

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

C Number:	C62066
Lock Date:	Not Entered.
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 1

TRT#: 1

SEX: Male

DAY ON TEST: 95

DOSE: 0.0MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-A001

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 3	TRT#: 1	SEX: Male	DAY ON TEST: 95
	DOSE: 0.0MG/M3BASIC M	DISP: Terminal Sacrifice	HISTO: RZ133-A003

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Intestine Large	Rectum	Inflammation	Granulomatous, Moderate
Liver		Granuloma	Minimal
Lymph Node	Mesenteric	Inflammation	Granulomatous, Minimal
Spleen		Inflammation	Granulomatous, Moderate

Note: NECROGRANULOMATOUS SPLENITIS

[Inflammation TGLS = 1-3,17]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 4

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0.0MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ36-A004

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Epididymis
Intestine Large - Colon
Islets, Pancreatic
Lung
Lymph Node - Mesenteric
Pituitary Gland
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

Bone
Esophagus
Intestine Small - Duodenum
Kidney
Lymph Node - Bronchial
Mammary Gland
Preputial Gland
Skeletal Muscle
Stomach - Glandular
Trachea

Bone Marrow
Heart
Intestine Small - Ileum
Larynx
Lymph Node - Mandibular
Nose
Prostate
Skin
Testes
Urinary Bladder

Brain
Intestine Large - Cecum
Intestine Small - Jejunum
Liver
Lymph Node - Mediastinal
Pancreas
Salivary Glands
Spleen
Thymus

INSUFFICIENT TISSUE

Adrenal Gland - Medulla

Parathyroid Gland

OBSERVATIONS

Intestine Large

Rectum

Parasite Metazoan

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 95
	DOSE: 0.0MG/M3BASIC M	DISP: Terminal Sacrifice	HISTO: RZ133-A006

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Bronchial

OBSERVATIONS

Liver		Necrosis	Multifocal, Minimal
Nose	Olfactory Epi	Necrosis	Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 7

TRT#: 1

SEX: Male

DAY ON TEST: 95

DOSE: 0.0MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-A007

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Brain	Cerebellum, Meninges	Congestion	Minimal
Note: [CONGESTION] TGLs = 2-17			
Heart		Degeneration	Focal, Minimal
Liver		Necrosis	Multifocal, Mild
Preputial Gland		Inflammation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0.0MG/M3BASIC M

DISP: Scheduled Sacrifice

HISTO: RZ133-A013

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Lymph Node - Mesenteric
Parathyroid Gland
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Bronchial
Mammary Gland
Pituitary Gland
Skeletal Muscle
Stomach - Glandular
Trachea

Bone
Esophagus
Intestine Small - Duodenum
Kidney
Lymph Node - Mandibular
Nose
Prostate
Skin
Testes
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Lymph Node - Mediastinal
Pancreas
Salivary Glands
Spleen
Thymus

OBSERVATIONS

Heart
Liver
Preputial Gland

Bile Duct

Degeneration
Inflammation
Inflammation

Focal, Minimal
Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0.0MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-A015

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Islets, Pancreatic
Lung
Mammary Gland
Prostate
Skin
Testes
Urinary Bladder

Adrenal Gland - Medulla
Epididymis
Intestine Small - Duodenum
Kidney
Lymph Node - Mandibular
Pancreas
Salivary Glands
Spleen
Thymus

Bone
Esophagus
Intestine Small - Ileum
Larynx
Lymph Node - Mediastinal
Parathyroid Gland
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

Bone Marrow
Intestine Large - Cecum
Intestine Small - Jejunum
Liver
Lymph Node - Mesenteric
Pituitary Gland
Skeletal Muscle
Stomach - Glandular
Trachea

MISSING

Lymph Node - Bronchial

OBSERVATIONS

Heart
Intestine Large
Nose

Preputial Gland

Rectum
Respirat Epith
Lamina Propria, Respirat Epith

Degeneration
Parasite Metazoan
Hyperplasia
Inflammation
Inflammation

Focal, Mild

Mild
Moderate
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 32

TRT#: 1

SEX: Male

DAY ON TEST: 95

DOSE: 0.0MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-A032

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Lymph Node - Mesenteric
Parathyroid Gland
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Bronchial
Mammary Gland
Pituitary Gland
Skeletal Muscle
Stomach - Glandular
Trachea

Bone
Esophagus
Intestine Small - Duodenum
Kidney
Lymph Node - Mandibular
Nose
Prostate
Skin
Testes
Urinary Bladder

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Lymph Node - Mediastinal
Pancreas
Salivary Glands
Spleen
Thymus

OBSERVATIONS

Heart		Degeneration	Focal, Minimal
Liver	Bile Duct	Inflammation	Minimal
Preputial Gland		Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0.0MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-A037

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Lymph Node - Mediastinal
Parathyroid Gland
Salivary Glands
Spleen
Thymus

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Lung
Lymph Node - Mesenteric
Pituitary Gland
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

Bone
Esophagus
Intestine Small - Duodenum
Kidney
Lymph Node - Bronchial
Mammary Gland
Preputial Gland
Skeletal Muscle
Stomach - Glandular
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Lymph Node - Mandibular
Pancreas
Prostate
Skin
Testes

OBSERVATIONS

Heart
Nose
Urinary Bladder

Lamina Propria, Respirat Epith

Degeneration
Inflammation
Calculus Gross Observation

Focal, Minimal
Moderate

Note: [CALCUS GRO OBS] TGLs = 1-8

Note: CALCULUS OBSERVED BOTH GROSS AND MICRO

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 94

DOSE: 0.0MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-A043

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Lymph Node - Mesenteric
Parathyroid Gland
Salivary Glands
Spleen
Thymus

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Bronchial
Mammary Gland
Pituitary Gland
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

Bone
Esophagus
Intestine Small - Duodenum
Kidney
Lymph Node - Mandibular
Nose
Preputial Gland
Skeletal Muscle
Stomach - Glandular
Trachea

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Lymph Node - Mediastinal
Pancreas
Prostate
Skin
Testes
Urinary Bladder

OBSERVATIONS

Heart		Degeneration	Focal, Minimal
Liver	Bile Duct	Inflammation	Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 66

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 3.0MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-B066

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

OBSERVATIONS

Larynx		Pigmentation	Mild
Lung	Bronchiole	Pigmentation	Minimal
Nose	Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Mild
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 84

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 3.0MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-B084

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

OBSERVATIONS

Larynx		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Minimal
Nose	Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Minimal
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Mild
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 86

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 3.0MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-B086

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

OBSERVATIONS

Larynx		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Minimal
	Respirat Epith	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Mild
Trachea	Respirat Epith	Pigmentation	Mild
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 89

TRT#: 5

SEX: Male

DAY ON TEST: 95

DOSE: 3.0MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-B089

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

OBSERVATIONS

Larynx		Pigmentation	Mild
Lung	Bronchiole	Pigmentation	Minimal
Nose	Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Minimal
	Respirat Epith	Inflammation	Minimal
	Squam Epithel	Inflammation	Mild
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Mild
	Respirat Epith	Pigmentation	Mild
Note: SQUAM EPI INFLAMM NOT ASSOC WITH PIGMENT			
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 92

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 3.0MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-B092

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

OBSERVATIONS

Larynx		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Minimal
Nose	Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Mild
Trachea	Respirat Epith	Pigmentation	Mild
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 96

TRT#: 5

SEX: Male

DAY ON TEST: 95

DOSE: 3.0MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-B096

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

OBSERVATIONS

Larynx		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Minimal
Nose	Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Mild
Trachea	Respirat Epith	Pigmentation	Mild
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 101

TRT#: 5

SEX: Male

DAY ON TEST: 94

DOSE: 3.0MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-B101

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

OBSERVATIONS

Larynx		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Minimal
	Respirat Epith	Inflammation	Minimal
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Mild
Trachea	Respirat Epith	Pigmentation	Mild
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 104

TRT#: 5

SEX: Male

DAY ON TEST: 95

DOSE: 3.0MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-B104

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

OBSERVATIONS

Larynx		Pigmentation	Mild
Lung	Bronchiole	Pigmentation	Minimal
Nose	Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Minimal
	Respirat Epith	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Mild
Trachea	Respirat Epith	Pigmentation	Mild
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 106

TRT#: 5

SEX: Male

DAY ON TEST: 95

DOSE: 3.0MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-B106

OBSERVATIONS

Larynx		Pigmentation	Minimal
Liver	Bile Duct	Inflammation	Minimal
Lung	Bronchiole	Pigmentation	Minimal
Nose	Olfactory Epi	Hyperplasia	Minimal
	Lamina Propria, Respirat Epith	Inflammation	Minimal
	Olfactory Epi	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Mild
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 109

TRT#: 5

SEX: Male

DAY ON TEST: 95

DOSE: 3.0MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-B109

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

OBSERVATIONS

Larynx		Pigmentation	Mild
Lung	Bronchiole	Pigmentation	Minimal
Nose	Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Mild
Trachea	Respirat Epith	Pigmentation	Mild
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 137

TRT#: 9

SEX: Male

DAY ON TEST: 94

DOSE: 10.MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-C137

OBSERVATIONS

Larynx		Pigmentation	Mild
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Mild
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 141

TRT#: 9

SEX: Male

DAY ON TEST: 94

DOSE: 10.MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-C141

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

OBSERVATIONS

Larynx		Pigmentation	Moderate
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Mild
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
Trachea	Respirat Epith	Pigmentation	Mild
		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 143

TRT#: 9

SEX: Male

DAY ON TEST: 94

DOSE: 10.MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-C143

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

OBSERVATIONS

Larynx		Pigmentation	Mild
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Mild
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
Trachea	Respirat Epith	Pigmentation	Mild
		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 145

TRT#: 9

SEX: Male

DAY ON TEST: 95

DOSE: 10.MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-C145

OBSERVATIONS

Larynx		Pigmentation	Mild
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Minimal
	Lamina Propria, Respirat Epith	Inflammation	Minimal
	Olfactory Epi	Inflammation	Mild
	Olfactory Epi	Metaplasia	Mild
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 156

TRT#: 9

SEX: Male

DAY ON TEST: 95

DOSE: 10.MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-C156

OBSERVATIONS

Larynx		Pigmentation	Moderate
Liver		Necrosis	Multifocal, Minimal
		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Moderate
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 159

TRT#: 9

SEX: Male

DAY ON TEST: 94

DOSE: 10.MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-C159

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

OBSERVATIONS

Larynx		Pigmentation	Moderate
Lung	Bronchiole	Pigmentation	Minimal
Nose	Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Moderate
	Olfactory Epi	Metaplasia	Mild
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
Trachea	Respirat Epith	Pigmentation	Mild
		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 161

TRT#: 9

SEX: Male

DAY ON TEST: 95

DOSE: 10.MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-C161

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Larynx

Liver

OBSERVATIONS

Lung

Bronchiole

Pigmentation

Mild

Nose

Olfactory Epi

Hyperplasia

Minimal

Olfactory Epi

Inflammation

Mild

Olfactory Epi

Metaplasia

Minimal

Nasopharyn Dct

Pigmentation

Minimal

Olfactory Epi

Pigmentation

Moderate

Respirat Epith

Pigmentation

Mild

Trachea

Pigmentation

Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 168

TRT#: 9

SEX: Male

DAY ON TEST: 95

DOSE: 10.MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-C168

OBSERVATIONS

Larynx		Pigmentation	Mild
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Mild
	Olfactory Epi	Metaplasia	Mild
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 170

TRT#: 9

SEX: Male

DAY ON TEST: 94

DOSE: 10.MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-C170

OBSERVATIONS

Larynx		Pigmentation	Mild
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Mild
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 172

TRT#: 9

SEX: Male

DAY ON TEST: 95

DOSE: 10.MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-C172

OBSERVATIONS

Larynx		Pigmentation	Moderate
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Mild
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 199

TRT#: 13

SEX: Male

DAY ON TEST: 94

DOSE: 30.MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-D199

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Degeneration	Focal, Minimal
Larynx		Pigmentation	Moderate
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Lamina Propria, Respirat Epith	Inflammation	Mild
	Olfactory Epi	Inflammation	Moderate
	Respirat Epith	Inflammation	Mild
	Olfactory Epi	Metaplasia	Mild
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Preputial Gland		Inflammation	Minimal
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 201

TRT#: 13

SEX: Male

DAY ON TEST: 95

DOSE: 30.MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-D201

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

MISSING

Lymph Node - Bronchial

OBSERVATIONS

Heart		Degeneration	Focal, Minimal
Larynx		Pigmentation	Moderate
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Moderate
	Respirat Epith	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Preputial Gland		Inflammation	Mild
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 208

TRT#: 13

SEX: Male

DAY ON TEST: 94

DOSE: 30.MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-D208

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Pancreas
Seminal Vesicle
Stomach - Forestomach
Thyroid Gland

Adrenal Gland - Medulla
Epididymis
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mediastinal
Pituitary Gland
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Bone
Esophagus
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Prostate
Skin
Testes

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Bronchial
Mammary Gland
Salivary Glands
Spleen
Thymus

MISSING

Parathyroid Gland

OBSERVATIONS

Heart		Degeneration	Focal, Minimal
Larynx		Pigmentation	Moderate
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Marked
	Olfactory Epi	Metaplasia	Mild
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Preputial Gland		Inflammation	Mild
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 216

TRT#: 13

SEX: Male

DAY ON TEST: 95

DOSE: 30.MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-D216

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Degeneration	Focal, Minimal
Larynx		Pigmentation	Moderate
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Moderate
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Preputial Gland		Inflammation	Minimal
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 220

TRT#: 13

SEX: Male

DAY ON TEST: 95

DOSE: 30.MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-D220

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Degeneration	Focal, Minimal
Larynx		Pigmentation	Moderate
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Moderate
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 221

TRT#: 13

SEX: Male

DAY ON TEST: 94

DOSE: 30.MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-D221

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Degeneration	Focal, Minimal
Larynx		Pigmentation	Moderate
Liver	Bile Duct	Inflammation	Minimal
		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Moderate
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:45

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 222

TRT#: 13

SEX: Male

DAY ON TEST: 94

DOSE: 30.MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-D222

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Degeneration	Focal, Minimal
Larynx		Pigmentation	Moderate
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Moderate
	Olfactory Epi	Inflammation	Moderate
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 230

TRT#: 13

SEX: Male

DAY ON TEST: 95

DOSE: 30.MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-D230

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Degeneration	Focal, Minimal
Larynx		Pigmentation	Mild
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Moderate
	Respirat Epith	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Preputial Gland		Inflammation	Minimal
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 235

TRT#: 13

SEX: Male

DAY ON TEST: 94

DOSE: 30.MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-D235

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Degeneration	Focal, Mild
Larynx		Pigmentation	Mild
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Moderate
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Preputial Gland		Inflammation	Minimal
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 239

TRT#: 13

SEX: Male

DAY ON TEST: 95

DOSE: 30.MG/M3BASIC M

DISP: Terminal Sacrifice

HISTO: RZ133-D239

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

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

OBSERVATIONS

Heart		Degeneration	Focal, Minimal
Larynx		Pigmentation	Mild
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Moderate
	Olfactory Epi	Inflammation	Moderate
	Respirat Epith	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Mild
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 47

TRT#: 3

SEX: Female

DAY ON TEST: 95

DOSE: 0.0MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-A047

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Lung
Lymph Node - Mesenteric
Parathyroid Gland
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Kidney
Lymph Node - Bronchial
Mammary Gland
Pituitary Gland
Spleen
Thyroid Gland
Vagina

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Lymph Node - Mediastinal
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Clitoral Gland
Heart
Nose

Olfactory Epi

Inflammation
Degeneration
Necrosis

Minimal
Focal, Minimal
Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 49

TRT#: 3

SEX: Female

DAY ON TEST: 94

DOSE: 0.0MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-A049

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Larynx	Liver	Lung	Lymph Node - Bronchial
Lymph Node - Mandibular	Lymph Node - Mediastinal	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Trachea	Urinary Bladder	Uterus	Vagina

OBSERVATIONS

Nose	Olfactory Epi	Necrosis	Focal, Minimal
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PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 53

TRT#: 3

SEX: Female

DAY ON TEST: 95

DOSE: 0.0MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-A053

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Lymph Node - Mesenteric
Parathyroid Gland
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Bronchial
Mammary Gland
Pituitary Gland
Spleen
Thyroid Gland
Vagina

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

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Lymph Node - Mediastinal
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Heart
Liver
Nose

Bile Duct
Lamina Propria, Respirat Epith
Squam Epithel
Olfactory Epi

Degeneration
Inflammation
Inflammation
Inflammation
Necrosis

Focal, Minimal
Minimal
Minimal
Minimal
Focal, Minimal

Note: INFLAMMATION ASSOC WITH FOREIGN BODY FOOD MATERIAL

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 55

TRT#: 3

SEX: Female

DAY ON TEST: 94

DOSE: 0.0MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-A055

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lung
Ovary
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Bronchial
Pancreas
Skin
Thymus
Uterus

Bone
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Pituitary Gland
Spleen
Thyroid Gland
Vagina

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Liver
Mammary Gland
Salivary Glands
Stomach - Forestomach
Trachea

INSUFFICIENT TISSUE

Larynx

Lymph Node - Mandibular

Lymph Node - Mediastinal

Parathyroid Gland

OBSERVATIONS

Bone Marrow
Nose

Lamina Propria, Respirat Epith

Hyperplasia
Inflammation

Histiocytic, Multifocal, Moderate
Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 57

TRT#: 3

SEX: Female

DAY ON TEST: 95

DOSE: 0.0MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-A057

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Lung
Lymph Node - Mesenteric
Parathyroid Gland
Skin
Thymus
Uterus

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Kidney
Lymph Node - Bronchial
Mammary Gland
Pituitary Gland
Spleen
Thyroid Gland
Vagina

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Lymph Node - Mediastinal
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

OBSERVATIONS

Clitoral Gland
Heart
Nose

Lamina Propria, Respirat Epith

Inflammation
Degeneration
Inflammation

Minimal
Focal, Minimal
Moderate

Note: INFLAM AND FOCAL NECRO RESPIR EPI ASSOC WITH FOREIGN MATER

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 58

TRT#: 3

SEX: Female

DAY ON TEST: 94

DOSE: 0.0MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-A058

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Lymph Node - Mandibular
Nose
Salivary Glands
Stomach - Forestomach
Trachea

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Lymph Node - Mediastinal
Ovary
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lung
Lymph Node - Mesenteric
Pancreas
Skin
Thymus
Uterus

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Bronchial
Mammary Gland
Pituitary Gland
Spleen
Thyroid Gland
Vagina

MISSING

Parathyroid Gland

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 59

TRT#: 3

SEX: Female

DAY ON TEST: 95

DOSE: 0.0MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-A059

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Lymph Node - Mandibular
Ovary
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Lymph Node - Mediastinal
Pancreas
Skin
Thymus
Uterus

Bone
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lung
Lymph Node - Mesenteric
Pituitary Gland
Spleen
Thyroid Gland
Vagina

Bone Marrow
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Bronchial
Mammary Gland
Salivary Glands
Stomach - Forestomach
Trachea

INSUFFICIENT TISSUE

Parathyroid Gland

OBSERVATIONS

Nose Lamina Propria, Respirat Epith Inflammation Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 60

TRT#: 3

SEX: Female

DAY ON TEST: 95

DOSE: 0.0MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-A060

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Rectum
Islets, Pancreatic
Lung
Lymph Node - Mesenteric
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Small - Duodenum
Kidney
Lymph Node - Bronchial
Mammary Gland
Parathyroid Gland
Skin
Thymus
Uterus

Bone
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Lymph Node - Mandibular
Nose
Pituitary Gland
Spleen
Thyroid Gland
Vagina

Bone Marrow
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Lymph Node - Mediastinal
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

OBSERVATIONS

Clitoral Gland
Heart

Inflammation
Degeneration

Minimal
Focal, Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 61

TRT#: 3

SEX: Female

DAY ON TEST: 94

DOSE: 0.0MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-A061

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Lymph Node - Mediastinal
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Clitoral Gland
Intestine Large - Rectum
Islets, Pancreatic
Lung
Lymph Node - Mesenteric
Parathyroid Gland
Skin
Thymus
Uterus

Bone
Esophagus
Intestine Small - Duodenum
Kidney
Lymph Node - Bronchial
Mammary Gland
Pituitary Gland
Spleen
Thyroid Gland
Vagina

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

OBSERVATIONS

Heart
Nose

Lamina Propria, Respirat Epith

Degeneration
Inflammation

Focal, Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 62

TRT#: 3

SEX: Female

DAY ON TEST: 94

DOSE: 0.0MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-A062

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Brain
Intestine Large - Colon
Intestine Small - Jejunum
Liver
Lymph Node - Mediastinal
Pancreas
Skeletal Muscle
Stomach - Glandular
Urinary Bladder

Adrenal Gland - Medulla
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lung
Lymph Node - Mesenteric
Parathyroid Gland
Skin
Thymus
Uterus

Bone
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Bronchial
Mammary Gland
Pituitary Gland
Spleen
Thyroid Gland
Vagina

Bone Marrow
Intestine Large - Cecum
Intestine Small - Ileum
Larynx
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Trachea

OBSERVATIONS

Clitoral Gland
Nose

Lamina Propria, Respirat Epith
Olfactory Epi

Inflammation
Inflammation
Necrosis

Minimal
Mild
Focal, Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 112

TRT#: 7

SEX: Female

DAY ON TEST: 94

DOSE: 3.0MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-B112

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Liver

OBSERVATIONS

Larynx		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Minimal
Nose	Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Minimal
	Squam Epithel	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Minimal
	Olfactory Epi	Pigmentation	Mild
	Respirat Epith	Pigmentation	Mild
Note: SQUAM EPI INFLAM NOT ASSOC WITH PIGMENT			
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 116

TRT#: 7

SEX: Female

DAY ON TEST: 95

DOSE: 3.0MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-B116

OBSERVATIONS

Larynx		Pigmentation	Mild
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Minimal
	Lamina Propria, Respirat Epith	Inflammation	Mild
	Olfactory Epi	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Mild
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Mild
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 117

TRT#: 7

SEX: Female

DAY ON TEST: 94

DOSE: 3.0MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-B117

OBSERVATIONS

Larynx		Pigmentation	Mild
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Minimal
Nose	Olfactory Epi	Hyperplasia	Minimal
	Lamina Propria, Respirat Epith	Inflammation	Minimal
	Olfactory Epi	Inflammation	Minimal
	Olfactory Epi	Pigmentation	Mild
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 118

TRT#: 7

SEX: Female

DAY ON TEST: 95

DOSE: 3.0MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-B118

OBSERVATIONS

Larynx		Pigmentation	Minimal
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Minimal
Nose	Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Mild
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Mild
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 119

TRT#: 7

SEX: Female

DAY ON TEST: 94

DOSE: 3.0MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-B119

OBSERVATIONS

Larynx		Pigmentation	Mild
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Minimal
Nose	Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Mild
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Mild
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 122

TRT#: 7

SEX: Female

DAY ON TEST: 95

DOSE: 3.0MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-B122

OBSERVATIONS

Larynx		Pigmentation	Mild
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Minimal
Lymph Node	Mandibular	Congestion	Minimal
Note: [CONGESTION] TGLs = 1-10			
Nose	Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Mild
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 123

TRT#: 7

SEX: Female

DAY ON TEST: 94

DOSE: 3.0MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-B123

OBSERVATIONS

Larynx		Pigmentation	Minimal
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Minimal
Nose	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Mild
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 125

TRT#: 7

SEX: Female

DAY ON TEST: 95

DOSE: 3.0MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-B125

OBSERVATIONS

Larynx		Pigmentation	Mild
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Minimal
Nose	Olfactory Epi	Hyperplasia	Minimal
	Lamina Propria, Respirat Epith	Inflammation	Mild
	Olfactory Epi	Inflammation	Minimal
	Olfactory Epi	Pigmentation	Mild
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 128

TRT#: 7

SEX: Female

DAY ON TEST: 94

DOSE: 3.0MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-B128

OBSERVATIONS

Larynx		Pigmentation	Mild
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Minimal
Nose	Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Mild
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Mild
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 130

TRT#: 7

SEX: Female

DAY ON TEST: 95

DOSE: 3.0MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-B130

OBSERVATIONS

Larynx		Pigmentation	Mild
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Minimal
Nose	Olfactory Epi	Hyperplasia	Minimal
	Lamina Propria, Respirat Epith	Inflammation	Minimal
	Olfactory Epi	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Minimal
	Olfactory Epi	Pigmentation	Mild
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 177

TRT#: 11

SEX: Female

DAY ON TEST: 95

DOSE: 10.MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-C177

OBSERVATIONS

Larynx		Pigmentation	Mild
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Minimal
Nose	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Mild
	Olfactory Epi	Metaplasia	Mild
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 178

TRT#: 11

SEX: Female

DAY ON TEST: 95

DOSE: 10.MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-C178

OBSERVATIONS

Larynx		Pigmentation	Moderate
Liver	Bile Duct	Inflammation	Minimal
		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Minimal
Nose	Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Mild
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 180

TRT#: 11

SEX: Female

DAY ON TEST: 94

DOSE: 10.MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-C180

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Larynx

OBSERVATIONS

Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Mild
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Moderate
Trachea	Respirat Epith	Pigmentation	Mild
		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 181

TRT#: 11

SEX: Female

DAY ON TEST: 94

DOSE: 10.MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-C181

OBSERVATIONS

Larynx		Pigmentation	Mild
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Lymph Node	Mandibular	Congestion	Minimal
Note: [CONGESTION] TGLs = 1-10			
Nose	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Mild
	Respirat Epith	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Mild
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 186

TRT#: 11

SEX: Female

DAY ON TEST: 95

DOSE: 10.MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-C186

OBSERVATIONS

Larynx		Pigmentation	Mild
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Mild
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 190

TRT#: 11

SEX: Female

DAY ON TEST: 95

DOSE: 10.MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-C190

OBSERVATIONS

Larynx		Pigmentation	Minimal
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Minimal
	Lamina Propria, Respirat Epith	Inflammation	Minimal
	Olfactory Epi	Inflammation	Mild
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 192

TRT#: 11

SEX: Female

DAY ON TEST: 94

DOSE: 10.MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-C192

OBSERVATIONS

Larynx		Pigmentation	Moderate
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Minimal
Nose	Olfactory Epi	Hyperplasia	Mild
	Lamina Propria, Respirat Epith	Inflammation	Mild
	Olfactory Epi	Inflammation	Mild
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 193

TRT#: 11

SEX: Female

DAY ON TEST: 94

DOSE: 10.MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-C193

OBSERVATIONS

Larynx		Pigmentation	Mild
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Lamina Propria, Respirat Epith	Inflammation	Minimal
	Olfactory Epi	Inflammation	Moderate
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 194

TRT#: 11

SEX: Female

DAY ON TEST: 95

DOSE: 10.MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-C194

OBSERVATIONS

Larynx		Pigmentation	Moderate
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Moderate
	Squam Epithel	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Note: SQUAM EPI INFLAM NOT ASSOC WITH PIGMENT			
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 195

TRT#: 11

SEX: Female

DAY ON TEST: 94

DOSE: 10.MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-C195

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Larynx

OBSERVATIONS

Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Minimal
Nose	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Mild
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 243

TRT#: 15

SEX: Female

DAY ON TEST: 95

DOSE: 30.MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-D243

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Bone	Brain	Esophagus
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mediastinal	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Urinary Bladder	Uterus	Vagina

OBSERVATIONS

Adrenal Gland	Medulla	Hyperplasia	Minimal
Bone Marrow		Hyperplasia	Histiocytic, Multifocal, Moderate
Clitoral Gland		Inflammation	Minimal
Heart		Degeneration	Focal, Minimal
Larynx		Pigmentation	Moderate
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Lamina Propria, Respirat Epith	Inflammation	Moderate
	Olfactory Epi	Inflammation	Moderate
	Squam Epithel	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Minimal
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Note: SQUAM EPI INFLAM ASSOC WITH FOREIGN BODY FOOD			
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 244

TRT#: 15

SEX: Female

DAY ON TEST: 94

DOSE: 30.MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-D244

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Bronchial
Lymph Node - Mandibular	Lymph Node - Mediastinal	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Urinary Bladder	Uterus	Vagina	

OBSERVATIONS

Heart		Degeneration	Focal, Minimal
Larynx		Pigmentation	Mild
Liver		Pigmentation	Minimal
Note: ALTHO MINIMAL, PIGMENT IS GREATER THAN OTHERS			
Lung	Interstitialium	Inflammation	Minimal
	Bronchiole	Pigmentation	Mild
Note: INFLAMMATION NOT RELATED TO PIGMENT			
Nose	Olfactory Epi	Hyperplasia	Moderate
	Lamina Propria, Respirat Epith	Inflammation	Minimal
	Olfactory Epi	Inflammation	Marked
	Olfactory Epi	Metaplasia	Mild
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 247

TRT#: 15

SEX: Female

DAY ON TEST: 94

DOSE: 30.MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-D247

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Larynx
Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Urinary Bladder	Uterus	Vagina	

MISSING

Lymph Node - Mediastinal

OBSERVATIONS

Heart		Degeneration	Focal, Minimal
Liver		Pigmentation	Mild
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Moderate
	Squam Epithel	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Mild
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Note: SQUAM EPI INFLAM NOT PIGMENT RELATED			
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 248

TRT#: 15

SEX: Female

DAY ON TEST: 95

DOSE: 30.MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-D248

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Larynx	Lymph Node - Bronchial
Lymph Node - Mandibular	Lymph Node - Mediastinal	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pancreas	Pituitary Gland	Salivary Glands
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Urinary Bladder
Uterus	Vagina		

MISSING

Parathyroid Gland

OBSERVATIONS

Clitoral Gland		Inflammation	Mild
Heart		Degeneration	Focal, Minimal
Liver		Pigmentation	Mild
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Moderate
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 249

TRT#: 15

SEX: Female

DAY ON TEST: 94

DOSE: 30.MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-D249

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Clitoral Gland	Esophagus	Heart
Intestine Large - Cecum	Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum
Intestine Small - Ileum	Intestine Small - Jejunum	Islets, Pancreatic	Kidney
Lymph Node - Bronchial	Lymph Node - Mandibular	Lymph Node - Mediastinal	Lymph Node - Mesenteric
Mammary Gland	Ovary	Pancreas	Parathyroid Gland
Pituitary Gland	Salivary Glands	Skeletal Muscle	Skin
Spleen	Stomach - Forestomach	Stomach - Glandular	Thymus
Thyroid Gland	Urinary Bladder	Uterus	Vagina

OBSERVATIONS

Larynx		Pigmentation	Moderate
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Minimal
	Lamina Propria, Respirat Epith	Inflammation	Moderate
	Olfactory Epi	Inflammation	Marked
	Olfactory Epi	Metaplasia	Mild
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Note: SOME OF RESP EPI INFLAM ASSOC WITH FOREIGN MATERIAL FOOD			
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 250

TRT#: 15

SEX: Female

DAY ON TEST: 95

DOSE: 30.MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-D250

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Bronchial	Lymph Node - Mandibular
Lymph Node - Mediastinal	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Urinary Bladder
Uterus	Vagina		

OBSERVATIONS

Clitoral Gland		Inflammation	Minimal
Heart		Degeneration	Focal, Minimal
Larynx		Pigmentation	Minimal
Liver		Necrosis	Multifocal, Minimal
		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Lamina Propria, Respirat Epith	Inflammation	Mild
	Olfactory Epi	Inflammation	Moderate
	Respirat Epith	Inflammation	Mild
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 251

TRT#: 15

SEX: Female

DAY ON TEST: 94

DOSE: 30.MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-D251

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex
Esophagus
Intestine Large - Rectum
Islets, Pancreatic
Lymph Node - Mediastinal
Pancreas
Skeletal Muscle
Stomach - Glandular
Uterus

Adrenal Gland - Medulla
Heart
Intestine Small - Duodenum
Kidney
Lymph Node - Mesenteric
Parathyroid Gland
Skin
Thymus
Vagina

Brain
Intestine Large - Cecum
Intestine Small - Ileum
Lymph Node - Bronchial
Mammary Gland
Pituitary Gland
Spleen
Thyroid Gland

Clitoral Gland
Intestine Large - Colon
Intestine Small - Jejunum
Lymph Node - Mandibular
Ovary
Salivary Glands
Stomach - Forestomach
Urinary Bladder

MISSING

Bone Bone Marrow

OBSERVATIONS

Larynx		Pigmentation	Mild
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Lamina Propria, Respirat Epith	Inflammation	Mild
	Olfactory Epi	Inflammation	Moderate
	Respirat Epith	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Minimal
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 252

TRT#: 15

SEX: Female

DAY ON TEST: 95

DOSE: 30.MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-D252

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Bronchial
Lymph Node - Mandibular	Mammary Gland	Ovary	Pancreas
Parathyroid Gland	Pituitary Gland	Salivary Glands	Skeletal Muscle
Skin	Spleen	Stomach - Forestomach	Stomach - Glandular
Thymus	Thyroid Gland	Urinary Bladder	Uterus
Vagina			

INSUFFICIENT TISSUE

Lymph Node - Mediastinal

OBSERVATIONS

Clitoral Gland		Inflammation	Minimal
Larynx		Pigmentation	Minimal
Liver		Pigmentation	Mild
Lung	Bronchiole	Pigmentation	Mild
Lymph Node	Mesenteric	Hyperplasia	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Lamina Propria, Respirat Epith	Inflammation	Moderate
	Olfactory Epi	Inflammation	Moderate
	Olfactory Epi	Metaplasia	Mild
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 255

TRT#: 15

SEX: Female

DAY ON TEST: 95

DOSE: 30.MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-D255

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Heart	Intestine Large - Cecum
Intestine Large - Colon	Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum
Intestine Small - Jejunum	Islets, Pancreatic	Kidney	Lymph Node - Bronchial
Lymph Node - Mandibular	Lymph Node - Mediastinal	Lymph Node - Mesenteric	Mammary Gland
Ovary	Pancreas	Parathyroid Gland	Pituitary Gland
Salivary Glands	Skeletal Muscle	Skin	Spleen
Stomach - Forestomach	Stomach - Glandular	Thymus	Thyroid Gland
Urinary Bladder	Uterus	Vagina	

OBSERVATIONS

Clitoral Gland		Inflammation	Minimal
Larynx		Pigmentation	Mild
Liver	Bile Duct	Inflammation	Minimal
		Pigmentation	Mild
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Respirat Epith	Hyperplasia	Minimal
	Olfactory Epi	Inflammation	Moderate
	Respirat Epith	Inflammation	Minimal
	Olfactory Epi	Metaplasia	Mild
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Moderate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05218-03

Test Type: 90-DAY

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Ferrocene

CAS Number: 102-54-5

Date Report Requested: 10/22/2014

Time Report Requested: 06:48:46

First Dose M/F: NA / NA

Lab: LITRI

ANIMAL ID: 257

TRT#: 15

SEX: Female

DAY ON TEST: 94

DOSE: 30.MG/M3BASIC F

DISP: Terminal Sacrifice

HISTO: RZ133-D257

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Adrenal Gland - Cortex	Adrenal Gland - Medulla	Bone	Bone Marrow
Brain	Esophagus	Intestine Large - Cecum	Intestine Large - Colon
Intestine Large - Rectum	Intestine Small - Duodenum	Intestine Small - Ileum	Intestine Small - Jejunum
Islets, Pancreatic	Kidney	Lymph Node - Bronchial	Lymph Node - Mandibular
Lymph Node - Mediastinal	Lymph Node - Mesenteric	Mammary Gland	Ovary
Pancreas	Parathyroid Gland	Pituitary Gland	Salivary Glands
Skeletal Muscle	Skin	Spleen	Stomach - Forestomach
Stomach - Glandular	Thymus	Thyroid Gland	Urinary Bladder
Uterus	Vagina		

OBSERVATIONS

Clitoral Gland		Inflammation	Minimal
Heart		Degeneration	Focal, Minimal
Larynx		Pigmentation	Mild
Liver		Pigmentation	Minimal
Lung	Bronchiole	Pigmentation	Mild
Nose	Olfactory Epi	Hyperplasia	Mild
	Olfactory Epi	Inflammation	Moderate
	Olfactory Epi	Metaplasia	Mild
	Nasopharyn Dct	Pigmentation	Mild
	Olfactory Epi	Pigmentation	Moderate
	Respirat Epith	Pigmentation	Mild
Trachea		Pigmentation	Mild

PRIMARY CAUSE OF DEATH

-

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE