Urinary bladder		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_715

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Intestine Large

Cortex Nos
Transverse Colon, Colon
Transverse Colon, Colon

Metamorphosis, Fatty
Inflammation, Chronic Focal
Necrosis, Focal

Kidney
Lymph node

Mediastinal Lymph Node
Mesenteric Lymph Node

Inflammation, Chronic

Pancreas
Preputial gland
Stomach

Hemorrhage
Hemorrhage
Atrophy, Diffuse

Testis

Cystic Ducts
Acanthosis
Hyperkeratosis
Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor
Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_716

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Atrophy, Focal Ectopia
Pituitary gland		Adenoma, Nos
Skin	Ear	Hyperkeratosis
	Sebaceous Gland	Hyperplasia, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Unspecified		Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_717

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Heart	Atrium	Thrombosis, Nos
Kidney	Cortex	Cyst, Nos
Liver		Angiectasis
		Focal Cellular Change
Lung	Alveoli	Histiocytosis
		Hyperplasia, Alveolar Epithelium
		Pigmentation, Nos
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mesenteric Lymph Node	Erythrophagocytosis
	Mesenteric Lymph Node	Lymphangiectasis
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Hyperplasia, Nos
Pancreas		Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Prostate		Abscess, Nos
Spleen	Follicles	Atrophy, Nos
		Hemosiderosis
Stomach		Carcinoma, Nos
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Inflammation, Chronic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_718

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain		Hemorrhage
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Acute
		Pneumonia, Aspiration
Pituitary gland		Pigmentation, Nos
Prostate		Inflammation, Chronic Focal
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Multiple Organs Nos	Necrosis, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_719

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Esophagus

Heart

Kidney

Liver

Lung

Lymph node

Mammary gland

Pancreas

Testis

Thyroid

Myocardium Nos

Mesenteric Lymph Node

Pancreatic Lymph Node

Pheochromocytoma

Hyperkeratosis

Inflammation, Chronic Focal

Inflammation, Chronic

Hepatocellular Carcinoma

Granuloma, Nos

Hyperplasia, Alveolar Epithelium

Inflammation, Chronic

Hyperplasia, Reticulum Cell

Pigmentation, Nos

Galactocele

Atrophy, Focal

Interstitial-Cell Tumor

C-Cell Adenoma

Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_720

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas		Atrophy, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_721

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Tubular-Cell Adenocarcinoma
Liver	Bile Duct	Hyperplasia, Nos
		Leukocytosis, Nos
		Metamorphosis, Fatty
		Necrosis, Focal
		Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Galactocele
		Pigmentation, Nos
Pituitary gland		Adenoma, Nos
Preputial gland		Cystic Ducts
		Inflammation, Chronic Diffuse
Prostate		Inflammation, Chronic Focal
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
		Hyperplasia, C Cell
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_722

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Leukocytosis, Nos
		Metamorphosis, Fatty
		Necrosis, Focal
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Carcinoma, Nos
Preputial gland		Squamous Cell Carcinoma
Prostate		Inflammation, Chronic Diffuse
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_723

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Angiectasis
		Degeneration, Nos
		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas	Islets	Islet-Cell Carcinoma
Pituitary gland		Adenoma, Nos
		Angiectasis
Prostate		Inflammation, Chronic Focal
Skin	Foot And Toe Nos	Edema, Nos
		Fibrosarcoma
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Multiple Organs Nos	Pigmentation, Nos
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_724

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Granuloma, Nos
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Necrosis, Focal
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Pancreas		Ectopia
Spleen		Fibrosis, Focal
		Hematopoiesis
		Hemosiderosis
Testis		Interstitial-Cell Tumor
Unspecified	Abdominal Cavity	Necrosis, Fat
	Axilla	Neurofibroma
Zymbal gland		Cystic Ducts
		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_725

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Lymphangiectasis
Pancreas		Atrophy, Focal
Prostate		Inflammation, Chronic Focal
Spleen		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_726

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney

Cortex Nos
Myocardium Nos
Cortex

Metamorphosis, Fatty
Inflammation, Chronic Diffuse
Cyst, Nos
Inflammation, Chronic
Tubular-Cell Adenoma
Inflammation, Chronic
Hyperplasia, Nos
Cystic Ducts
Squamous Cell Carcinoma
Inflammation, Chronic Diffuse
Adenoma, Nos
Degeneration, Nos
Acanthosis
Hyperkeratosis
Inflammation, Chronic Diffuse
Ulcer, Perforated
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor
Hyperplasia, C Cell
Leukemia, Monocytic
Granuloma, Nos

Lung
Parathyroid gland
Preputial gland

Prostate
Salivary gland

Stomach

Testis

Thyroid
Unspecified
Urinary bladder

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_727

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Cortical Adenoma
	Cortex Nos	Metamorphosis, Fatty
Bone	Rib	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Hemorrhage
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Preputial gland		Squamous Cell Carcinoma
Skin	Mouth	Abscess, Nos
		Squamous Cell Papilloma
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		Follicular-Cell Carcinoma
Unspecified	Back	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_728

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Osteopetrosis
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Pancreas		Periarteritis
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_729

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Necrosis, Focal
Kidney		Inflammation, Chronic
Liver		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Stomach		Acanthosis
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_730

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Esophagus		Hyperkeratosis
Intestine Small	Mesentery Nos	Periarteritis
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Spleen		Hematopoiesis
Stomach		Fibrosarcoma
		Hyperkeratosis
		Periarteritis
Testis		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_731

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Cecum, Colon	Necrosis, Focal
Intestine Small	Mesentery Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
		Liposarcoma, Metastatic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Peritoneum		Liposarcoma
Prostate		Hyperplasia, Focal
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Back	Fibroma
Zymbal gland		Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_732

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Hepatitis, Toxic
		Metamorphosis, Fatty
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Lymphangiectasis
Pancreas		Atrophy, Focal
Prostate		Hyperplasia, Epithelial
		Inflammation, Chronic Diffuse
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_733

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Hepatitis, Toxic
Lung		Inflammation, Chronic
Pituitary gland		Adenoma, Nos
Stomach	Submucosa	Edema, Nos
		Hemorrhage
		Hyperkeratosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_734

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos Myocardium Nos Myocardium Nos	Inflammation, Chronic Diffuse Necrosis, Focal Thrombosis, Nos
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos Focal Cellular Change Hyperplasia, Nos Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node Iliac Lymph Node Mesenteric Lymph Node Mesenteric Lymph Node Pancreatic Lymph Node	Hyperplasia, Lymphoid Lymphangiectasis Lymphangiectasis Pigmentation, Nos Pigmentation, Nos
Pituitary gland		Cyst, Nos
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_735

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung		Hemorrhage
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_736

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
		Focal Cellular Change
Lung		Inflammation, Chronic
Pancreas	Islets	Islet-Cell Carcinoma
Testis		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Nos
Thyroid		Cyst, Follicular Nos
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_737

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Metamorphosis, Fatty

Kidney

Medulla

Pheochromocytoma, Malignant

Lung

Inflammation, Chronic

Inflammation, Chronic

Salivary gland

Pheochromocytoma, Metastatic

Testis

Inflammation, Chronic Diffuse

Degeneration, Nos

Granuloma, Spermatic

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_738

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Cortical Adenoma

Blood vessel

Aorta Nos

Hyperplasia, Focal

Heart

Myocardium Nos

Atherosclerosis

Kidney

Tubule

Inflammation, Chronic Diffuse

Liver

Inflammation, Chronic

Pigmentation, Nos

Lung

Degeneration, Nos

Granuloma, Nos

Lymph node

Pancreatic Lymph Node

Inflammation, Chronic

Hemorrhage

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Mesenteric Lymph Node

Lymphangiectasis

Pancreatic Lymph Node

Lymphangiectasis

Pancreatic Lymph Node

Pigmentation, Nos

Spleen

Hematopoiesis

Testis

Hemosiderosis

Thyroid

Interstitial-Cell Tumor

Unspecified

Back

Hyperplasia, C Cell

Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_739

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Medulla

Hyperplasia, Focal
Inflammation, Acute/Chronic
Inflammation, Chronic
Mineralization

Liver

Bile Duct

Degeneration, Nos

Bile Duct

Fibrosis

Bile Duct

Hyperplasia, Nos

Lung

Inflammation, Chronic

Lymph node

Mandibular Lymph Node

Inflammation, Chronic

Preputial gland

Hyperplasia, Lymphoid

Spleen

Squamous Cell Carcinoma

Testis

Hematopoiesis

Thyroid

Interstitial-Cell Tumor

C-Cell Adenoma

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_740

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Ileocolic Lymph Node	Lymphangiectasis
	Mesenteric Lymph Node	Lymphangiectasis
Prostate		Inflammation, Chronic Diffuse
Testis		Interstitial-Cell Tumor
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_741

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Skull	Osteopetrosis
Epididymis		Inflammation, Chronic Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Liver	Bile Duct	Fibrosis
	Bile Duct	Hyperplasia, Nos
		Pigmentation, Nos
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Atrophy, Diffuse
Parathyroid gland		Hyperplasia, Nos
Prostate		Abscess, Nos
Seminal vesicle		Hyperplasia, Diffuse
Spleen		Necrosis, Focal
Stomach		Acanthosis
		Hyperkeratosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified		Fibroma
	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Monocytic
		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_742

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney	Tubule	Inflammation, Chronic Pigmentation, Nos Tubular-Cell Adenocarcinoma
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Pancreas		Periarteritis
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_743

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Liver

Focal Cellular Change

Bile Duct

Hyperplasia, Nos

Lung

Inflammation, Chronic

Prostate

Inflammation, Chronic Focal

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_744

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Harderian gland	Harderian Gland	Inflammation, Chronic Diffuse
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Pancreas		Atrophy, Focal
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007
Test Type: Long-Term
Route: Dosed-Feed
Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Asbestos, crocidolite
CAS Number: 12001-28-4

Date Report Requested: 10/26/2014
Time Report Requested: 12:25:48
First Dose M/F: NA / NA
Lab: NA

ANIMAL ID: 2_745

TRT#: 2
DOSE: 10000 PPM

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST:
HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Granuloma, Nos
		Pigmentation, Nos
Lung		Granuloma, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Nasal cavity		Hyperkeratosis
		Metaplasia, Squamous
Spleen		Fibrosis, Focal
		Hemosiderosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified		Abscess, Nos
	Multiple Organs Nos	Inflammation, Chronic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_746

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Necrosis, Focal
Lung		Liposarcoma, Metastatic
Lymph node	Mediastinal Lymph Node	Congestion, Nos
Pancreas		Atrophy, Focal
Prostate		Inflammation, Acute/Chronic
Stomach		Hyperkeratosis
Thymus		Congestion, Nos
		Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_747

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney	Tubule	Inflammation, Chronic Pigmentation, Nos
Liver		Angiectasis Focal Cellular Change Granuloma, Nos Metamorphosis, Fatty
Lung	Mesenteric Lymph Node	Inflammation, Chronic
Lymph node		Hyperplasia, Reticulum Cell
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Testis		Degeneration, Nos
Urinary bladder		Hyperplasia, Papillary Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_748

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Bone marrow		Hypoplasia, Nos
Intestine Small	Duodenum	Inflammation, Acute Focal
	Duodenum	Necrosis, Focal
Kidney	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
		Pigmentation, Nos
Lymph node	Mesenteric Lymph Node	Erythrophagocytosis
Salivary gland		Atrophy, Diffuse
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hemorrhage
		Inflammation, Chronic Focal
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
		Hyperplasia, C Cell
Unspecified	Back	Fibroma
	Multiple Organs Nos	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_749

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Cortex

Cyst, Nos

Liver

Inflammation, Chronic

Angiectasis

Focal Cellular Change

Lung

Bile Duct

Hyperplasia, Nos

Pancreas

Inflammation, Chronic

Testis

Ectopia

Thyroid

Interstitial-Cell Tumor

Unspecified

Hyperplasia, C Cell

Multiple Organs Nos

Leukemia, Monocytic

Chest

Lipoma

PRIMARY CAUSE OF DEATH

-

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_750

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Hyperplasia, Focal Hyperplasia, Focal
Heart	Cortex Nos	Metamorphosis, Fatty
Kidney	Myocardium Nos	Inflammation, Chronic Diffuse
Liver		Inflammation, Chronic Degeneration, Nos
	Bile Duct	Fibrosis
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Pancreas		Acinar-Cell Adenoma Ectopia
Pituitary gland		Adenoma, Nos
Skin	Back	Keratoacanthoma
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos Back	Leukemia, Monocytic Lipoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_751

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Epididymis		Necrosis, Fat
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Lymphangiectasis
Seminal vesicle		Cyst, Nos
Spleen		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_752

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Medulla

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Liver

Focal Cellular Change

Lung

Inflammation, Chronic

Pancreas

Atrophy, Focal

Ectopia

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_753

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Atrophy, Nos
	Mediastinal Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Atrophy, Focal
Prostate		Hyperplasia, Focal
		Inflammation, Chronic Focal
Skin	Back	Basal-Cell Carcinoma
Spleen		Hematopoiesis
Stomach		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_754

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Pancreas

Pituitary gland

Prostate

Spleen

Testis

Thyroid

Unspecified

Myocardium Nos

Tubule

Bile Duct

Multiple Organs Nos

Cortical Adenoma

Inflammation, Chronic Diffuse

Inflammation, Chronic

Pigmentation, Nos

Focal Cellular Change

Granuloma, Nos

Hyperplasia, Nos

Metamorphosis, Fatty

Inflammation, Chronic

Atrophy, Diffuse

Adenoma, Nos

Inflammation, Chronic Focal

Hemosiderosis

Interstitial-Cell Tumor

C-Cell Carcinoma

Follicular-Cell Carcinoma

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_755

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Cortical Adenoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
Pituitary gland		Adenoma, Nos
		Angiectasis
Prostate		Inflammation, Chronic Diffuse
Skin	Head	Keratoacanthoma
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Follicular-Cell Adenoma
Unspecified	Back	Fibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_756

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma, Malignant
Bone marrow		Hypoplasia, Nos
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
Liver	Tubule	Pigmentation, Nos Focal Cellular Change Metamorphosis, Fatty Pigmentation, Nos
Lung		Inflammation, Chronic Pheochromocytoma, Metastatic
Mammary gland		Hyperplasia, Nos
Pancreas		Acinar-Cell Adenoma
Prostate		Inflammation, Chronic Focal
Spleen		Hemosiderosis
Stomach		Acanthosis Inflammation, Acute Diffuse
Testis		Necrosis, Focal Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_757

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Degeneration, Nos
Intestine Small	Mesentery Nos	Hemangiosarcoma
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Spleen		Pigmentation, Nos
Testis		Degeneration, Nos
		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Hemangiosarcoma, Metastatic
	Diaphragm Nos	Hernia, Nos
Urinary bladder		Hemorrhage
		Hyperplasia, Epithelial
		Necrosis, Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_758

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver	Bile Duct	Inflammation, Chronic
Lung		Congestion, Nos
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Adenocarcinoma, Nos
Pancreas		Periarteritis
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_759

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver
Lung
Pituitary gland
Testis

Cortex Nos

Metamorphosis, Fatty
Inflammation, Chronic
Hepatitis, Toxic
Inflammation, Chronic
Hyperplasia, Focal
Degeneration, Nos
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor
Leukemia, Monocytic

Unspecified

Multiple Organs Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_760

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Spleen

Stomach

Testis

Myocardium Nos

Pheochromocytoma

Inflammation, Chronic Focal

Inflammation, Chronic

Congestion, Nos

Congestion, Nos

Inflammation, Chronic

Hemosiderosis

Necrosis, Focal

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_761

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Heart

Kidney

Liver

Lung

Prostate

Testis

Unspecified

Retina

Myocardium Nos

Multiple Organs Nos

Pheochromocytoma

Cataract

Degeneration, Nos

Inflammation, Chronic Focal

Inflammation, Chronic

Necrosis, Focal

Inflammation, Chronic

Inflammation, Chronic Focal

Interstitial-Cell Tumor

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_762

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Renal Lymph Node	Hyperplasia, Reticulum Cell
	Renal Lymph Node	Pigmentation, Nos
Pancreas	Islets	Islet-Cell Carcinoma
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Diffuse
Spleen		Hemosiderosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Axilla	Fibroma
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_763

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Myocardium Nos

Bile Duct

Bile Duct

Lung

Stomach

Testis

Thyroid

Unspecified

Abdominal Cavity

Multiple Organs Nos

Pheochromocytoma

Inflammation, Chronic Focal

Inflammation, Chronic

Degeneration, Nos

Hyperplasia, Nos

Inflammation, Chronic

Granuloma, Nos

Inflammation, Chronic

Pigmentation, Nos

Leiomyosarcoma

Interstitial-Cell Tumor

C-Cell Adenoma

Leiomyosarcoma, Invasive

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_764

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Fibrosis
Lung		Congestion, Nos
		Inflammation, Chronic
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_765

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Liver		Degeneration, Nos
	Bile Duct	Focal Cellular Change
		Hyperplasia, Nos
		Leukemia, Monocytic
		Neoplastic Nodule
Mammary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Diffuse
Skin	Back	Keratoacanthoma
Spleen		Fibrosis, Focal
		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Lymphoma, Histiocytic-Malignant Type

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:48

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_766

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
	Crystalline Lens	Rupture
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Hepatitis, Toxic
Lung		Inflammation, Chronic
Mammary gland		Adenocarcinoma, Nos
		Fibroadenoma
Pancreas	Acinus	Hyperplasia, Focal
	Islets	Islet-Cell Carcinoma
Pituitary gland		Adenoma, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_767

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Blood vessel	Aorta Nos	Mineralization
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
Pancreas	Acinus	Hyperplasia, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Preputial gland		Squamous Cell Carcinoma
Skin	Back	Keratoacanthoma
Stomach		Mineralization
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Degeneration, Nos
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_768

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Blood vessel	Aorta Nos	Mineralization
Eye	Retina	Degeneration, Nos
		Empyema
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Small	Jejunum	Mucinous Cystadenocarcinoma
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Preputial gland		Abscess, Nos
Prostate		Hemorrhage
		Hyperplasia, Diffuse
		Inflammation, Chronic Diffuse
Seminal vesicle		Hyperplasia, Papillary
		Inflammation, Acute Focal
Spleen		Hemosiderosis
Stomach		Acanthosis
		Inflammation, Acute Focal
		Necrosis, Focal
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Urinary bladder		Hemorrhage
		Inflammation, Chronic Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_769

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Mineralization
	Tubule	Pigmentation, Nos
Liver		Metamorphosis, Fatty
Lung		Hemorrhage
Lymph node	Mesenteric Lymph Node	Inflammation, Chronic Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
Pancreas		Atrophy, Focal
	Acinus	Hyperplasia, Focal
Pituitary gland		Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Spleen		Necrosis, Focal
Stomach		Acanthosis Inflammation, Chronic Diffuse
Testis		Necrosis, Focal Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_770

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos Hemorrhage
	Cornea	Inflammation, Chronic Diffuse
	Crystalline Lens	Rupture
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney	Cortex	Cyst, Nos
	Tubule	Hyperplasia, Focal
Liver		Inflammation, Chronic Angiectasis Metamorphosis, Fatty
Lung		Pigmentation, Nos
Pancreas		Inflammation, Chronic Acinar-Cell Adenoma Ectopia
Skin	Face	Hyperplasia, Focal Basal-Cell Carcinoma
Spleen		Hematopoiesis Hemosiderosis
Stomach		Acanthosis Inflammation, Chronic Diffuse Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_771

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Lymphangiectasis
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_772

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Pancreas	Islets	Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_773

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone marrow
Kidney

Tubule

Hypoplasia, Nos
Inflammation, Chronic
Pigmentation, Nos

Liver

Granuloma, Nos
Pigmentation, Nos

Lung

Inflammation, Chronic

Lymph node

Mediastinal Lymph Node

Hemorrhage

Mediastinal Lymph Node

Pigmentation, Nos

Mammary gland

Hyperplasia, Focal

Pituitary gland

Adenoma, Nos

Spleen

Hemosiderosis

Stomach

Acanthosis

Hyperkeratosis

Inflammation, Chronic Diffuse

Necrosis, Focal

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Thyroid

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_774

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Descending, Colon	Adenomatous Polyp, Nos
	Colon	Necrosis, Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Skin	Thorax	Neurofibrosarcoma
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Unspecified	Axilla	Fibroma
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_775

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Epididymis

Eye

Heart

Kidney

Liver

Lung

Testis

Thyroid

Unspecified

Retina

Myocardium Nos

Multiple Organs Nos

Necrosis, Fat

Degeneration, Nos

Inflammation, Chronic Focal

Inflammation, Chronic

Hepatitis, Toxic

Inflammation, Chronic

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Cyst, Follicular Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_776

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla Cortex Nos	Hyperplasia, Focal Metamorphosis, Fatty Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver	Bile Duct Bile Duct	Hyperplasia, Nos Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node Mediastinal Lymph Node	Hyperplasia, Lymphoid Hyperplasia, Lymphoid
Pancreas	Islets	Hyperplasia, Focal Inflammation, Chronic Focal
Parathyroid gland		Hyperplasia, Nos
Prostate		Abscess, Nos
Salivary gland		Degeneration, Nos Inflammation, Chronic Diffuse
Seminal vesicle		Abscess, Nos
Spleen		Hematopoiesis
Stomach		Necrosis, Focal
Testis		Degeneration, Nos
Unspecified	Abdominal Cavity	Steatitis
Ureter		Hyperplasia, Epithelial
Urinary bladder		Inflammation, Chronic Focal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_777

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Kidney

Cortex Nos

Metamorphosis, Fatty

Liver

Inflammation, Chronic

Granuloma, Nos

Lung

Metamorphosis, Fatty

Hyperplasia, Alveolar Epithelium

Mammary gland

Inflammation, Chronic

Fibroadenoma

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_778

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Kidney
Lung
Parathyroid gland
Stomach

Testis

Thyroid

Cortex Nos
Myocardium Nos

Metamorphosis, Fatty
Fibrosis, Focal
Inflammation, Chronic
Inflammation, Chronic
Hyperplasia, Nos
Acanthosis
Hyperkeratosis
Inflammation, Chronic
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor
C-Cell Adenoma
Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_779

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
		Metamorphosis, Fatty
		Pigmentation, Nos
Lung		Inflammation, Chronic
Pancreas		Atrophy, Diffuse
Prostate		Inflammation, Chronic Focal
Spleen		Fibrosis, Focal
		Necrosis, Focal
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_780

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Large

Descending, Colon

Adenomatous Polyp, Nos

Kidney

Inflammation, Chronic

Lung

Inflammation, Chronic

Lymph node

Mandibular Lymph Node

Hyperplasia, Lymphoid

Pancreas

Lymphangiectasis

Preputial gland

Atrophy, Diffuse

Prostate

Cystic Ducts

Testis

Inflammation, Chronic Focal

Thyroid

Hyperplasia, Interstitial Cell

Unspecified

Interstitial-Cell Tumor

C-Cell Adenoma

C-Cell Carcinoma

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_781

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney
Liver

Cortex Nos

Metamorphosis, Fatty
Inflammation, Chronic
Focal Cellular Change

Bile Duct

Hyperplasia, Nos
Metamorphosis, Fatty
Inflammation, Chronic
Adenoma, Nos
Inflammation, Chronic Focal

Lung
Pituitary gland
Prostate
Seminal vesicle
Spleen
Stomach

Cyst, Nos
Hemosiderosis
Acanthosis
Hyperkeratosis
Inflammation, Chronic
Ulcer, Perforated
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor
C-Cell Carcinoma

Testis

Thyroid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_782

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Pheochromocytoma

Kidney

Inflammation, Chronic

Liver

Necrosis, Focal

Pigmentation, Nos

Lung

Inflammation, Chronic

Lymph node

Mandibular Lymph Node

Hyperplasia, Lymphoid

Pancreas

Acinar-Cell Adenoma

Ectopia

Preputial gland

Squamous Cell Carcinoma

Stomach

Necrosis, Focal

Testis

Interstitial-Cell Tumor

Thyroid

Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_783

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Blood vessel	Coronary Artery Nos Vena Cava Nos	Mineralization Mineralization
Liver	Bile Duct	Hyperplasia, Nos
Lymph node	Iliac Lymph Node Mediastinal Lymph Node Mesenteric Lymph Node Ileocolic Lymph Node	Hemorrhage Hemorrhage Hyperplasia, Reticulum Cell Pigmentation, Nos
Mammary gland		Hyperplasia, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Hyperplasia, Focal
Preputial gland		Cystic Ducts Hyperplasia, Diffuse
Seminal vesicle		Cyst, Nos
Skin		Necrosis, Focal
Spleen		Hemosiderosis
Stomach		Acanthosis Mineralization Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos Multiple Organs Nos	Inflammation, Acute Inflammation, Chronic
Urinary bladder		Inflammation, Hemorrhagic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_784

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone	Rib	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Preputial gland		Abscess, Nos
		Cystic Ducts
		Hyperkeratosis
		Inflammation, Chronic
Spleen		Fibrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_785

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
	Medulla	Pheochromocytoma, Malignant
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lymph node	Mesenteric Lymph Node	Lymphangiectasis
Pancreas	Islets	Hyperplasia, Focal
Parathyroid gland		Hyperplasia, Nos
Prostate		Abscess, Nos
		Inflammation, Chronic Diffuse
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Ulcer, Perforated
Testis		Degeneration, Nos
		Periarteritis
Thyroid		Follicular-Cell Adenoma
Unspecified		Fibroma
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_786

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Brain	Cerebrum	Granular-Cell Tumor, Nos
	Cerebrum	Necrosis, Focal
Eye	Retina	Degeneration, Nos
		Phthisis Bulbi
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Bronchiectasis
		Inflammation, Chronic
Pancreas	Acinus	Hyperplasia, Focal
Spleen		Fibrosis, Focal
		Hemosiderosis
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_787

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Angiectasis

Hyperplasia, Focal

Pheochromocytoma

Epididymis

Necrosis, Fat

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Liver

Metamorphosis, Fatty

Pigmentation, Nos

Lung

Inflammation, Chronic

Lymph node

Pancreatic Lymph Node

Hemorrhage

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Mandibular Lymph Node

Inflammation, Chronic Diffuse

Mediastinal Lymph Node

Pigmentation, Nos

Pituitary gland

Adenoma, Nos

Prostate

Inflammation, Chronic Focal

Spleen

Fibrosarcoma

Stomach

Acanthosis

Hyperkeratosis

Inflammation, Acute Focal

Inflammation, Chronic Diffuse

Necrosis, Focal

Testis

Ulcer, Perforated

Degeneration, Nos

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_788

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Lymph node

Skin

Spleen

Testis

Zymbal gland

Myocardium Nos

Tubule

Mesenteric Lymph Node

Pancreatic Lymph Node

Neck

Pheochromocytoma

Inflammation, Chronic Focal

Inflammation, Chronic

Pigmentation, Nos

Focal Cellular Change

Inflammation, Chronic

Lymphangiectasis

Pigmentation, Nos

Hemangiopericytoma, Malignant

Hematopoiesis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Abscess, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_789

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Heart

Cortex Nos

Metamorphosis, Fatty

Intestine Large

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Colon

Inflammation, Chronic Focal

Liver

Inflammation, Chronic

Lung

Metamorphosis, Fatty

Spleen

Inflammation, Chronic

Testis

Hematopoiesis

Thyroid

Interstitial-Cell Tumor

Unspecified

C-Cell Carcinoma

Back

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_790

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
		Hepatitis, Toxic
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Pancreas	Acinus	Hyperplasia, Focal
Preputial gland		Cystic Ducts
Prostate		Inflammation, Chronic Diffuse
Stomach		Acanthosis
		Inflammation, Chronic Diffuse
		Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Urinary bladder		Inflammation, Acute Diffuse
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_791

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone	Rib	Degeneration, Nos
Eye	Cornea	Inflammation, Chronic Diffuse
Lung		Hyperplasia, Alveolar Epithelium
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma
Pancreas	Acinus	Hyperplasia, Focal
Pituitary gland		Adenoma, Nos
		Pigmentation, Nos
Preputial gland		Hyperplasia, Diffuse
Prostate		Carcinoma, Nos
		Hyperplasia, Diffuse
Seminal vesicle		Cystic Ducts
		Hyperplasia, Diffuse
Spleen	Follicles	Atrophy, Nos
		Hemosiderosis
Stomach		Acanthosis
	Muscularis	Degeneration, Nos
		Ulcer, Perforated
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Back	Fibroma
	Multiple Organs Nos	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_792

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Spleen		Hemorrhage
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_793

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Lymphangiectasis
Pancreas		Acinar-Cell Adenoma
		Periarteritis
Skin	Back	Basal-Cell Carcinoma
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_794

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Lymphangiectasis
Pancreas		Ectopia
Skin	Back	Basal-Cell Carcinoma
	Foot And Toe Nos	Squamous Cell Papilloma
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_795

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
	Medulla	Pheochromocytoma
Bone	Rib	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Tubular-Cell Adenocarcinoma
Liver		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Pancreatic Lymph Node	Pigmentation, Nos
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
Prostate		Abscess, Nos
		Inflammation, Chronic Focal
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Tongue		Cyst, Epidermal Inclusion
		Squamous Cell Papilloma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_796

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Metamorphosis, Fatty
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Cecum, Colon	Inflammation, Chronic Diffuse
	Cecum, Colon	Lipoma
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
	Ileocolic Lymph Node	Inflammation, Chronic Diffuse
	Ileocolic Lymph Node	Lymphangiectasis
	Mesenteric Lymph Node	Lymphangiectasis
Pancreas	Islets	Hyperplasia, Focal
Pituitary gland		Hyperplasia, Focal
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_797

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Prostate		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Back	Fibroma
	Flank	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_798

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Degeneration, Nos
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Angiectasis
		Degeneration, Nos
		Focal Cellular Change
		Metamorphosis, Fatty
		Necrosis, Focal
		Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas		Acinar-Cell Adenoma
	Acinus	Hyperplasia, Focal
Pituitary gland		Adenoma, Nos
Preputial gland		Squamous Cell Carcinoma
Skin	Groin	Basal-Cell Carcinoma
	Nose	Squamous Cell Papilloma
Spleen		Fibrosis, Focal
Stomach		Edema, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_799

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Intestine Large
Kidney

Colon

Tubule

Liver
Lung
Lymph node

Mediastinal Lymph Node
Mesenteric Lymph Node
Mediastinal Lymph Node

Spleen
Testis

Unspecified

Ear
Multiple Organs Nos

Pheochromocytoma
Parasitism
Inflammation, Chronic
Pigmentation, Nos
Focal Cellular Change
Inflammation, Chronic
Hemorrhage
Lymphangiectasis
Pigmentation, Nos
Hematopoiesis
Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor
Fibrosarcoma
Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_800

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hemorrhage
	Bile Duct	Inflammation, Chronic
		Necrosis, Focal
Lung		Inflammation, Chronic
		Mesothelioma, Metastatic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Prostate		Hyperplasia, Focal
		Inflammation, Chronic Focal
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_801

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Bone	Sternum	Osteopetrosis
Eye	Retina	Degeneration, Nos
Heart	Atrium	Thrombosis, Nos
Kidney	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Hepatitis, Toxic
		Pigmentation, Nos
Lymph node	Mandibular Lymph Node	Hemorrhage
	Mandibular Lymph Node	Inflammation, Acute Diffuse
Prostate		Hyperplasia, Epithelial
		Inflammation, Acute Diffuse
Spleen	Follicles	Atrophy, Nos
		Pigmentation, Nos
Stomach		Acanthosis
		Hyperkeratosis
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Monocytic
Urinary bladder		Hemorrhage
		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_802

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Follicular-Cell Adenoma
		Hyperplasia, C Cell
Unspecified	Leg	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_803

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
		Necrosis, Focal
Lung		Inflammation, Chronic
		Neoplasm, Nos, Metastatic
		Thrombosis, Nos
Pancreas		Ectopia
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Spleen		Hematopoiesis
		Thrombosis, Nos
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Urinary bladder		Hyperplasia, Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_804

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Hypoplasia, Nos
Kidney	Tubule	Pigmentation, Nos
Liver	Bile Duct	Cyst, Multilocular
		Degeneration, Nos
		Metamorphosis, Fatty
		Necrosis, Focal
Lymph node	Mesenteric Lymph Node	Lymphangiectasis
Mammary gland		Cystic Ducts
Pancreas	Acinus	Hyperplasia, Focal
Pituitary gland		Adenoma, Nos
		Angiectasis
Preputial gland		Squamous Cell Carcinoma
Prostate		Hyperplasia, Epithelial
Spleen		Hematopoiesis
		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Ulcer, Perforated
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Inflammation, Chronic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_805

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas	Islets	Hyperplasia, Focal
Pituitary gland		Cyst, Nos
Prostate		Inflammation, Acute Diffuse
		Inflammation, Chronic Diffuse
Seminal vesicle		Inflammation, Chronic Diffuse
Skin	Back	Squamous Cell Carcinoma
Spinal cord	Cauda Equina	Liposarcoma, Invasive
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Multiple Organs Nos	Liposarcoma, Metastatic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_806

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Hemorrhage

Heart

Myocardium Nos

Pheochromocytoma

Kidney

Inflammation, Chronic Focal

Liver

Inflammation, Chronic

Lung

Hepatitis, Toxic

Prostate

Neoplastic Nodule

Spleen

Inflammation, Chronic

Testis

Inflammation, Chronic Focal

Unspecified

Necrosis, Focal

Multiple Organs Nos

Interstitial-Cell Tumor

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_807

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change Granuloma, Nos
	Bile Duct	Inflammation, Chronic Metamorphosis, Fatty Necrosis, Focal Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Cystic Ducts
Pancreas		Ectopia
Pituitary gland		Adenoma, Nos
Prostate		Angiectasis Hyperplasia, Epithelial
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_808

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
	Cornea	Inflammation, Chronic Diffuse
Intestine Small	Mesentery Nos	Periarteritis
Liver		Degeneration, Nos
		Focal Cellular Change
		Metamorphosis, Fatty
		Necrosis, Focal
		Neoplastic Nodule
		Pigmentation, Nos
Pancreas		Periarteritis
Pituitary gland		Carcinoma, Nos
Skeletal muscle	Neck	C-Cell Carcinoma, Invasive
Spleen		Hematopoiesis
Stomach		Acanthosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		Follicular-Cell Carcinoma
Trachea		C-Cell Carcinoma, Invasive
Unspecified	Multiple Organs Nos	C-Cell Carcinoma, Metastatic
	Multiple Organs Nos	Hyperplasia, Nos
	Multiple Organs Nos	Inflammation, Chronic
	Back	Keratoacanthoma
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_809

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney	Tubule	Inflammation, Chronic Pigmentation, Nos
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mandibular Lymph Node	Hyperplasia, Lymphoid
Oral mucosa		Squamous Cell Carcinoma
Prostate		Inflammation, Chronic Focal
Stomach		Acanthosis Hyperkeratosis
Testis		Inflammation, Chronic Focal Hyperplasia, Interstitial Cell
Thyroid		Interstitial-Cell Tumor C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_810

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Heart
Intestine Large
Kidney
Liver

Lung

Testis
Unspecified

Myocardium Nos
Colon

Groin

Multiple Organs Nos

Pheochromocytoma
Inflammation, Chronic Diffuse
Parasitism
Inflammation, Chronic
Focal Cellular Change
Hepatitis, Toxic
Hemorrhage
Inflammation, Chronic
Interstitial-Cell Tumor
Fibroma
Fibrosis
Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_811

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Large Intestine, Colon	Parasitism
Kidney		Inflammation, Chronic
Liver	Bile Duct	Focal Cellular Change Hyperplasia, Nos Metamorphosis, Fatty Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
	Pancreatic Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma Hyperplasia, Nos
Pituitary gland		Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Skin	Flank	Neurofibrosarcoma
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_812

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Angiectasis

Medulla

Hyperplasia, Focal

Eye

Retina

Pheochromocytoma

Kidney

Tubule

Degeneration, Nos

Liver

Inflammation, Chronic

Pigmentation, Nos

Focal Cellular Change

Hematopoiesis

Metamorphosis, Fatty

Pigmentation, Nos

Lung

Inflammation, Chronic

Lymph node

Mediastinal Lymph Node

Erythrophagocytosis

Mesenteric Lymph Node

Hyperplasia, Lymphoid

Mammary gland

Fibroadenoma

Pancreas

Ectopia

Prostate

Inflammation, Chronic Diffuse

Skin

Flank

Basal-Cell Carcinoma

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Carcinoma

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

Zymbal gland

Cystic Ducts

Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_813

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortical Adenoma
Metamorphosis, Fatty
Pheochromocytoma

Harderian gland

Harderian Gland
Harderian Gland

Atrophy, Nos
Inflammation, Acute Diffuse

Kidney

Tubule

Pigmentation, Nos

Liver

Hepatitis, Toxic
Metamorphosis, Fatty

Lung

Inflammation, Acute Focal

Mammary gland

Fibroadenoma

Pancreas

Atrophy, Focal

Pituitary gland

Adenoma, Nos

Salivary gland

Atrophy, Diffuse

Stomach

Acanthosis
Hyperkeratosis
Necrosis, Focal

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Carcinoma

Unspecified

Multiple Organs Nos
Multiple Organs Nos
Multiple Organs Nos

Cyst, Follicular Nos
Follicular-Cell Adenoma
Hyperplasia, Nos
Inflammation, Chronic
Leukemia, Monocytic
Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_814

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
	Cortex Nos	Necrosis, Focal
	Cortex Nos	Thrombosis, Nos
Bone	Mandible	Fibrous Osteodystrophy
Bone marrow		Necrosis, Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Leukocytosis, Nos
		Lymphoma, Histiocytic-Malignant Type
		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mandibular Lymph Node	Hyperplasia, Lymphoid
Pancreas		Atrophy, Focal
Pituitary gland		Hyperplasia, Focal
Skin	Face	Abscess, Nos
Spleen		Hematopoiesis
Stomach		Necrosis, Focal
Testis		Infarct, Nos
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		C-Cell Carcinoma
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_815

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Metamorphosis, Fatty
		Pigmentation, Nos
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Spleen		Hemosiderosis
Stomach		Acanthosis
		Inflammation, Acute Focal
		Inflammation, Chronic Diffuse
		Necrosis, Focal
		Ulcer, Perforated
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_816

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Necrosis, Focal
Lung		Inflammation, Chronic
Pancreas		Periarteritis
Salivary gland		Sarcoma, Nos
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Urinary bladder		Hyperplasia, Epithelial
		Inflammation, Chronic Focal
		Pigmentation, Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_817

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortical Adenoma

Necrosis, Focal

Kidney

Pheochromocytoma, Malignant

Lung

Inflammation, Chronic

Lymph node

Pheochromocytoma, Metastatic

Parathyroid gland

Renal Lymph Node

Pigmentation, Nos

Testis

Hyperplasia, Nos

Hyperplasia, Interstitial Cell

Zymbal gland

Interstitial-Cell Tumor

Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_818

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Testis

Hyperplasia, Interstitial Cell

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_819

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney

Lung

Lymph node

Pituitary gland

Prostate

Stomach

Mesenteric Lymph Node

Inflammation, Chronic

Congestion, Nos

Inflammation, Chronic

Hyperplasia, Reticulum Cell

Abscess, Nos

Necrosis, Nos

Inflammation, Chronic Focal

Acanthosis

Hyperkeratosis

Inflammation, Acute Focal

Necrosis, Focal

Interstitial-Cell Tumor

C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_820

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Hepatitis, Toxic
		Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Urinary bladder		Polyp, Inflammatory

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_821

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Seminal vesicle		Cyst, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Back	Neurofibroma
Zymbal gland		Cystic Ducts
		Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_822

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
Unspecified	Leg	Interstitial-Cell Tumor
		Hemangiosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_823

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebrum	Necrosis, Focal
Heart		Embolus, Septic
	Cardiac Valve	Inflammation, Chronic
Intestine Large	Cecum, Colon	Inflammation, Acute Diffuse
	Cecum, Colon	Necrosis, Diffuse
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Lymph node	Pancreatic Lymph Node	Atrophy, Nos
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Pancreatic Lymph Node	Pigmentation, Nos
Prostate		Inflammation, Chronic Focal
Spleen	Follicles	Atrophy, Nos
		Fibrosis, Diffuse
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Focal
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_824

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas		Ectopia
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Unspecified	Multiple Organs Nos	Mesothelioma, Invasive
	Back	Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_825

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Lymph node

Prostate

Skin

Testis

Unspecified

Myocardium Nos

Tubule

Bile Duct

Mediastinal Lymph Node

Mandibular Lymph Node

Mesenteric Lymph Node

Mediastinal Lymph Node

Back

Axilla

Pheochromocytoma

Inflammation, Chronic Focal

Inflammation, Chronic

Pigmentation, Nos

Hyperplasia, Nos

Inflammation, Chronic

Hemorrhage

Hyperplasia, Lymphoid

Hyperplasia, Reticulum Cell

Pigmentation, Nos

Hyperplasia, Focal

Inflammation, Chronic Focal

Keratoacanthoma

Interstitial-Cell Tumor

Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_826

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Neoplastic Nodule
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Atrophy, Focal
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
		Follicular-Cell Adenoma
Unspecified	Back	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_827

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
		Inflammation, Chronic
Pancreas	Islets	Hyperplasia, Focal
Skin	Lower Leg	Acanthosis
Spleen		Hemosiderosis
Stomach		Squamous Cell Papilloma
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_828

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Hepatitis, Toxic
		Neoplastic Nodule
Lung		Hyperplasia, Alveolar Epithelium
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Pigmentation, Nos
Prostate		Inflammation, Chronic Focal
Stomach		Acanthosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_829

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
		Mixed Tumor, Malignant
	Tubule	Pigmentation, Nos
Liver	Hepatocytes	Hepatocytomegaly
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas	Islets	Islet-Cell Carcinoma
Prostate		Inflammation, Chronic Focal
Spinal cord		Degeneration, Nos
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_830

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatocellular Carcinoma
		Pigmentation, Nos
Lung		Inflammation, Chronic
Mammary gland		Adenocarcinoma, Nos
Stomach		Acanthosis
		Hyperkeratosis
		Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Inflammation, Chronic Diffuse
Urinary bladder		Hyperplasia, Epithelial
		Metaplasia, Squamous

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_831

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Degeneration, Nos
Liver	Bile Duct	Hyperplasia, Nos
Lung		Osteosarcoma, Metastatic
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Unspecified	Leg	Osteosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_832

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Cardiac Valve Myocardium Nos	Inflammation, Acute Focal Inflammation, Chronic Diffuse
Kidney		Embolism, Nos Inflammation, Chronic Diffuse
Liver	Bile Duct Bile Duct	Fibrosis Hyperplasia, Nos
Lung		Inflammation, Chronic
Preputial gland		Abscess, Nos Cystic Ducts
Prostate		Abscess, Nos
Seminal vesicle		Inflammation, Acute Diffuse Cyst, Nos Inflammation, Acute Focal
Spleen		Hemosiderosis
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Zymbal gland		Cystic Ducts Squamous Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_833

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Intestine Large

Colon

Hyperplasia, Focal

Kidney

Ascending Colon, Colon

Leiomyosarcoma

Lung

Inflammation, Chronic

Lymph node

Inflammation, Chronic

Pancreas

Mediastinal Lymph Node

Hemorrhage

Testis

Mesenteric Lymph Node

Hyperplasia, Lymphoid

Thyroid

Atrophy, Focal

Interstitial-Cell Tumor

C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_834

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland

Heart

Kidney

Liver

Lung

Pancreas

Spleen

Testis

Thyroid

Unspecified

Myocardium Nos

Bile Duct

Bile Duct

Axilla

Hip

Hematopoiesis

Inflammation, Chronic Diffuse

Inflammation, Chronic

Hyperplasia, Nos

Inflammation, Chronic

Hyperplasia, Alveolar Epithelium

Inflammation, Chronic

Atrophy, Focal

Hematopoiesis

Interstitial-Cell Tumor

Hyperplasia, C Cell

Fibrosarcoma

Neurofibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_835

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Congestion, Nos

Heart

Myocardium Nos

Metamorphosis, Fatty

Kidney

Inflammation, Chronic Focal

Liver

Hyperplasia, Tubular Cell

Lung

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Hepatitis, Toxic

Testis

Inflammation, Chronic

Thyroid

Pigmentation, Nos

Unspecified

Multiple Organs Nos

Interstitial-Cell Tumor

Hyperplasia, C Cell

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_836

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
Lung		Inflammation, Chronic
Lymph node	Iliac Lymph Node	Hyperplasia, Lymphoid
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
	Iliac Lymph Node	Lymphangiectasis
Prostate		Abscess, Nos
		Inflammation, Chronic Diffuse
Skin	Flank	Keratoacanthoma
Spleen		Fibrosis, Focal
		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Acanthosis
		Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_837

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Leukemia, Monocytic
		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mesenteric Lymph Node	Lymphangiectasis
	Mediastinal Lymph Node	Pigmentation, Nos
Spleen		Hematopoiesis
		Hemosiderosis
		Hyperplasia, Reticulum Cell
		Leukemia, Mononuclear Cell
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
		Follicular-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_838

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
	Pancreatic Lymph Node	Pigmentation, Nos
Pancreas		Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Neck	Fibroma
	Back	Osteosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_839

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Angiectasis

Heart

Myocardium Nos

Hyperplasia, Focal

Kidney

Tubule

Inflammation, Chronic Focal

Liver

Inflammation, Chronic

Pigmentation, Nos

Focal Cellular Change

Granuloma, Nos

Leukocytosis, Nos

Metamorphosis, Fatty

Pigmentation, Nos

Lung

Inflammation, Chronic

Lymph node

Mediastinal Lymph Node

Erythrophagocytosis

Mediastinal Lymph Node

Pigmentation, Nos

Pituitary gland

Angiectasis

Hyperplasia, Focal

Spleen

Hematopoiesis

Stomach

Acanthosis

Hyperkeratosis

Inflammation, Chronic Diffuse

Testis

Interstitial-Cell Tumor

Urinary bladder

Polyp, Inflammatory

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_840

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Acinar-Cell Adenoma
Prostate		Hyperplasia, Focal
Spleen		Hematopoiesis
		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis	Rete Testis	Adenocarcinoma, Nos
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified	Abdominal Cavity	Necrosis, Fat
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_841

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma, Malignant
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic Nephrosis, Hydro
Liver		Degeneration, Nos Focal Cellular Change
Lung		Congestion, Nos Inflammation, Chronic
Pancreas		Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Chronic Diffuse
Seminal vesicle		Cyst, Nos
Spleen		Hematopoiesis Hemosiderosis Pheochromocytoma, Metastatic
Stomach	Muscularis	Degeneration, Nos
Unspecified	Multiple Organs Nos	Mineralization
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_842

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Leukocytosis, Nos
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Skin	Trunk	Basal-Cell Carcinoma
Spleen		Fibrosis, Focal
		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Zymbal gland		Cystic Ducts
		Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_843

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Pigmentation, Nos
Liver		Kupffer-Cell Sarcoma
Lung	Alveoli	Histiocytosis
		Inflammation, Chronic
		Pigmentation, Nos
Lymph node	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
Spleen		Fibrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_844

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Pheochromocytoma

Esophagus

Hyperkeratosis

Kidney

Inflammation, Chronic

Liver

Metamorphosis, Fatty

Pigmentation, Nos

Lung

Inflammation, Chronic

Stomach

Acanthosis

Hyperkeratosis

Inflammation, Chronic Diffuse

Testis

Interstitial-Cell Tumor

Thyroid

C-Cell Carcinoma

Tongue

Acanthosis

Hyperkeratosis

Inflammation, Chronic Focal

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

Zymbal gland

Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_845

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos Necrosis, Focal Pigmentation, Nos
Lung		Inflammation, Chronic Pigmentation, Nos
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
Prostate		Abscess, Nos Inflammation, Chronic Focal
Spleen		Fibrosis, Multifocal
Stomach		Acanthosis Hyperkeratosis Inflammation, Chronic Focal Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Urinary bladder		Hyperplasia, Papillary Inflammation, Chronic Diffuse
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_846

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Bone	Sternum	Hypoplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Angiectasis
		Degeneration, Nos
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
		Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hemorrhage
	Mandibular Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
		Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Spleen		Hemosiderosis
Stomach		Acanthosis
		Inflammation, Chronic Diffuse
		Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_847

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_848

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Degeneration, Nos
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Hyperplasia, Reticulum Cell
	Pancreatic Lymph Node	Pigmentation, Nos
Skin	Trunk	Trichoepithelioma
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_849

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Hyperplasia, Nos
Pancreas	Acinus	Hyperplasia, Focal
Prostate		Hyperplasia, Epithelial
Spleen		Fibrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_850

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Focal
		Leukemia, Monocytic
Lung		Pneumonia, Chronic Murine
Pancreas		Atrophy, Focal
Prostate		Cyst, Nos
		Inflammation, Chronic Focal
Seminal vesicle		Cyst, Nos
Skin	Back	Cyst, Epidermal Inclusion
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_851

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Pancreatic Lymph Node	Pigmentation, Nos
Skin	Flank	Neurofibroma
Spleen		Fibrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_852

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Eye	Retina	Degeneration, Nos Phthisis Bulbi
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
Lung	Alveoli	Hemorrhage Histiocytosis Hyperplasia, Alveolar Epithelium Inflammation, Chronic Squamous Cell Carcinoma, Metastatic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Hyperplasia, Nos
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Chronic Diffuse
Skin		Squamous Cell Carcinoma
Stomach		Acanthosis Basal-Cell Carcinoma Hyperkeratosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos Abdominal Cavity	Leukemia, Monocytic Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_853

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Intestine Small

Mesentery Nos

Mesothelioma, Malignant

Kidney

Inflammation, Chronic

Liver

Metamorphosis, Fatty

Lung

Hemorrhage

Pancreas

Mesothelioma, Metastatic

Atrophy, Focal

Skin

Lip Nos

Ectopia

Spleen

Basal-Cell Carcinoma

Stomach

Hematopoiesis

Testis

Hyperkeratosis

Thyroid

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

C-Cell Adenoma

Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_854

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
		Thrombosis, Nos
Liver		Granuloma, Nos
		Hemorrhage
	Bile Duct	Hyperplasia, Nos
		Necrosis, Focal
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Erythrophagocytosis
Mammary gland		Fibroadenoma
Pancreas		Atrophy, Focal
		Ectopia
Prostate		Abscess, Nos
		Inflammation, Chronic Diffuse
Spleen		Hemosiderosis
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Urinary bladder		Inflammation, Chronic Diffuse

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_855

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Angiectasis
Eye	Cornea	Inflammation, Chronic Focal Phthisis Bulbi
Liver		Degeneration, Nos Focal Cellular Change Granuloma, Nos Hemorrhage Metamorphosis, Fatty Necrosis, Focal Pigmentation, Nos Fibroadenoma
Mammary gland		Atrophy, Focal
Pancreas		Cyst, Nos
Seminal vesicle		Keratoacanthoma
Skin		Fibrosis, Multifocal
Spleen		Hemosiderosis
Stomach		Inflammation, Acute Focal Necrosis, Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Hyperplasia, Nos
	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Leukemia, Monocytic
	Thorax	Lipoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_856

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Epididymis		Necrosis, Fat
Eye	Retina	Degeneration, Nos
Kidney	Tubule	Pigmentation, Nos
Liver	Bile Duct	Cyst, Nos
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Mammary gland		Hyperplasia, Nos
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Necrosis, Focal
		Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thymus		Papillary Adenocarcinoma
Thyroid		C-Cell Carcinoma
		Follicular-Cell Adenoma
Unspecified	Multiple Organs Nos	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_857

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Granuloma, Nos
Lung		Congestion, Nos
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Mammary gland		Fibroadenoma
Pancreas		Acinar-Cell Adenoma
		Ectopia
	Acinus	Hyperplasia, Focal
	Islets	Islet-Cell Carcinoma
Pituitary gland		Hemorrhage
		Necrosis, Focal
Prostate		Abscess, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_858

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic Necrosis, Focal
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Skin		Squamous Cell Papilloma
Spleen		Hemosiderosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_859

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Eye	Retina	Degeneration, Nos
	Cornea	Inflammation, Chronic Diffuse
	Crystalline Lens	Rupture
		Synechia, Posterior
Kidney	Cortex	Cyst, Nos
		Tubular-Cell Adenocarcinoma
Liver		Degeneration, Nos
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
Stomach		Acanthosis
		Hyperkeratosis
		Ulcer, Perforated
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Inflammation, Chronic
	Abdominal Cavity	Necrosis, Fat
	Multiple Organs Nos	Pigmentation, Nos
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_860

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Brain	Cerebrum	Gliosis
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas		Atrophy, Focal
Salivary gland		Atrophy, Diffuse
		Inflammation, Chronic Diffuse
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_861

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Fibrosis
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_862

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Diffuse
Eye		Cataract
	Retina	Degeneration, Nos
	Cornea	Inflammation, Chronic Focal
		Synechia, Anterior
	Vitreous Body	Vascularization
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Focal
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas	Islets	Hyperplasia, Focal
Spleen		Hemosiderosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_863

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Pancreatic Lymph Node	Hemorrhage
Pancreas		Inflammation, Chronic Focal
Prostate		Inflammation, Chronic Focal
Stomach		Hyperkeratosis
Testis		Hyperplasia, Interstitial Cell
Thyroid		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	C-Cell Carcinoma
		Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_864

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Eye

Kidney

Lung

Lymph node

Pancreas

Spleen

Testis

Thyroid

Unspecified

Retina

Tubule

Pancreatic Lymph Node

Multiple Organs Nos

Pheochromocytoma

Cataract

Degeneration, Nos

Inflammation, Chronic

Pigmentation, Nos

Inflammation, Chronic

Pigmentation, Nos

Atrophy, Focal

Fibrosis, Multifocal

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

Cyst, Follicular Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_865

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Eye

Retina

Cataract

Degeneration, Nos

Hemorrhage

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Liver

Bile Duct

Hyperplasia, Nos

Lung

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Hyperplasia, Reticulum Cell

Testis

Pancreatic Lymph Node

Pigmentation, Nos

Thyroid

Interstitial-Cell Tumor

Hyperplasia, C Cell

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_866

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney

Inflammation, Chronic

Lung

Inflammation, Chronic

Lymph node

Mediastinal Lymph Node

Rhabdomyosarcoma, Metastatic

Skeletal muscle

Back

Rhabdomyosarcoma

Testis

Hyperplasia, Interstitial Cell

Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_867

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
Eye	Retina	Degeneration, Nos Empyema
Heart	Cornea	Inflammation, Chronic Diffuse
Intestine Large	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Muscularis, Colon	Degeneration, Nos Inflammation, Chronic
Liver	Tubule	Pigmentation, Nos
	Bile Duct	Fibrosis Focal Cellular Change
Lung	Bile Duct	Hyperplasia, Nos Inflammation, Chronic
Mammary gland		Fibroadenoma Hyperplasia, Nos
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Spleen		Hematopoiesis Hemosiderosis
Stomach	Muscularis	Degeneration, Nos Edema, Nos
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Mineralization
Ureter		Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_868

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Granuloma, Nos Inflammation, Chronic Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
Pancreas		Acinar-Cell Adenoma Ectopia
Preputial gland		Squamous Cell Carcinoma
Spleen		Hematopoiesis Hemosiderosis
Stomach		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_869

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Lung	Inflammation, Chronic
Stomach	Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_870

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
	Cornea	Inflammation, Chronic Diffuse
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Erythrophagocytosis
Pancreas		Atrophy, Focal
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Urinary bladder		Hyperplasia, Epithelial

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_871

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Bone	Rib	Degeneration, Nos
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Neoplastic Nodule
Lung		Inflammation, Chronic
Pancreas		Acinar-Cell Adenoma
Prostate		Inflammation, Chronic Focal
Spleen		Hemorrhage
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_872

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Accidentally Killed

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Congestion, Nos
		Inflammation, Chronic
Liver		Congestion, Nos
	Bile Duct	Hyperplasia, Nos
Lung		Congestion, Nos
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Atrophy, Focal
Prostate		Cystic Ducts
		Inflammation, Chronic Diffuse
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_873

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Hemorrhage
		Inflammation, Chronic
Pancreas	Islets	Islet-Cell Carcinoma
Spleen		Hemorrhage
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_874

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Pancreas		Atrophy, Focal
Prostate		Inflammation, Chronic Focal
Skin	Back	Cyst, Epidermal Inclusion
Spleen		Hemorrhage
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_875

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
		Focal Cellular Change
		Leukocytosis, Nos
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Skin	Back	Basal-Cell Carcinoma
Spleen		Hematopoiesis
Testis		Infarct, Nos
		Interstitial-Cell Tumor
Zymbal gland		Keratoacanthoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_876

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Parathyroid gland		Hyperplasia, Nos
Preputial gland		Squamous Cell Carcinoma
Prostate		Inflammation, Chronic Focal
Salivary gland		Atrophy, Diffuse
Testis		Inflammation, Chronic Diffuse
		Hyperplasia, Interstitial Cell
Thyroid		Interstitial-Cell Tumor
		Hyperplasia, C Cell
		Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_877

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland
Kidney

Cortex Nos

Metamorphosis, Fatty
Calcification, Nos

Liver
Lung
Pituitary gland
Prostate
Stomach

Inflammation, Chronic
Metamorphosis, Fatty
Inflammation, Chronic
Adenoma, Nos
Inflammation, Acute/Chronic
Hyperkeratosis
Inflammation, Chronic Focal
Necrosis, Focal

Testis

Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor
Hyperplasia, C Cell

Thyroid

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_878

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Lung		Inflammation, Chronic
Spleen		Hematopoiesis
Testis		Hyperplasia, Interstitial Cell
	Tunica Vaginalis	Interstitial-Cell Tumor
	Multiple Organs Nos	Mesothelioma, Malignant
		Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_879

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mesenteric Lymph Node	Lymphangiectasis
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas		Atrophy, Diffuse
	Islets	Islet-Cell Carcinoma
Prostate		Inflammation, Chronic Focal
Stomach		Cyst, Nos
		Hyperplasia, Epithelial
Testis		Interstitial-Cell Tumor
Thyroid		Hemorrhage
		Pigmentation, Nos
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_880

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Brain	Cerebrum	Astrocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Tubule	Pigmentation, Nos
Lung		Granuloma, Nos
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Adenocarcinoma, Nos
Pancreas		Ectopia
Spleen		Hematopoiesis
		Hemosiderosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified	Axilla	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_881

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Small	Mesentery Nos	Fibrosarcoma
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Nasal cavity	Turbinate Nos	Inflammation, Chronic
Prostate		Inflammation, Chronic Focal
Skin	Mouth	Squamous Cell Papilloma
Spleen		Hematopoiesis
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Fibrosarcoma, Invasive
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_882

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Cortex Nos

Metamorphosis, Fatty

Kidney

Inflammation, Chronic

Liver

Hepatitis, Toxic

Lung

Inflammation, Chronic

Testis

Necrosis, Focal

Thyroid

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Hyperplasia, C Cell

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_883

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Hemosiderosis
		Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Spleen		Hemosiderosis
Stomach		Acanthosis
		Cyst, Nos
		Hyperkeratosis
		Inflammation, Chronic Diffuse
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_884

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Esophagus		Hyperkeratosis
Eye		Cataract
	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Granuloma, Nos
		Pigmentation, Nos
Lung		C-Cell Carcinoma, Metastatic
		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	C-Cell Carcinoma, Metastatic
Stomach		Squamous Cell Carcinoma
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_885

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Eye	Retina	Degeneration, Nos Hemorrhage
	Vitreous Body	Inflammation, Chronic
	Cornea	Inflammation, Chronic Diffuse Synechia, Posterior
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Pancreatic Lymph Node	Pigmentation, Nos
Pancreas		Acinar-Cell Adenoma
Preputial gland		Squamous Cell Carcinoma
Skin	Tail	Hyperkeratosis
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_886

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Brain	Cerebrum	Astrocytoma
Heart	Myocardium Nos	Inflammation, Chronic Focal
Intestine Small	Ileum, Ileum	Leiomyosarcoma
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Bile Duct	Fibrosis
Lung		Inflammation, Chronic
Pancreas		Acinar-Cell Adenoma
Pituitary gland		Hyperplasia, Focal
Spleen		Fibrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Adenoma
Unspecified	Leg	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_887

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney	Inflammation, Chronic
Liver	Metamorphosis, Fatty
Lung	Inflammation, Chronic
Prostate	Inflammation, Active Chronic
Salivary gland	Sarcoma, Nos
Stomach	Acanthosis
	Hyperkeratosis
	Hyperplasia, Focal
	Necrosis, Focal
Testis	Hyperplasia, Interstitial Cell
	Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_888

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Hemorrhage
Lymph node	Mesenteric Lymph Node	Inflammation, Chronic
Pancreas		Hyperplasia, Reticulum Cell
Spleen		Atrophy, Focal
Testis		Necrosis, Focal
Unspecified	Multiple Organs Nos	Interstitial-Cell Tumor
		Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_889

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Cystic Ducts
Pituitary gland		Adenoma, Nos
Prostate		Abscess, Nos
Spleen		Hemosiderosis
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
		Necrosis, Focal
Testis		Ulcer, Perforated
		Degeneration, Nos
		Hyperplasia, Interstitial Cell
Thyroid		Interstitial-Cell Tumor
		C-Cell Carcinoma
		Follicular-Cell Carcinoma
Unspecified		Fibroma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_890

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Cortex Nos

Hyperplasia, Focal

Cortex Nos

Metamorphosis, Fatty

Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic Diffuse

Kidney

Inflammation, Chronic

Liver

Focal Cellular Change

Pigmentation, Nos

Lung

Inflammation, Chronic

Prostate

Inflammation, Chronic Diffuse

Spleen

Fibrosis, Focal

Testis

Interstitial-Cell Tumor

Unspecified

Multiple Organs Nos

Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_891

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Skin	Back	Keratoacanthoma
Spleen		Necrosis, Focal
Testis		Interstitial-Cell Tumor
	Tunica Vaginalis	Mesothelioma, Malignant
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Multiple Organs Nos	Mesothelioma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_892

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Necrosis, Focal
Esophagus		Hyperkeratosis
Eye	Cornea	Acanthosis
	Cornea	Inflammation, Acute
Heart	Myocardium Nos	Inflammation, Chronic Focal
Liver	Bile Duct	Hyperplasia, Nos
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mandibular Lymph Node	Lymphangiectasis
Pharynx		Squamous Cell Carcinoma
Prostate		Inflammation, Chronic Focal
Skin	Back	Basal-Cell Tumor
Stomach		Hyperkeratosis
		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified		Abscess, Nos
	Neck	Fibrosarcoma
	Multiple Organs Nos	Inflammation, Chronic
	Multiple Organs Nos	Squamous Cell Carcinoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_893

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Brain	Cerebrum	Carcinoma, Nos, Invasive
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Lymphoid
Parathyroid gland		Hyperplasia, Nos
Pituitary gland		Carcinoma, Nos
Spleen	Follicles	Atrophy, Nos
		Hemosiderosis
Stomach		Acanthosis
		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Inflammation, Chronic Diffuse
Urinary bladder		Hyperplasia, Papillary

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_894

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Brain		Hydrocephalus, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Liver	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Diffuse
Spleen		Hemosiderosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Inflammation, Chronic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_895

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
Lung		Inflammation, Chronic
Prostate		Inflammation, Acute/Chronic
Stomach		Hyperkeratosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_896

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Epididymis		Lipoma
		Necrosis, Fat
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Neoplastic Nodule
Lung		Inflammation, Chronic
Lymph node	Cervical Lymph Node Nos	Erythrophagocytosis
	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Cervical Lymph Node Nos	Pigmentation, Nos
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas	Acinus	Hyperplasia, Focal
Prostate		Inflammation, Chronic Focal
Skin	Thorax	Neurofibrosarcoma
Testis		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_897

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Angiectasis

Hyperplasia, Focal

Pheochromocytoma

Bone marrow

Hypoplasia, Nos

Eye

Retina

Degeneration, Nos

Intestine Large

Large Intestine, Colon

Parasitism

Kidney

Inflammation, Chronic

Lung

Inflammation, Chronic

Lymph node

Mesenteric Lymph Node

Lymphangiectasis

Pancreas

Acinar-Cell Carcinoma

Hyperplasia, Focal

Pituitary gland

Adenoma, Nos

Preputial gland

Squamous Cell Carcinoma

Prostate

Hyperplasia, Epithelial

Spleen

Hematopoiesis

Testis

Interstitial-Cell Tumor

Thyroid

Follicular-Cell Carcinoma

Unspecified

Flank

Fibroma

Multiple Organs Nos

Lymphoma, Histiocytic-Malignant Type

Zymbal gland

Cystic Ducts

Hyperkeratosis

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_898

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland		Pheochromocytoma
Bone marrow		Hypoplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
		Focal Cellular Change
		Hepatitis, Toxic
		Neoplastic Nodule
		Pigmentation, Nos
		Thrombosis, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Lymphangiectasis
Mammary gland		Fibroadenoma
Prostate		Inflammation, Chronic Focal
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
	Abdominal Cavity	Necrosis, Fat

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_899

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Papilla	Necrosis, Nos
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Parathyroid gland		Hyperplasia, Nos
Prostate		Cyst, Nos
		Hemorrhage
		Inflammation, Chronic Diffuse
Seminal vesicle		Cyst, Nos
		Hyperplasia, Diffuse
Testis		Interstitial-Cell Tumor
Urinary bladder		Hemorrhage

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_900

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla
Cortex Nos

Hyperplasia, Focal
Metamorphosis, Fatty
Pheochromocytoma

Heart

Myocardium Nos

Inflammation, Chronic Focal

Kidney

Inflammation, Chronic

Liver

Bile Duct

Inflammation, Chronic
Metamorphosis, Fatty

Lung

Inflammation, Chronic

Mammary gland

Cystic Ducts

Pancreas

Atrophy, Focal

Pituitary gland

Adenoma, Nos

Prostate

Inflammation, Chronic Focal

Stomach

Acanthosis
Adhesion, Nos
Inflammation, Chronic Diffuse
Ulcer, Perforated

Testis

Hyperplasia, Interstitial Cell
Interstitial-Cell Tumor

Thyroid

C-Cell Carcinoma

Zymbal gland

Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_901

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Colon	Parasitism
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Metamorphosis, Fatty
Lung		Hemorrhage
		Inflammation, Chronic
Mammary gland		Cystic Ducts
Pancreas		Atrophy, Focal
Pituitary gland		Adenoma, Nos
Prostate		Inflammation, Chronic Focal
Spleen		Hemosiderosis
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_902

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Hepatitis, Toxic
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Mammary gland		Fibroadenoma
Prostate		Inflammation, Chronic Focal
Spleen		Fibrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_903

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty Pheochromocytoma
Esophagus		Hyperkeratosis
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change Hepatitis, Toxic Hepatocellular Carcinoma Neoplastic Nodule Pigmentation, Nos
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node Mesenteric Lymph Node	Hyperplasia, Lymphoid Hyperplasia, Reticulum Cell
Pancreas		Atrophy, Focal
Prostate		Hyperplasia, Focal
Salivary gland		Atrophy, Diffuse Inflammation, Chronic Diffuse
Spleen		Fibrosis, Focal
Testis		Degeneration, Nos Hyperplasia, Interstitial Cell
Thyroid		Interstitial-Cell Tumor Cyst, Follicular Nos Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_904

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver	Hepatic Sinusoid	Leukocytosis, Nos
		Pigmentation, Nos
Lung		Inflammation, Chronic
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Chronic Diffuse
Skin	Nose	Squamous Cell Papilloma
Spleen		Hemosiderosis
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_905

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Focal Cellular Change
		Hepatitis, Toxic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Fibroadenoma
Pancreas	Acinus	Hyperplasia, Focal
Skin	Knee	Cyst, Epidermal Inclusion
Spleen		Fibrosis, Multifocal
Testis		Degeneration, Nos
		Interstitial-Cell Tumor
Thyroid		Hyperplasia, C Cell
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_906

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
Liver	Bile Duct	Inflammation, Chronic
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
Preputial gland		Cystic Ducts
		Squamous Cell Carcinoma
Prostate		Inflammation, Chronic Focal
Spleen		Fibrosis, Focal
		Hematopoiesis
Stomach		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma
Unspecified	Neck	Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_907

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Metamorphosis, Fatty
Bone marrow		Hyperplasia, Nos
Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Hepatitis, Toxic
Lung		Inflammation, Chronic
Lymph node	Mandibular Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Hyperplasia, Lymphoid
	Mediastinal Lymph Node	Pigmentation, Nos
Mammary gland		Hyperplasia, Nos
Pancreas		Acinar-Cell Adenoma
	Acinus	Hyperplasia, Focal
Prostate		Abscess, Nos
		Hyperplasia, Epithelial
		Inflammation, Chronic Diffuse
Spleen		Fibrosis, Focal
Stomach		Acanthosis
		Inflammation, Chronic Diffuse
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_908

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland

Medulla

Hyperplasia, Focal

Heart

Cortex Nos

Metamorphosis, Fatty

Kidney

Myocardium Nos

Inflammation, Chronic Diffuse

Liver

Inflammation, Chronic

Lung

Metamorphosis, Fatty

Pituitary gland

Inflammation, Chronic

Prostate

Adenoma, Nos

Stomach

Inflammation, Chronic Focal

Testis

Acanthosis

Thyroid

Degeneration, Nos

Periarteritis

Unspecified

Back

Cyst, Follicular Nos

Hyperplasia, C Cell

Neurofibrosarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_909

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Inflammation, Chronic Focal
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Pancreas		Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Testis		Interstitial-Cell Tumor
Thyroid		Follicular-Cell Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_910

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos Medulla	Congestion, Nos Hyperplasia, Focal Pheochromocytoma
Heart	Myocardium Nos Atrium	Inflammation, Chronic Diffuse Thrombosis, Nos
Kidney		Inflammation, Chronic Mineralization
Liver		Degeneration, Nos Focal Cellular Change Metamorphosis, Fatty Necrosis, Focal
Lung		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node Mediastinal Lymph Node	Erythrophagocytosis Pigmentation, Nos
Pancreas	Acinus	Hyperplasia, Focal
Pituitary gland		Adenoma, Nos
Spleen		Hematopoiesis
Stomach		Necrosis, Focal
Testis		Hyperplasia, Interstitial Cell Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma Follicular-Cell Carcinoma
Unspecified Zymbal gland	Abdominal Cavity	Necrosis, Fat Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_911

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Natural Death

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic Mineralization
Liver	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Prostate		Hyperplasia, Nos
Seminal vesicle		Inflammation, Chronic
Skin	Circumanal Gland	Cystic Ducts
	Circumanal Gland	Hemorrhage
Spleen		Inflammation, Acute
Stomach		Hemosiderosis
Testis		Mineralization
		Interstitial-Cell Tumor

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_912

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
	Cortex Nos	Metamorphosis, Fatty
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney		Inflammation, Chronic
Liver		Focal Cellular Change
		Pigmentation, Nos
Lung		Inflammation, Chronic
		Pigmentation, Nos
Pancreas		Atrophy, Focal
	Islets	Islet-Cell Carcinoma
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Chronic Focal
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Focal
Testis		Ulcer, Perforated
Thyroid		Interstitial-Cell Tumor
		Follicular-Cell Adenoma
		Hyperplasia, C Cell
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_913

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Medulla	Hyperplasia, Focal
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Intestine Large	Ascending Colon, Colon	Adenomatous Polyp, Nos
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Degeneration, Nos
	Bile Duct	Fibrosis
		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
		Metamorphosis, Fatty
Lung		Inflammation, Chronic
Lymph node	Ileocolic Lymph Node	Lymphangiectasis
Pancreas		Atrophy, Focal
Parathyroid gland		Hyperplasia, Nos
Prostate		Inflammation, Acute Focal
Stomach		Acanthosis
		Hyperkeratosis
		Inflammation, Chronic Diffuse
Testis		Interstitial-Cell Tumor
Thyroid		Cyst, Follicular Nos
		Hyperplasia, C Cell
Unspecified	Back	Fibroma
	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_914

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Terminal Sacrifice

HISTO:

OBSERVATIONS

Adrenal gland	Cortex Nos	Hyperplasia, Focal
	Medulla	Hyperplasia, Focal
Eye	Retina	Degeneration, Nos
Heart	Myocardium Nos	Inflammation, Chronic Diffuse
Kidney	Cortex	Cyst, Nos
		Inflammation, Chronic
Liver		Focal Cellular Change
	Bile Duct	Hyperplasia, Nos
Lung		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Erythrophagocytosis
	Mediastinal Lymph Node	Pigmentation, Nos
Pancreas	Acinus	Hyperplasia, Focal
Prostate		Hyperplasia, Epithelial
		Inflammation, Chronic Diffuse
Testis		Interstitial-Cell Tumor
Thyroid		C-Cell Carcinoma
		Cyst, Follicular Nos

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_915

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Endocardium Nos	Fibrosis
Kidney		Inflammation, Chronic
	Tubule	Pigmentation, Nos
Liver		Hepatitis, Toxic
Lung		Inflammation, Chronic
Mammary gland		Fibroadenoma
Prostate		Hyperplasia, Epithelial
Stomach		Necrosis, Focal
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic
Zymbal gland		Cystic Ducts

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_916

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Heart	Myocardium Nos	Alveolar/Bronchiolar Carcinoma, Invasive
Kidney		Inflammation, Chronic
Lung		Alveolar/Bronchiolar Carcinoma
		Inflammation, Chronic
Lymph node	Mediastinal Lymph Node	Hemorrhage
	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
	Mediastinal Lymph Node	Pigmentation, Nos
	Mesenteric Lymph Node	Pigmentation, Nos
Prostate		Inflammation, Chronic Focal
Testis		Hyperplasia, Interstitial Cell
		Interstitial-Cell Tumor
Unspecified	Mediastinum Nos	Alveolar/Bronchiolar Carcinoma, Invasive

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: C09007

Test Type: Long-Term

Route: Dosed-Feed

Species/Strain: Rat/F344

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Asbestos, crocidolite

CAS Number: 12001-28-4

Date Report Requested: 10/26/2014

Time Report Requested: 12:25:49

First Dose M/F: NA / NA

Lab: NA

ANIMAL ID: 2_917

TRT#: 2

SEX: Male

DAY ON TEST:

DOSE: 10000 PPM

DISP: Moribund Sacrifice

HISTO:

OBSERVATIONS

Kidney		Inflammation, Chronic
Liver	Bile Duct	Hyperplasia, Nos
Lung		Hemorrhage
		Inflammation, Chronic
Lymph node	Mesenteric Lymph Node	Hyperplasia, Reticulum Cell
Skin	Thorax	Keratoacanthoma
Testis		Interstitial-Cell Tumor
Unspecified	Multiple Organs Nos	Leukemia, Monocytic

PRIMARY CAUSE OF DEATH

-

**** END OF REPORT ****