

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:20

First Dose M/F: NA / NA

Lab: BAT

C Number: C61494B
Lock Date: 01/24/1992
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: 04/02/1992

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 1	TRT#: 1	SEX: Male	DAY ON TEST: 726
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 8900511

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Salivary Glands
* Seminal Vesicle	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
* Brain		Compression	Moderate
* Heart		Degeneration	Chronic, Moderate
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1]			
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 1-12]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 2-10]			
[Hyperplasia TGLS = 2-10]			

PRIMARY CAUSE OF DEATH -

Animal Note: COD, PITUITARY MASS, AND NEPHROPATHY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 650
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 8900512

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Nose	* Pancreas
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Degeneration	Chronic, Minimal
	Atrium	Thrombosis	
* Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 5-1]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 6-6]			
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 7-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 2	TRT#: 1	SEX: Male	DAY ON TEST: 650
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 8900512

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Mild
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PRIMARY CAUSE OF DEATH

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Animal Note: HAIR FOLLICLES IN SOA-NM ARE DILATED

Animal Note: COD, MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 3	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Scheduled Sacrifice	DAY ON TEST: 456 HISTO: 8900513
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Mammary Gland
* Nose	* Pancreas	* Parathyroid Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Inflammation	Chronic Active, Minimal
* Lymph Node, Mesenteric		Angiectasis	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 4	TRT#: 1	SEX: Male	DAY ON TEST: 533
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900514

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Heart	* Islets, Pancreatic	* Liver	* Lung
* Nose	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Brain		Compression	Mild
		Hydrocephalus	Mild
* Kidney		Nephropathy	Chronic, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-7]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

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Animal Note: MORIBUND SAC DUE TO PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 5	TRT#: 1	SEX: Male	DAY ON TEST: 603
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900515

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Islets, Pancreatic	* Nose	* Pancreas	Peripheral Nerve
* Salivary Glands	* Seminal Vesicle	* Skin	Spinal Cord
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow	Femoral	Leukemia Mononuclear	
* Heart		Degeneration	Chronic, Mild
	Atrium	Leukemia Mononuclear	
* Kidney		Thrombosis	
* Liver	Bile Duct	Nephropathy	Chronic, Marked
		Hyperplasia	Marked
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Ulcer	Moderate
[Ulcer TGLS = 4-6,4-12]			
* Stomach, Glandular		Ulcer	Mild
[Ulcer TGLS = 4-6,4-12]			
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Degeneration	Mild
[Adenoma TGLS = 1-10]			
[Degeneration TGLS = 2-10]			
* Thymus		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 5

TRT#: 1

SEX: Male

DAY ON TEST: 603

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900515

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

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Animal Note: MORIBUND SAC DUE TO NEPHROPATHY AND LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 513
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900516

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Heart	* Islets, Pancreatic	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow	Femoral	Histiocytic Sarcoma	
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLS = 4-4,4-12]		
* Lung		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLS = 6-2,6-3]		
Lymph Node	Mediastinal	Histiocytic Sarcoma	
	Renal	Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLS = 3-13,5-2]		
	[Histiocytic Sarcoma TGLS = 3-13,5-2]		
* Mammary Gland		Histiocytic Sarcoma	
		Hyperplasia	Cystic, Mild
	[Histiocytic Sarcoma TGLS = 7-15]		
Mesentery	Fat	Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLS = 2-16]		
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	SOA-Mass, Subcut Tiss	Histiocytic Sarcoma	
	SOA-No Mass, Subcut Tiss	Histiocytic Sarcoma	
		Histiocytic Sarcoma	
		Hyperkeratosis	Marked
	[Histiocytic Sarcoma TGLS = 8-17]		
	[Histiocytic Sarcoma TGLS = 9-14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 6	TRT#: 1	SEX: Male	DAY ON TEST: 513
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900516

ORGAN AND ACCOUNTABLE SITE STATUS

[Histiocytic Sarcoma TGLS = 8-17,9-14]			
[Hyperkeratosis TGLS = 10-18]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH -
Animal Note: MORIBUND SAC DUE TO SKIN TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 7	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Scheduled Sacrifice	DAY ON TEST: 456 HISTO: 8900517
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Note: TGL1-12, NODULE NOT APPARENT ON MICRO [Hepatodiaphragmatic Nodule TGLS = 2-12]			
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Spleen		Fibrosis	Mild
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 8	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 8900518
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Mammary Gland	* Nose
* Pancreas	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 1-1]			
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Inflammation	Chronic Active, Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH	-
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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 9	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Moribund Sacrifice	DAY ON TEST: 606 HISTO: 8900519
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Liver	* Lung
* Nose	* Pancreas	* Preputial Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Lymph Node, Mandibular		Hyperplasia	Lymphoid, Marked
[Hyperplasia TGLS = 1-12]			
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 4-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
Zymbal's Gland		Carcinoma	

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SAC DUE TO SKIN MASS ON NECK

Animal Note: TGL5,SKIN TUMOR PROBABLY STARTED IN ZYMBALS GLD.

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900520

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow	Femoral	Leukemia Mononuclear	
Eye	Retina	Atrophy	Moderate
	Lens	Cataract	Moderate
	[Cataract TGLS = 1-16]		
* Heart		Degeneration	Chronic, Moderate
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 8-1]		
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
	[Leukemia Mononuclear TGLS = 4-4]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Inflammation	Chronic Active, Moderate
	[Inflammation TGLS = 6-15]		
* Parathyroid Gland		Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Prostate		Inflammation	Chronic Active, Moderate
* Skin	SOA-Mass	Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLS = 9-12]		
* Spleen		Fibrosis	Moderate
	[Fibrosis TGLS = 2-13]	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 10	TRT#: 1 DOSE: 0 MG/KG	SEX: Male DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 8900520
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ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Degeneration TGLS = 5-10]	Bilateral, Interstit Cell Germinal Epith	Adenoma Degeneration	Moderate
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PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 653

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900521

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Bone Marrow	Femoral	Leukemia Mononuclear	
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7]			
* Pancreas	Acinus	Atrophy	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 6-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Stomach, Forestomach		Ulcer	Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tongue		Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 4-13]			
Tooth	Gingiva	Squamous Cell Carcinoma	
[Squamous Cell Carcinoma TGLS = 5-14]			

PRIMARY CAUSE OF DEATH

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* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 11

TRT#: 1

SEX: Male

DAY ON TEST: 653

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900521

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 12

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900522

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Minimal
		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Compression	Mild
		Hydrocephalus	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1]			
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 13

TRT#: 1

SEX: Male

DAY ON TEST: 606

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900523

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Islets, Pancreatic	* Lung	* Pancreas	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Compression	Mild
		Hydrocephalus	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-1]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 1-13]			
* Nose	Sinus	Foreign Body	Moderate
	Mucosa	Inflammation	Chronic Active, Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-7]			
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 2-12]			

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO PITUITARY TUMOR AND LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 14

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900524

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Islets, Pancreatic	* Lung	* Pancreas	* Prostate
* Salivary Glands	* Seminal Vesicle	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Compression	Mild
* Heart		Degeneration	Chronic, Minimal
* Intestine Small, Jejunum		Adenoma	
[Adenoma TGLS = 5-13]			
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1]			
* Liver	Bile Duct	Basophilic Focus	
		Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Nose	Sinus	Foreign Body	Mild
	Mucosa	Inflammation	Chronic Active, Moderate
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	Pars Distalis	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Skin		Acanthosis	Moderate
[Acanthosis TGLS = 1-12]			
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 14	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 8900524

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
PRIMARY CAUSE OF DEATH	-		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 15

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900525

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Brain	* Epididymis	* Esophagus	* Islets, Pancreatic
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 1-12]			
* Lung	Alveolar Epith	Hyperplasia	Mild
* Nose	Submucosa	Inflammation	Acute, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 16

TRT#: 1

SEX: Male

DAY ON TEST: 606

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900526

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Heart	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	Peripheral Nerve	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	Spinal Cord	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	Mild
		Hydrocephalus	Mild
* Kidney		Nephropathy	Chronic, Marked
* Liver		Inflammation	Granulomatous, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Stomach, Forestomach		Acanthosis	Moderate
		Inflammation	Chronic Active, Moderate
* Testes	Germinal Epith	Degeneration	Mild
[Degeneration TGLS = 1-10]			

PRIMARY CAUSE OF DEATH -

Animal Note: SLIDE #13 OF SPINAL CORD HAS AN ARTIFACT

Animal Note: MORIBUND SAC DUE TO PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900527

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia Vacuolization Cytoplasmic	Mild Mild
* Heart		Degeneration	Chronic, Moderate
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-1]			
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Mammary Gland		Adenoma	
		Hyperplasia	Cystic, Moderate
[Adenoma TGLS = 1-12]			
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-7]			
* Prostate		Inflammation	Chronic Active, Mild
* Stomach, Forestomach		Acanthosis	Moderate
[Acanthosis TGLS = 6-13]			
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
[Adenoma TGLS = 2-10]			
[Degeneration TGLS = 3-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 17

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900527

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL1-12, IS MAMMARY GLAND, NOT PREPUTIAL GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 556

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900528

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Nose	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
	Bilateral	Pheochromocytoma Benign	
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4]		
* Lung		Inflammation	Chronic Active, Mild
	[Inflammation TGLS = 4-13]		
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2,2-7]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-2,2-7]		
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Hemorrhage	Mild
	[Hemorrhage TGLS = 5-14]		
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Pigmentation	Hemosiderin, Minimal
	[Pigmentation TGLS = 6-15]		
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 18

TRT#: 1

SEX: Male

DAY ON TEST: 556

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900528

ORGAN AND ACCOUNTABLE SITE STATUS

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 647

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 8900529

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Salivary Glands
* Seminal Vesicle	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain		Compression	Moderate
		Hydrocephalus	Mild
* Heart		Degeneration	Chronic, Minimal
	Atrium	Thrombosis	
	[Thrombosis TGLS = 7-4]		
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 5-1]		
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-4]		
* Mammary Gland		Hyperplasia	Cystic, Moderate
	[Hyperplasia TGLS = 9-14]		
Mesentery	Fat	Inflammation	Chronic Active, Mild
	[Inflammation TGLS = 3-12]		
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 8-7]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-13]		
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
	[Adenoma TGLS = 1-10]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 19

TRT#: 1

SEX: Male

DAY ON TEST: 647

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 8900529

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 2-10]

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, MONONUCLEAR CELL LEUKEMIA AND PITUITARY MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 655

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900530

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Pancreas	* Salivary Glands
* Seminal Vesicle	* Skin	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 5-1]			
* Liver	Bile Duct	Hyperplasia	Moderate
[Leukemia Mononuclear TGLS = 4-4]		Leukemia Mononuclear	
* Lymph Node, Mandibular		Hemangiosarcoma	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Mild
Pharynx	Palate	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 7-15]			
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 2-12]			
[Leukemia Mononuclear TGLS = 1-13]			
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
[Degeneration TGLS = 3-10]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 20

TRT#: 1

SEX: Male

DAY ON TEST: 655

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900530

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

Animal Note: AND SQUAMOUS PAPILLOMA ON PALATE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 21

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900531

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Mammary Gland	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Hepatodiaphragmatic Nodule TGLS = 1-12]			
* Lung	Alveolar Epith	Hyperplasia	Focal, Mild
Lymph Node	Pancreatic	Angiectasis	Moderate
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
* Thymus		Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 22	TRT#: 1	SEX: Male	DAY ON TEST: 691
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900532

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Islets, Pancreatic	* Lung
* Nose	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1]			
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-12]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Stomach, Forestomach		Acanthosis	Moderate
		Ulcer	Mild
[Acanthosis TGLS = 5-13]			
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Degeneration	Mild
[Adenoma TGLS = 1-10]			
[Degeneration TGLS = 4-10]			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SAC DUE TO NEPHROPATHY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 23

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900533

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
Ear		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-13]			
* Heart		Degeneration	Chronic, Moderate
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 5-1]			
* Liver	Bile Duct	Hyperplasia	Moderate
[Leukemia Mononuclear TGLS = 6-4]		Leukemia Mononuclear	
* Mammary Gland		Fibroma	
[Fibroma TGLS = 1-12]		Hyperplasia	Cystic, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Prostate		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Inflammation	Chronic Active, Mild
* Skin	Control	Acanthosis	Moderate
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 4-14]		Leukemia Mononuclear	
* Stomach, Glandular		Ulcer	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 24	TRT#: 1	SEX: Male	DAY ON TEST: 456
	DOSE: 0 MG/KG	DISP: Scheduled Sacrifice	HISTO: 8900534

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Liver	* Lung
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Degeneration	Chronic, Minimal
* Kidney	Cortex, Renal Tubule	Mineralization	Mild
		Nephropathy	Chronic, Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Stomach, Forestomach		Squamous Cell Papilloma	
	[Squamous Cell Papilloma TGLS = 2-6]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
	[Adenoma TGLS = 1-10]		
* Thymus		Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900535

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Islets, Pancreatic	* Nose	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow	Femoral	Myelofibrosis	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Stomach, Glandular		Mineralization	Moderate
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
[Adenoma TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 25

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900535

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 26

TRT#: 1

SEX: Male

DAY ON TEST: 679

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900536

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

Eye	Retina	Atrophy	Marked
	Lens	Cataract	Moderate
	[Atrophy TGLS = 4-14]		
	[Cataract TGLS = 4-14]		
* Heart		Degeneration	Chronic, Moderate
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-1]		
* Liver		Basophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 1-13]		
* Skin	Control	Acanthosis	Moderate
* Stomach, Forestomach		Acanthosis	Moderate
	[Acanthosis TGLS = 5-12]		
* Testes	Interstitial Cell	Adenoma	
	[Adenoma TGLS = 2-10]		
* Thyroid Gland	C Cell	Adenoma	
	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: INFLAMMATION

Animal Note: MORIBUND SAC DUE TO NEPHROPATHY & PREPUTIAL

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27

TRT#: 1

SEX: Male

DAY ON TEST: 709

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 8900537

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Islets, Pancreatic	* Nose	* Pancreas	* Prostate
* Salivary Glands	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow	Femoral	Myelofibrosis	Marked
* Heart		Degeneration	Chronic, Moderate
		Mineralization	Moderate
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1]			
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Hepatodiaphragmatic Nodule TGLS = 3-13]			
[Inflammation TGLS = 4-4]			
* Lung		Inflammation	Chronic Active, Mild
		Mineralization	Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Mineralization	Moderate
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 5-12]			
* Stomach, Forestomach		Mineralization	Mild
* Stomach, Glandular		Mineralization	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 27	TRT#: 1	SEX: Male	DAY ON TEST: 709
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 8900537

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes [Adenoma TGLS = 1-10]	Bilateral, Interstit Cell	Adenoma
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PRIMARY CAUSE OF DEATH

-

Animal Note: COD, NEPHROPATHY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 28

TRT#: 1

SEX: Male

DAY ON TEST: 659

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900538

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Heart	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	Peripheral Nerve	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	Spinal Cord	* Spleen
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	Mild
		Hydrocephalus	Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1]			
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-7]			
* Prostate		Inflammation	Chronic Active, Mild
* Stomach, Glandular		Dysplasia	Mild
[Dysplasia TGLS = 5-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MASS

Animal Note: MORIBUND SAC DUE TO NEPHROPATHY & PITUITARY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 29

TRT#: 1

SEX: Male

DAY ON TEST: 456

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900539

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Parathyroid Gland	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Thyroid Gland
* Trachea	* Urinary Bladder		

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 30

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900540

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Heart		Degeneration	Chronic, Moderate
* Kidney		Nephropathy	Chronic, Marked
* Liver	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 31 TRT#: 1 SEX: Male DAY ON TEST: 653
DOSE: 0 MG/KG DISP: Moribund Sacrifice HISTO: 8900541

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1]			
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-13]			
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Stomach, Glandular		Ulcer	Moderate
[Ulcer TGLS = 5-12]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Mild
[Degeneration TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO NEPHROPATHY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 32	TRT#: 1	SEX: Male	DAY ON TEST: 406
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 8900542

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Heart	* Islets, Pancreatic	* Liver	* Lung
* Nose	* Pancreas	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Testes	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Brain		Compression	Moderate
		Hemorrhage	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Thymus		Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH -

Animal Note: COD, PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900543

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Pancreas
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 7-1]			
* Liver	Bile Duct	Hyperplasia	Mild
[Leukemia Mononuclear TGLS = 8-4]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Nose	Sinus	Foreign Body	Moderate
	Mucosa	Inflammation	Chronic Active, Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Hyperplasia	Moderate
[Adenoma TGLS = 9-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 4-14]			
[Leukemia Mononuclear TGLS = 1-12,3-13]			
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
[Adenoma TGLS = 5-10]			
[Degeneration TGLS = 6-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 33

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900543

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: TGL2-15IS ACCESSORY SPLEEN AS NOTED ON PEIS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 34

TRT#: 1

SEX: Male

DAY ON TEST: 632

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900544

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1]			
* Liver	Hepatocyte	Basophilic Focus	
		Vacuolization Cytoplasmic	Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-7]			
* Preputial Gland	Bilateral	Carcinoma	
[Carcinoma TGLS = 1-12]			
* Prostate		Inflammation	Chronic Active, Minimal
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO PREPUTIAL GLAND MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900545

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Salivary Glands	* Seminal Vesicle	* Spleen
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-1]			
* Liver		Basophilic Focus	
	Hepatocyte	Degeneration	Cystic, Mild
	Hepatocyte	Eosinophilic Focus	
		Vacuolization Cytoplasmic	Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Skin		Keratoacanthoma	
	Subcut Tiss	Neurofibroma	
[Keratoacanthoma TGLS = 1-13]			
[Neurofibroma TGLS = 3-15]			
* Stomach, Glandular		Dysplasia	Mild
[Dysplasia TGLS = 7-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
Zymbal's Gland		Carcinoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 35

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900545

ORGAN AND ACCOUNTABLE SITE STATUS

[Carcinoma TGLS = 5-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 36

TRT#: 1

SEX: Male

DAY ON TEST: 592

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900546

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Parathyroid Gland	Peripheral Nerve	* Preputial Gland	* Prostate
* Seminal Vesicle	* Skin	Spinal Cord	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone Marrow	Femoral	Leukemia Mononuclear	
* Heart		Degeneration	Chronic, Minimal
* Intestine Large, Cecum		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-18]			
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Marked
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 3-12]			
* Nose	Sinus	Foreign Body	Mild
	Mucosa	Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Moderate
		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Leukemia Mononuclear	
* Salivary Glands		Sarcoma	
[Sarcoma TGLS = 1-19]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 36	TRT#: 1	SEX: Male	DAY ON TEST: 592
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900546

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 2-17]		Leukemia Mononuclear	
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 689

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 8900547

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Islets, Pancreatic	* Nose	* Pancreas	* Salivary Glands
* Seminal Vesicle	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Hydrocephalus	Mild
* Heart		Degeneration	Chronic, Moderate
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1]			
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Skin	Control	Acanthosis	Minimal
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Mineralization	Mild
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
[Adenoma TGLS = 1-10]			
[Degeneration TGLS = 5-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 37

TRT#: 1

SEX: Male

DAY ON TEST: 689

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 8900547

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: COD, NEPHROPATHY, PITUITARY MASS, AND LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38

TRT#: 1

SEX: Male

DAY ON TEST: 716

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900548

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Salivary Glands
* Seminal Vesicle	* Spleen	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	Moderate
		Hydrocephalus	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-1]			
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Moderate
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Skin		Acanthosis	Moderate
		Squamous Cell Papilloma	
[Acanthosis TGLS = 5-12]			
[Squamous Cell Papilloma TGLS = 6-13]			
* Stomach, Forestomach		Ulcer	Mild
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
[Degeneration TGLS = 2-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 38	TRT#: 1	SEX: Male	DAY ON TEST: 716
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900548

ORGAN AND ACCOUNTABLE SITE STATUS

* Thyroid Gland	C Cell	Hyperplasia	Mild
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PRIMARY CAUSE OF DEATH

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Animal Note: MORIBUND SAC DUE TO PITUITARY MASS & NEPHROPATHY

Animal Note: TGL5-12, SLIDE 12 HAS HYPEROSTOSIS FROM TOE CLIP

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 39	TRT#: 1	SEX: Male	DAY ON TEST: 456
	DOSE: 0 MG/KG	DISP: Scheduled Sacrifice	HISTO: 8900549

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Parathyroid Gland	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Degeneration	Chronic, Mild
* Intestine Small, Jejunum		Inflammation	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Inflammation	Chronic Active, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Mammary Gland		Hyperplasia	Cystic, Mild
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 40

TRT#: 1

SEX: Male

DAY ON TEST: 714

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 8900550

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Compression	Mild
Ear		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-12]			
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-1]			
* Liver	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-7]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Prostate		Inflammation	Chronic Active, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
[Adenoma TGLS = 3-10]			
[Degeneration TGLS = 2-10]			

PRIMARY CAUSE OF DEATH -

Animal Note: COD, PITUITARY MASS AND NEPHROPATHY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 41	TRT#: 1	SEX: Male	DAY ON TEST: 549
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900551

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Islets, Pancreatic	* Nose	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow	Femoral	Leukemia Mononuclear Degeneration	Chronic, Mild
* Heart		Nephropathy	Chronic, Moderate
* Kidney		Hyperplasia	Marked
* Liver	Bile Duct	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-2]		
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Histiocytic Sarcoma	
	[Histiocytic Sarcoma TGLS = 2-13]		
	[Leukemia Mononuclear TGLS = 1-12]		
* Stomach, Glandular		Necrosis	Mild
* Testes	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 42

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900552

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Salivary Glands
* Seminal Vesicle	* Skin	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1]			
* Liver	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Sinus	Foreign Body	Mild
	Mucosa	Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Fibrosis	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 43

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900553

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

Ear		Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 1-12]			
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Artery	Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
[Adenoma TGLS = 4-7]			
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 44

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900554

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Salivary Glands	* Seminal Vesicle	* Skin
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-1]			
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 3-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 691

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900555

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Islets, Pancreatic	* Nose	* Pancreas	Peripheral Nerve
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	Spinal Cord	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow	Femoral	Myelofibrosis	Moderate
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-1]			
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]		Vacuolization Cytoplasmic	Mild
* Lung		Inflammation	Suppurative, Mild
[Inflammation TGLS = 5-3,6-17]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Parathyroid Gland		Hyperplasia	Marked
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 8-16]			
[Leukemia Mononuclear TGLS = 7-16]			
* Stomach, Forestomach		Ulcer	Moderate
[Ulcer TGLS = 9-6]			
* Stomach, Glandular		Mineralization	Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
[Adenoma TGLS = 2-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 45

TRT#: 1

SEX: Male

DAY ON TEST: 691

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900555

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 1-10]

* Thymus

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 46	TRT#: 1	SEX: Male	DAY ON TEST: 437
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900556

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Islets, Pancreatic	* Lung
* Nose	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver		Hematopoietic Cell Proliferation	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-12]		
* Preputial Gland		Carcinoma	
	[Carcinoma TGLS = 2-13]		
* Prostate		Inflammation	Chronic Active, Mild
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: TGL2-13, INGUINAL MASS IS PREPUTIAL TUMOR

Animal Note: MORIBUND SAC DUE TO PREPUTIAL GLAND TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 47	TRT#: 1	SEX: Male	DAY ON TEST: 709
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 8900557

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Minimal
Blood Vessel	Aorta	Mineralization	Marked
[Mineralization TGLS = 6-13]			
* Bone Marrow	Femoral	Myelofibrosis	Moderate
* Epididymis	Serosa	Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 5-15]			
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1]			
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Hepatocyte	Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-14]		Vacuolization Cytoplasmic	Marked
* Mammary Gland		Hyperplasia	Cystic, Moderate
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 1-12]			
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Cyst	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Stomach, Glandular		Mineralization	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
[Adenoma TGLS = 8-10]			
[Degeneration TGLS = 7-10]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 47

TRT#: 1

SEX: Male

DAY ON TEST: 709

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 8900557

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, MALIGNANT MESOTHELIOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 48 TRT#: 1 SEX: Male DAY ON TEST: 635
DOSE: 0 MG/KG DISP: Moribund Sacrifice HISTO: 8900558

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Epididymis	* Esophagus	* Islets, Pancreatic
* Lung	* Nose	* Parathyroid Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Bone	Maxilla	Osteosarcoma	
* Brain		Compression	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1]			
* Liver	Hepatocyte	Leukemia Mononuclear Vacuolization Cytoplasmic	Mild
[Leukemia Mononuclear TGLS = 2-4]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO NEPHROPATHY & LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 49	TRT#: 1	SEX: Male	DAY ON TEST: 551
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900559

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Islets, Pancreatic	* Pancreas	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Urinary Bladder

MISSING

* Esophagus	* Heart	* Lung	* Parathyroid Gland
* Thymus	* Thyroid Gland	* Trachea	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 1-1]			
* Liver		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 4-13]	Bile Duct	Hyperplasia	Mild
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Sinus	Foreign Body	Mild
	Mucosa	Inflammation	Chronic Active, Mild
* Preputial Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-10]			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SAC DUE TO NEPHROPATHY & LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 50

TRT#: 1

SEX: Male

DAY ON TEST: 612

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900560

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Islets, Pancreatic	* Nose	* Salivary Glands	* Seminal Vesicle
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow	Femoral	Leukemia Mononuclear	
* Heart	Atrium	Degeneration	Chronic, Mild
		Thrombosis	
		[Thrombosis TGLS = 6-4]	
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Eosinophilic Focus	
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Hepatodiaphragmatic Nodule TGLS = 5-13]	
		[Leukemia Mononuclear TGLS = 4-4]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Leukemia Mononuclear	
* Skin	SOA-No Mass	Acanthosis	Minimal
* Spleen		Hemangiosarcoma	
		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 50	TRT#: 1	SEX: Male	DAY ON TEST: 612
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900560

ORGAN AND ACCOUNTABLE SITE STATUS

[Hemangiosarcoma TGLS = 2-12]			
[Leukemia Mononuclear TGLS = 1-12]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Mild
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 3-10]			
[Hyperplasia TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 51	TRT#: 1	SEX: Male	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 8900561

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Salivary Glands	* Seminal Vesicle	* Skin
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1]			
* Liver		Clear Cell Focus	
* Mammary Gland		Fibroma	
[Fibroma TGLS = 3-12]		Hyperplasia	Cystic, Moderate
* Parathyroid Gland		Adenoma	
		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 5-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Fibrosis	Minimal
[Fibrosis TGLS = 4-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 52

TRT#: 1

SEX: Male

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900562

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1]			
* Liver	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Cystic, Marked
[Hyperplasia TGLS = 1-13]			
Mesentery	Artery	Inflammation	Chronic Active, Marked
[Inflammation TGLS = 5-15]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	Dermis, SOA-Mass	Fibrosis	Mild
	Dermis, SOA-Mass	Mineralization	Mild
[Fibrosis TGLS = 6-12]			
* Spleen		Fibrosis	Mild
[Fibrosis TGLS = 4-14]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL5-15, ENLARGED AREA IS BLOOD VESSEL, NOT

Animal Note: LYMPH NODE IN MESENTERY FAT

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 53

TRT#: 1

SEX: Male

DAY ON TEST: 634

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900563

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Nose	* Pancreas	* Prostate	* Salivary Glands
* Seminal Vesicle	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Bone Marrow	Femoral	Leukemia Mononuclear	
* Heart		Degeneration	Chronic, Mild
	Atrium	Thrombosis	
	[Thrombosis TGLS = 4-14]		
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1]		
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4]		
* Lung		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-2,5-3]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	Pars Distalis	Leukemia Mononuclear	
	[Hyperplasia TGLS = 6-7]		
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Skin	Dermis, SOA-Mass	Fibrosis	Marked
	Dermis, SOA-Mass	Mineralization	Mild
	[Fibrosis TGLS = 7-13]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 53	TRT#: 1	SEX: Male	DAY ON TEST: 634
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900563

ORGAN AND ACCOUNTABLE SITE STATUS

[Mineralization TGLS = 7-13]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 54	TRT#: 1	SEX: Male	DAY ON TEST: 585
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 8900564

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Islets, Pancreatic
* Nose	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow	Femoral	Leukemia Mononuclear	
* Brain		Compression	Mild
		Hydrocephalus	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-4]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-6]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-6]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 3-6]	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Intermed	Adenoma	
		[Adenoma TGLS = 2-7]	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
* Testes	Interstit Cell	Adenoma	
		[Adenoma TGLS = 4-10]	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 54

TRT#: 1

SEX: Male

DAY ON TEST: 585

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 8900564

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: COD, PITUITARY MASS AND LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 55	TRT#: 1	SEX: Male	DAY ON TEST: 648
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900565

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Thymus	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Fibroma	
		Hyperplasia	Cystic, Minimal
[Fibroma TGLS = 2-12]			
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	Multiple

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MAMMARY GLAND MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 56

TRT#: 1

SEX: Male

DAY ON TEST: 583

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 8900566

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Parathyroid Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 2-1]			
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
[Cyst TGLS = 4-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Skin	Lip, Sebaceous Gl	Carcinoma	
	Dermis, SOA-Mass	Fibrosis	Moderate
[Carcinoma TGLS = 6-14]			
[Fibrosis TGLS = 5-13]			
* Spleen		Histiocytic Sarcoma	
		Leukemia Mononuclear	
[Histiocytic Sarcoma TGLS = 3-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, SPLENIC SARCOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 57	TRT#: 1	SEX: Male	DAY ON TEST: 456
	DOSE: 0 MG/KG	DISP: Scheduled Sacrifice	HISTO: 8900567

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Degeneration	Chronic, Mild
* Kidney	Cortex	Cyst	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Testes	Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 1-10]			
* Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:20

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 58

TRT#: 1

SEX: Male

DAY ON TEST: 647

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900568

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Testes	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Brain		Compression	Marked
		Hydrocephalus	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1]			
* Liver	Bile Duct	Hyperplasia	Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 5-12]			
Mesentery		Lipoma	
[Lipoma TGLS = 6-13]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-7]			
* Prostate		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-14]			

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO PITUITARY TUMOR AND NEPHROPATHY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 59

TRT#: 1

SEX: Male

DAY ON TEST: 716

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 8900569

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Testes
* Thymus	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Hypertrophy	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Mild
	Atrium	Thrombosis	
	[Thrombosis TGLS = 3-14]		
* Kidney		Nephropathy	Chronic, Marked
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Leukemia Mononuclear	
	[Adenoma TGLS = 1-7]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Marked
* Skin		Acanthosis	Moderate
	[Acanthosis TGLS = 6-12]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-13]		
* Stomach, Glandular		Ulcer	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 59	TRT#: 1	SEX: Male	DAY ON TEST: 716
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 8900569

ORGAN AND ACCOUNTABLE SITE STATUS

[Ulcer TGLS = 7-15]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
Tooth	Peridont Tiss	Inflammation	Chronic Active, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 60	TRT#: 1	SEX: Male	DAY ON TEST: 564
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 8900570

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney	Transit Epithe	Carcinoma	
		Nephropathy	Chronic, Moderate
[Carcinoma TGLS = 2-12,2-13]			
* Liver	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Prostate	Epithelium	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH -

Animal Note: COD, KIDNEY MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 61

TRT#: 3

SEX: Male

DAY ON TEST: 564

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900871

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 62

TRT#: 3

SEX: Male

DAY ON TEST: 461

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900872

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 63

TRT#: 3

SEX: Male

DAY ON TEST: 579

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900873

OBSERVATIONS

* Skin

SOA-No Mass, Subcut Tiss

Histiocytic Sarcoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 64

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900874

OBSERVATIONS

* Skin

Control

Acanthosis

Mild

Control, Dermis

Inflammation

Chronic, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 65

TRT#: 3

SEX: Male

DAY ON TEST: 379

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900875

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 66

TRT#: 3

SEX: Male

DAY ON TEST: 541

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900876

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 67

TRT#: 3

SEX: Male

DAY ON TEST: 264

DOSE: .15 MG/KG

DISP: Natural Death

HISTO: 8900877

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 68

TRT#: 3

SEX: Male

DAY ON TEST: 710

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900878

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 69

TRT#: 3

SEX: Male

DAY ON TEST: 691

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900879

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 70

TRT#: 3

SEX: Male

DAY ON TEST: 457

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900880

OBSERVATIONS

* Skin

Acanthosis

Marked

Subcut Tiss

Fibrous Histiocytoma

[Fibrous Histiocytoma TGLS = 1-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 71

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900881

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 72

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900882

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 73

TRT#: 3

SEX: Male

DAY ON TEST: 698

DOSE: .15 MG/KG

DISP: Natural Death

HISTO: 8900883

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 74

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: .15 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900884

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 75

TRT#: 3

SEX: Male

DAY ON TEST: 638

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900885

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 76

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: .15 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900886

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 77

TRT#: 3

SEX: Male

DAY ON TEST: 612

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900887

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 78

TRT#: 3

SEX: Male

DAY ON TEST: 632

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900888

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 79

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: .15 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900889

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 80

TRT#: 3

SEX: Male

DAY ON TEST: 639

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900890

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 81

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900891

OBSERVATIONS

* Skin

Control

Acanthosis

Minimal

[Acanthosis TGLS = 1-13]

Acanthosis

Marked

[Acanthosis TGLS = 1-13]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 82

TRT#: 3

SEX: Male

DAY ON TEST: 591

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900892

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 83

TRT#: 3

SEX: Male

DAY ON TEST: 670

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900893

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 84

TRT#: 3

SEX: Male

DAY ON TEST: 542

DOSE: .15 MG/KG

DISP: Natural Death

HISTO: 8900894

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 85

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: .15 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900895

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 86

TRT#: 3

SEX: Male

DAY ON TEST: 723

DOSE: .15 MG/KG

DISP: Natural Death

HISTO: 8900896

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 87

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: .15 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900897

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 88

TRT#: 3

SEX: Male

DAY ON TEST: 479

DOSE: .15 MG/KG

DISP: Natural Death

HISTO: 8900898

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 89

TRT#: 3

SEX: Male

DAY ON TEST: 675

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900899

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 90

TRT#: 3

SEX: Male

DAY ON TEST: 626

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900900

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 91

TRT#: 3

SEX: Male

DAY ON TEST: 593

DOSE: .15 MG/KG

DISP: Natural Death

HISTO: 8900901

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 92

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: .15 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900902

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 93

TRT#: 3

SEX: Male

DAY ON TEST: 499

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900903

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 94

TRT#: 3

SEX: Male

DAY ON TEST: 578

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900904

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 95

TRT#: 3

SEX: Male

DAY ON TEST: 722

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900905

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL10, IS MAMMARY TUMOR, MOVED TO PAGE ONE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 96

TRT#: 3

SEX: Male

DAY ON TEST: 576

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900906

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 97

TRT#: 3

SEX: Male

DAY ON TEST: 606

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900907

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 98

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900908

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 99

TRT#: 3

SEX: Male

DAY ON TEST: 668

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900909

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 100

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: .15 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900910

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 101

TRT#: 3

SEX: Male

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900911

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 102

TRT#: 3

SEX: Male

DAY ON TEST: 698

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900912

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 103

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900913

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 104

TRT#: 3

SEX: Male

DAY ON TEST: 671

DOSE: .15 MG/KG

DISP: Natural Death

HISTO: 8900914

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 105

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900915

OBSERVATIONS

* Skin

Control

Acanthosis

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 106

TRT#: 3

SEX: Male

DAY ON TEST: 659

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900916

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 107

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900917

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 108

TRT#: 3

SEX: Male

DAY ON TEST: 659

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900918

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 109

TRT#: 3

SEX: Male

DAY ON TEST: 556

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900919

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 110

TRT#: 3

SEX: Male

DAY ON TEST: 623

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900920

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 111

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900921

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 112

TRT#: 3

SEX: Male

DAY ON TEST: 621

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900922

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 113

TRT#: 3

SEX: Male

DAY ON TEST: 731

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900923

OBSERVATIONS

* Skin

Subcut Tiss

Fibrosarcoma

[Fibrosarcoma TGLS = 3-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 114

TRT#: 3

SEX: Male

DAY ON TEST: 612

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900924

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 115

TRT#: 3

SEX: Male

DAY ON TEST: 610

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900925

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 116

TRT#: 3

SEX: Male

DAY ON TEST: 712

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900926

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 117

TRT#: 3

SEX: Male

DAY ON TEST: 556

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900927

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 118

TRT#: 3

SEX: Male

DAY ON TEST: 616

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900928

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 119

TRT#: 3

SEX: Male

DAY ON TEST: 456

DOSE: .15 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900929

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 120

TRT#: 3

SEX: Male

DAY ON TEST: 620

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900930

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH -

Animal Note: TGL8,INGUINAL MASS IS PREPUTIAL GLAND TUMOR

Animal Note: MOVED TO PAGE ONE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 121

TRT#: 5
DOSE: 0.5 MG/KG

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 556
HISTO: 8900751

OBSERVATIONS

* Skin
[Fibroma TGLS = 8-17,8-18]

Subcut Tiss

Fibroma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 122

TRT#: 5

SEX: Male

DAY ON TEST: 500

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900752

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 123

TRT#: 5

SEX: Male

DAY ON TEST: 664

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900753

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 124

TRT#: 5

SEX: Male

DAY ON TEST: 682

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900754

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 125

TRT#: 5

SEX: Male

DAY ON TEST: 707

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900755

OBSERVATIONS

* Skin

SOA-No Mass

Acanthosis

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 126

TRT#: 5

SEX: Male

DAY ON TEST: 643

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900756

OBSERVATIONS

* Skin

SOA-No Mass

Acanthosis

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 127

TRT#: 5

SEX: Male

DAY ON TEST: 416

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900757

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 128

TRT#: 5

SEX: Male

DAY ON TEST: 676

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900758

OBSERVATIONS

* Skin [Keratoacanthoma TGLS = 8-13] Keratoacanthoma

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 129

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900759

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 130

TRT#: 5

SEX: Male

DAY ON TEST: 523

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900760

OBSERVATIONS

* Skin

Hyperkeratosis

Mild

[Hyperkeratosis TGLS = 2-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 131

TRT#: 5

SEX: Male

DAY ON TEST: 599

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900761

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 132

TRT#: 5

SEX: Male

DAY ON TEST: 666

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900762

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 133

TRT#: 5

SEX: Male

DAY ON TEST: 437

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900763

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 134

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900764

OBSERVATIONS

* Skin

SOA-No Mass

Acanthosis

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 135

TRT#: 5

SEX: Male

DAY ON TEST: 648

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900765

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 136

TRT#: 5

SEX: Male

DAY ON TEST: 718

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900766

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 137

TRT#: 5

SEX: Male

DAY ON TEST: 632

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900767

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 138

TRT#: 5

SEX: Male

DAY ON TEST: 696

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900768

OBSERVATIONS

* Skin

Basal Cell Adenoma

[Basal Cell Adenoma TGLS = 9-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 139

TRT#: 5

SEX: Male

DAY ON TEST: 511

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900769

OBSERVATIONS

* Skin

SOA-No Mass

Acanthosis

Minimal

SOA-No Mass, Sebaceous Gl

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 140

TRT#: 5

SEX: Male

DAY ON TEST: 367

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900770

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 141

TRT#: 5
DOSE: 0.5 MG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 8900771

OBSERVATIONS

* Skin
[Carcinoma TGLS = 7-13]

SOA-Mass, Sebaceous GI

Carcinoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:20
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 142

TRT#: 5
DOSE: 0.5 MG/KG

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST: 456
HISTO: 8900772

OBSERVATIONS

* Skin

SOA-No Mass
SOA-No Mass, Sebaceous Gl

Acanthosis
Hyperplasia

Multifocal, Minimal
Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 143

TRT#: 5

SEX: Male

DAY ON TEST: 655

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900773

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 144

TRT#: 5

SEX: Male

DAY ON TEST: 649

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900774

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 145

TRT#: 5

SEX: Male

DAY ON TEST: 483

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900775

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 146

TRT#: 5

SEX: Male

DAY ON TEST: 587

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900776

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 147

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900777

OBSERVATIONS

* Skin

SOA-No Mass, Sebaceous GI

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 148

TRT#: 5

SEX: Male

DAY ON TEST: 456

DOSE: 0.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8600778

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 149

TRT#: 5

SEX: Male

DAY ON TEST: 589

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900779

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 150

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900780

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 151

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900781

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL5-13,IS MAMMARY GLAND TUMOR, MOVED TO PAGE ONE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 152

TRT#: 5

SEX: Male

DAY ON TEST: 635

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900782

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 153

TRT#: 5

SEX: Male

DAY ON TEST: 635

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900783

OBSERVATIONS

* Skin

Basosquamous Tumor Benign

[Basosquamous Tumor Benign TGLS = 7-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 154

TRT#: 5

SEX: Male

DAY ON TEST: 662

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900784

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 155

TRT#: 5

SEX: Male

DAY ON TEST: 671

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900785

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 156

TRT#: 5

SEX: Male

DAY ON TEST: 505

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900786

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 157

TRT#: 5

SEX: Male

DAY ON TEST: 626

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900787

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 158

TRT#: 5

SEX: Male

DAY ON TEST: 727

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900788

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 159

TRT#: 5

SEX: Male

DAY ON TEST: 613

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900789

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 160

TRT#: 5

SEX: Male

DAY ON TEST: 25

DOSE: 0.5 MG/KG

DISP: Accidentally Killed

HISTO: 8900790

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 161

TRT#: 5

SEX: Male

DAY ON TEST: 537

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900791

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 162

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900792

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 163

TRT#: 5

SEX: Male

DAY ON TEST: 526

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900793

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 164

TRT#: 5
DOSE: 0.5 MG/KG

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 683
HISTO: 8900794

OBSERVATIONS

* Skin

Control

Acanthosis

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 165

TRT#: 5

SEX: Male

DAY ON TEST: 199

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900795

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 166

TRT#: 5

SEX: Male

DAY ON TEST: 621

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900796

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 167

TRT#: 5

SEX: Male

DAY ON TEST: 601

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900797

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 168

TRT#: 5

SEX: Male

DAY ON TEST: 698

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900798

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 169

TRT#: 5

SEX: Male

DAY ON TEST: 729

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900799

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 170

TRT#: 5

SEX: Male

DAY ON TEST: 712

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900800

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 171

TRT#: 5

SEX: Male

DAY ON TEST: 658

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900801

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 172

TRT#: 5

SEX: Male

DAY ON TEST: 632

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900802

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 173

TRT#: 5
DOSE: 0.5 MG/KG

SEX: Male
DISP: Scheduled Sacrifice

DAY ON TEST: 456
HISTO: 8900803

OBSERVATIONS

* Skin

SOA-No Mass

Acanthosis

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 174

TRT#: 5
DOSE: 0.5 MG/KG

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 663
HISTO: 8900804

OBSERVATIONS

* Skin
[Keratoacanthoma TGLS = 7-13]

SOA-Mass

Keratoacanthoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 175

TRT#: 5
DOSE: 0.5 MG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 730
HISTO: 8900805

OBSERVATIONS

* Skin

SOA-Mass, Subcut Tiss
Control

Histiocytic Sarcoma
Hyperplasia
Keratoacanthoma

Basal Cell, Mild

[Keratoacanthoma TGLS = 1-16]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 176

TRT#: 5
DOSE: 0.5 MG/KG

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 575
HISTO: 8900806

OBSERVATIONS

* Skin

SOA-No Mass
SOA-No Mass, Sebaceous Gl

Acanthosis
Hyperplasia

Minimal
Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 177

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900807

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH -

Animal Note: TGL6, HYPERKERATOSIS WITHIN NORMAL LIMIT FOR

Animal Note: THIS STUDY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 178

TRT#: 5

SEX: Male

DAY ON TEST: 730

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900808

OBSERVATIONS

* Skin [Keratoacanthoma TGLS = 1-12] Keratoacanthoma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 179

TRT#: 5

SEX: Male

DAY ON TEST: 658

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900809

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 180

TRT#: 5

SEX: Male

DAY ON TEST: 613

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900810

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 181	TRT#: 7	SEX: Male	DAY ON TEST: 691
	DOSE: 1.5 MG/KG	DISP: Natural Death	HISTO: 8900571

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Islets, Pancreatic	* Nose	* Pituitary Gland	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow	Femoral	Myelofibrosis	Moderate
* Heart		Degeneration	Chronic, Moderate
		Mineralization	Marked
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1]			
* Liver		Eosinophilic Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Mineralization	Marked
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Marked
* Preputial Gland		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 4-10]			
* Stomach, Forestomach		Mineralization	Marked
[Mineralization TGLS = 6-6]			
* Stomach, Glandular		Mineralization	Marked
[Mineralization TGLS = 6-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

Animal Note: ON MICRO

Animal Note: TGL3-7, ADRENAL DISCOLORATION NOT APPARENT

Animal Note: COD, NEPHROPATHY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 722

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900572

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Degeneration	Chronic, Mild
* Intestine Large, Colon		Adenoma	
[Adenoma TGLS = 10-15]			
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 8-1]			
* Liver	Bile Duct	Hyperplasia	Moderate
[Leukemia Mononuclear TGLS = 5-4,6-4]		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 9-16]		Hyperplasia	Cystic, Moderate
Mesentery	Fat	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 4-13,7-14]			
* Pancreas	Acinus	Atrophy	Moderate
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Stomach, Forestomach		Ulcer	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]	Germinal Epith	Degeneration	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 182

TRT#: 7

SEX: Male

DAY ON TEST: 722

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900572

ORGAN AND ACCOUNTABLE SITE STATUS

[Degeneration TGLS = 3-10]

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

Animal Note: TGL9-16, IS MAMMARY GLAND TUMOR, NOT SKIN MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 183

TRT#: 7

SEX: Male

DAY ON TEST: 639

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900573

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Preputial Gland	* Salivary Glands	* Spleen
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Degeneration	Chronic, Moderate
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1]			
* Liver	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-7]			
* Prostate		Inflammation	Chronic Active, Moderate
* Seminal Vesicle		Inflammation	Chronic Active, Moderate
* Skin	Subcut Tiss	Fibroma	
[Fibroma TGLS = 5-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Mild
[Degeneration TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC. DUE TO NEPHROPATHY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 710

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900574

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Islets, Pancreatic	* Nose	* Pancreas	* Salivary Glands
* Seminal Vesicle	* Skin	* Thyroid Gland	* Trachea

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow	Femoral	Leukemia Mononuclear	
* Heart	Atrium	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 11-19]	Thrombosis	
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Marked
	[Leukemia Mononuclear TGLS = 10-4]	Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Lumbar	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-16,5-12,6-18,7-14,8-13,9-6]		
	[Leukemia Mononuclear TGLS = 4-16,5-12,6-18,7-14,8-13,9-6]		
	[Leukemia Mononuclear TGLS = 4-16,5-12,6-18,7-14,8-13,9-6]		
	[Leukemia Mononuclear TGLS = 4-16,5-12,6-18,7-14,8-13,9-6]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-16,5-12,6-18,7-14,8-13,9-6]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-16,5-12,6-18,7-14,8-13,9-6]		
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
* Preputial Gland		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 184

TRT#: 7

SEX: Male

DAY ON TEST: 710

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900574

ORGAN AND ACCOUNTABLE SITE STATUS

* Prostate		Leukemia Mononuclear
* Spleen		Leukemia Mononuclear
	[Leukemia Mononuclear TGLS = 2-15]	
* Testes	Bilateral, Interstit Cell	Adenoma
	[Adenoma TGLS = 3-10]	
* Thymus		Leukemia Mononuclear
* Urinary Bladder		Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185

TRT#: 7

SEX: Male

DAY ON TEST: 533

DOSE: 1.5 MG/KG

DISP: Natural Death

HISTO: 8900575

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Islets, Pancreatic	* Seminal Vesicle	* Skin	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Bone Marrow	Femoral	Leukemia Mononuclear	
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Minimal
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4,4-12,5-4,5-12]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-15]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-15]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-15]		
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Mucosa	Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-7]		
* Preputial Gland		Inflammation	Chronic Active, Marked
* Prostate		Inflammation	Chronic Active, Moderate
* Salivary Glands		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-16]		
* Spleen		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 185	TRT#: 7	SEX: Male	DAY ON TEST: 533
	DOSE: 1.5 MG/KG	DISP: Natural Death	HISTO: 8900575

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 3-13]		
* Stomach, Forestomach	Ulcer	Moderate
[Ulcer TGLS = 8-6,8-14,9-6,9-14]		
* Stomach, Glandular	Ulcer	Moderate
[Ulcer TGLS = 8-6,8-14,9-6,9-14]		

PRIMARY CAUSE OF DEATH -
Animal Note: COD, MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 186

TRT#: 7

SEX: Male

DAY ON TEST: 549

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900576

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Islets, Pancreatic	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Skin	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Bone Marrow	Femoral	Leukemia Mononuclear	
* Heart		Degeneration	Chronic, Mild
	Atrium	Thrombosis	
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-14]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-14]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-14]		
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Hemorrhage	Moderate
	[Hemorrhage TGLS = 8-7]		
* Preputial Gland		Adenoma	
	[Adenoma TGLS = 1-15]		
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-12,4-13]		
* Stomach, Forestomach		Ulcer	Moderate
	[Ulcer TGLS = 9-11]		
* Testes	Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 186	TRT#: 7	SEX: Male	DAY ON TEST: 549
	DOSE: 1.5 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900576

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 6-10]

* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC. DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 187

TRT#: 7

SEX: Male

DAY ON TEST: 562

DOSE: 1.5 MG/KG

DISP: Natural Death

HISTO: 8900577

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Squamous Cell Carcinoma	Metastatic (Lung)
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Squamous Cell Carcinoma	
	[Squamous Cell Carcinoma TGLS = 3-13,4-12]		
Lymph Node	Thoracic	Squamous Cell Carcinoma	Metastatic (Lung)
	[Squamous Cell Carcinoma TGLS = 6-14]		
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Skin	SOA-No Mass	Acanthosis	Minimal
* Stomach, Glandular		Ulcer	Mild
	[Ulcer TGLS = 7-6]		
* Testes	Interstitial Cell	Adenoma	
	[Adenoma TGLS = 1-15,2-15]		
* Thymus		Squamous Cell Carcinoma	Metastatic (Lung)
	[Squamous Cell Carcinoma TGLS = 5-12]		

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, LUNG TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 188

TRT#: 7

SEX: Male

DAY ON TEST: 626

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900578

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thymus	* Trachea
* Urinary Bladder			

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
* Lymph Node, Mandibular		Infiltration Cellular	Plasma Cell, Moderate
[Infiltration Cellular TGLS = 2-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Preputial Gland	Duct	Ectasia	Moderate
[Ectasia TGLS = 1-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC. DUE TO ENLARGED PREPUTIAL GLAND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900579

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Islets, Pancreatic
* Lung	* Nose	* Salivary Glands	* Seminal Vesicle
* Skin	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Femoral	Myelofibrosis	Mild
* Brain		Compression	Mild
* Heart		Degeneration	Chronic, Moderate
* Intestine Small, Duodenum		Ulcer	Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-13,5-1]			
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 3-12]			
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
[Adenoma TGLS = 1-10]			
[Degeneration TGLS = 2-10]			
* Thyroid Gland	C Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 189

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900579

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 190

TRT#: 7

SEX: Male

DAY ON TEST: 613

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900580

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Testes
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 5-1]			
* Liver	Bile Duct	Cyst	
	Hepatocyte	Hepatodiaphragmatic Nodule	
		Vacuolization Cytoplasmic	Moderate
[Cyst TGLS = 1-12]			
[Hepatodiaphragmatic Nodule TGLS = 2-4]			
[Vacuolization Cytoplasmic TGLS = 4-4,4-12]			
* Lymph Node, Mesenteric		Hyperplasia	Lymphoid, Moderate
[Hyperplasia TGLS = 7-13]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-7]			

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO NEPHROPATHY & PITUITARY MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191

TRT#: 7

SEX: Male

DAY ON TEST: 537

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900581

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Preputial Gland
* Salivary Glands	* Seminal Vesicle	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow	Femoral	Leukemia Mononuclear	
* Heart		Degeneration	Chronic, Minimal
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
		[Leukemia Mononuclear TGLS = 4-1,5-1]	
* Liver		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 11-4,11-15]	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-18,6-17,7-19]	
* Lymph Node, Mandibular		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-18,6-17,7-19]	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 1-18,6-17,7-19]	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
		[Leukemia Mononuclear TGLS = 8-7]	
* Prostate		Inflammation	Chronic Active, Mild
* Skin		Hyperkeratosis	Marked
		Ulcer	Moderate
		[Hyperkeratosis TGLS = 10-13]	
		[Ulcer TGLS = 9-12]	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 191	TRT#: 7	SEX: Male	DAY ON TEST: 537
	DOSE: 1.5 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900581

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 2-14]		Leukemia Mononuclear	
* Stomach, Forestomach [Ulcer TGLS = 12-6,12-16,13-6,13-16]		Ulcer	Moderate
* Stomach, Glandular [Ulcer TGLS = 12-6,12-16,13-6,13-16]		Ulcer	Moderate
* Testes [Adenoma TGLS = 3-10]	Interstit Cell	Adenoma	
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC. DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 679

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900582

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Islets, Pancreatic	* Nose	* Salivary Glands	* Seminal Vesicle
* Skin	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Thymus		
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OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	Moderate
		Hydrocephalus	Moderate
* Heart		Degeneration	Chronic, Moderate
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1]			
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Inflammation	Granulomatous, Mild
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Thrombosis	
[Thrombosis TGLS = 1-12]			
* Stomach, Forestomach		Acanthosis	Moderate
* Testes	Germinal Epith	Degeneration	Moderate
	Interstitial Cell	Hyperplasia	Mild
[Degeneration TGLS = 3-10]			
[Hyperplasia TGLS = 4-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 192

TRT#: 7

SEX: Male

DAY ON TEST: 679

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900582

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO NEPHROPATHY & PITUITARY MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 193

TRT#: 7

SEX: Male

DAY ON TEST: 557

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900583

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hemorrhage	Marked
[Hemorrhage TGLS = 1-7]			
* Prostate		Inflammation	Chronic Active, Mild
* Skin	SOA-No Mass	Acanthosis	Minimal
* Spleen		Histiocytic Sarcoma	
		Leukemia Mononuclear	
[Histiocytic Sarcoma TGLS = 4-12]			
[Leukemia Mononuclear TGLS = 3-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
		Cyst	
	Germinal Epith	Degeneration	Mild
[Adenoma TGLS = 2-10]			
[Cyst TGLS = 5-13]			

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO PITUITARY HEMORRHAGE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 194

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900584

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
Eye	* Islets, Pancreatic	* Lung	* Pancreas
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	Mild
* Heart		Degeneration	Chronic, Minimal
* Intestine Small, Duodenum		Dysplasia	Mild
* Intestine Small, Jejunum		Adenocarcinoma	
	[Adenocarcinoma TGLS = 7-12]		
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 4-1]		
* Liver		Hepatodiaphragmatic Nodule	
	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 5-4]	Vacuolization Cytoplasmic	Moderate
* Mammary Gland		Fibroadenoma	
* Nose	Sinus	Foreign Body	Minimal
	Mucosa	Inflammation	Chronic Active, Moderate
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-7]		
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Spleen		Fibrosis	Mild
	[Fibrosis TGLS = 3-13]	Leukemia Mononuclear	
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 194	TRT#: 7	SEX: Male	DAY ON TEST: 729
	DOSE: 1.5 MG/KG	DISP: Terminal Sacrifice	HISTO: 8900584

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 2-10]

[Degeneration TGLS = 1-10]

* Thyroid Gland

C Cell

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 195

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 1.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900585

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Inflammation	Chronic Active, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Prostate		Inflammation	Chronic Active, Mild
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Minimal
	[Acanthosis TGLS = 1-12]		
	[Ulcer TGLS = 1-12]		
* Testes	Interstit Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 196 **TRT#:** 7 **SEX:** Male **DAY ON TEST:** 729
DOSE: 1.5 MG/KG **DISP:** Terminal Sacrifice **HISTO:** 8900586

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Pancreas	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-1]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14,6-15]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14,6-15]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-14,6-15]			
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Mucosa	Inflammation	Chronic Active, Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Skin	Dermis, SOA-Mass	Fibrosis	Mild
[Fibrosis TGLS = 7-16]			
* Spleen		Fibrosis	Minimal
[Fibrosis TGLS = 3-13]		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 196

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900586

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 5-10]

* Thymus

Leukemia Mononuclear

* Thyroid Gland

C Cell

Adenoma

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 197	TRT#: 7	SEX: Male	DAY ON TEST: 456
	DOSE: 1.5 MG/KG	DISP: Scheduled Sacrifice	HISTO: 8900587

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Spleen
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Pancreas	Acinus	Atrophy	Mild
* Preputial Gland		Inflammation	Chronic Active, Minimal
* Skin	SOA-No Mass	Acanthosis	Mild
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Minimal
[Acanthosis TGLS = 1-12]			
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198

TRT#: 7

SEX: Male

DAY ON TEST: 659

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900588

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Islets, Pancreatic	* Nose	Peripheral Nerve	* Pituitary Gland
* Salivary Glands	* Seminal Vesicle	* Skin	Spinal Cord
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Bone Marrow	Femoral	Leukemia Mononuclear	
* Heart		Degeneration	Chronic, Mild
* Intestine Small, Duodenum		Leukemia Mononuclear	
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 6-1]			
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-2,7-3]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Inflammation	Chronic Active, Mild
		Leukemia Mononuclear	
[Inflammation TGLS = 5-13]			
* Pancreas	Acinus	Atrophy	Moderate
* Parathyroid Gland		Hyperplasia	Marked
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 198	TRT#: 7	SEX: Male	DAY ON TEST: 659
	DOSE: 1.5 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900588

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular		Mineralization	Mild
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Mild
	Interstit Cell	Hyperplasia	Mild
	[Adenoma TGLS = 4-10]		
	[Hyperplasia TGLS = 4-10]		
* Thymus		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 8-14]		
* Thyroid Gland	C Cell	Adenoma	
	[Adenoma TGLS = 9-7]		
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 594

DOSE: 1.5 MG/KG

DISP: Natural Death

HISTO: 8900589

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Testes	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Leukemia Mononuclear	
* Heart		Degeneration	Chronic, Minimal
		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Deep Cervical	Leukemia Mononuclear	
	Inguinal	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-16,4-6,5-15,7-13,8-14]		
	[Leukemia Mononuclear TGLS = 2-16,4-6,5-15,7-13,8-14]		
	[Leukemia Mononuclear TGLS = 2-16,4-6,5-15,7-13,8-14]		
	[Leukemia Mononuclear TGLS = 2-16,4-6,5-15,7-13,8-14]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-16,4-6,5-15,7-13,8-14]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-16,4-6,5-15,7-13,8-14]		
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-7]		
* Preputial Gland		Inflammation	Chronic Active, Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 199

TRT#: 7

SEX: Male

DAY ON TEST: 594

DOSE: 1.5 MG/KG

DISP: Natural Death

HISTO: 8900589

ORGAN AND ACCOUNTABLE SITE STATUS

[Inflammation TGLS = 1-10]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 3-12]

* Thymus

Leukemia Mononuclear

* Thyroid Gland

Leukemia Mononuclear

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 200	TRT#: 7	SEX: Male	DAY ON TEST: 408
	DOSE: 1.5 MG/KG	DISP: Natural Death	HISTO: 8900590

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-5]			
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Testes	Interstitial Cell	Hyperplasia	Mild
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

Animal Note: COD, LEUKEMIA MONONUCLEAR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 201	TRT#: 7	SEX: Male	DAY ON TEST: 364
	DOSE: 1.5 MG/KG	DISP: Natural Death	HISTO: 8900591

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Heart	* Islets, Pancreatic	* Liver	* Lung
* Pancreas	* Parathyroid Gland	* Preputial Gland	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Testes
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Epididymis	Serosa	Mesothelioma Benign	
* Kidney		Nephropathy	Chronic, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Sinus	Foreign Body	Moderate
	Mucosa	Inflammation	Chronic Active, Moderate
* Pituitary Gland	Pars Distalis	Vacuolization Cytoplasmic	Mild
* Prostate		Inflammation	Chronic Active, Mild
* Thymus		Depletion Lymphoid	Marked

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, UNDETERMINED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 202

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900592

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pituitary Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Moderate
	[Cataract TGLS = 1-15]		
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 3-4]		
* Liver		Hepatodiaphragmatic Nodule	
	Hepatocyte	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 5-12]		
	[Leukemia Mononuclear TGLS = 6-4]		
Lymph Node	Mediastinal	Inflammation	Chronic Active, Moderate
* Lymph Node, Mesenteric		Inflammation	Chronic Active, Moderate
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pancreas	Artery	Inflammation	Chronic Active, Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Marked
	[Fibrosis TGLS = 2-14]		
* Stomach, Forestomach		Ulcer	Moderate
	[Ulcer TGLS = 7-13]		
* Stomach, Glandular		Necrosis	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 202	TRT#: 7	SEX: Male	DAY ON TEST: 729
	DOSE: 1.5 MG/KG	DISP: Terminal Sacrifice	HISTO: 8900592

ORGAN AND ACCOUNTABLE SITE STATUS

[Necrosis TGLS = 8-13]		
* Testes	Bilateral, Interstit Cell	Adenoma
[Adenoma TGLS = 4-10]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 203

TRT#: 7

SEX: Male

DAY ON TEST: 291

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900593

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Testes	* Urinary Bladder		

OBSERVATIONS

* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Lumen	Hemorrhage	Moderate
	Mucosa	Inflammation	Chronic Active, Moderate
	Mucosa	Ulcer	Moderate
* Pituitary Gland	Pars Distalis	Vacuolization Cytoplasmic	Mild
* Prostate		Inflammation	Chronic Active, Mild
* Skin	SOA-No Mass	Acanthosis	Minimal
	SOA-No Mass	Hyperkeratosis	Mild
* Thymus		Depletion Lymphoid	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Trachea	Submucosa	Inflammation	Chronic, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO NASAL INFLAMMATION AND ULCERA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 204	TRT#: 7	SEX: Male	DAY ON TEST: 729
	DOSE: 1.5 MG/KG	DISP: Terminal Sacrifice	HISTO: 8900594

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Lung	* Nose	* Pancreas
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Thymus	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Minimal
* Heart		Degeneration	Chronic, Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
* Parathyroid Gland	Bile Duct	Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 2-7]		Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 205

TRT#: 7

SEX: Male

DAY ON TEST: 465

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900595

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Heart	* Islets, Pancreatic	* Nose	* Parathyroid Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Brain		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-5]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-12]			
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland	Duct	Ectasia	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-1,2-13]			
* Stomach, Forestomach		Ulcer	Moderate
* Testes	Bilateral, Interstit Cell	Adenoma	
	Interstit Cell	Hyperplasia	Mild
[Adenoma TGLS = 5-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 205

TRT#: 7

SEX: Male

DAY ON TEST: 465

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900595

ORGAN AND ACCOUNTABLE SITE STATUS

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 206	TRT#: 7	SEX: Male	DAY ON TEST: 639
	DOSE: 1.5 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900596

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Islets, Pancreatic
* Lung	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain		Compression	Moderate
		Hydrocephalus	Moderate
* Epididymis	Serosa	Mesothelioma Malignant	
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1]			
* Liver	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery		Mesothelioma Malignant	
[Mesothelioma Malignant TGLS = 4-12]			
* Nose	Mucosa	Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-7]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 207

TRT#: 7

SEX: Male

DAY ON TEST: 170

DOSE: 1.5 MG/KG

DISP: Natural Death

HISTO: 8900597

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Islets, Pancreatic	* Liver
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Prostate		Hyperplasia	Minimal
* Skin	SOA-No Mass	Acanthosis	Minimal

[Acanthosis TGLS = 1-12]

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-12, NOT PRESENT ON MICRO

Animal Note: COD, UNDETERMINED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 208

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900598

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Salivary Glands	* Seminal Vesicle	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Marked
* Heart		Degeneration	Chronic, Mild
* Kidney		Cyst	
		Nephropathy	Chronic, Moderate
	[Cyst TGLS = 8-1]		
* Liver		Clear Cell Focus	
	Hepatocyte	Degeneration	Cystic, Mild
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-4]		
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
	[Fibroadenoma TGLS = 1-12]		
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 7-7]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
	[Fibrosis TGLS = 6-13]		
	[Leukemia Mononuclear TGLS = 5-14]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 208

TRT#: 7
DOSE: 1.5 MG/KG

SEX: Male
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 8900598

ORGAN AND ACCOUNTABLE SITE STATUS

* Testes	Bilateral, Interstit Cell Germinal Epith	Adenoma Degeneration	Moderate
[Adenoma TGLS = 2-10]			
[Degeneration TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 209

TRT#: 7

SEX: Male

DAY ON TEST: 605

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900599

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Heart	* Islets, Pancreatic	* Lung	* Nose
* Parathyroid Gland	* Preputial Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Brain		Compression	Moderate
		Hydrocephalus	Moderate
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1]			
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
Lymph Node	Mediastinal	Congestion	Moderate
[Congestion TGLS = 4-12]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-7]			
* Prostate		Inflammation	Chronic Active, Mild
* Stomach, Forestomach		Inflammation	Chronic Active, Mild
* Testes	Germinal Epith	Degeneration	Moderate
[Degeneration TGLS = 1-10]			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SAC DUE TO PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 210

TRT#: 7

SEX: Male

DAY ON TEST: 692

DOSE: 1.5 MG/KG

DISP: Natural Death

HISTO: 8900600

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 4-1]			
* Liver	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Urinary Bladder	Transit Epithe	Papilloma	
[Papilloma TGLS = 2-12,3-12]			

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, NEPHROPATHY AND BLADDER MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 211

TRT#: 7
DOSE: 1.5 MG/KG

SEX: Male
DISP: Moribund Sacrifice

DAY ON TEST: 649
HISTO: 8900601

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Skin	* Testes	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Heart	Atrium	Thrombosis	
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Stomach, Glandular		Ulcer	Moderate
[Ulcer TGLS = 5-4,5-13]			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 212 TRT#: 7 SEX: Male DAY ON TEST: 609
DOSE: 1.5 MG/KG DISP: Natural Death HISTO: 8900602

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1]			
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-7]			
* Skin	SOA-No Mass	Cyst	Minimal
* Spleen		Leukemia Mononuclear	
* Stomach, Forestomach		Inflammation	Chronic Active, Moderate
		Ulcer	Mild
* Testes	Interstitial Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 213

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900603

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Islets, Pancreatic
* Nose	* Salivary Glands	* Seminal Vesicle	* Testes
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Moderate
* Bone Marrow	Femoral	Leukemia Mononuclear	
* Brain		Compression	Mild
* Heart		Degeneration	Chronic, Moderate
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1]			
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Inflammation	Chronic Active, Minimal
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
		Leukemia Mononuclear	
[Adenoma TGLS = 3-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Skin	SOA-No Mass, Subcut Tiss	Histiocytic Sarcoma	
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 214	TRT#: 7	SEX: Male	DAY ON TEST: 655
	DOSE: 1.5 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900604

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Liver	* Lung
* Nose	* Pancreas	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 5-1]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
[Hyperplasia TGLS = 1-13]			
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Marked
[Inflammation TGLS = 4-14]			
* Testes	Interstitial Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
[Adenoma TGLS = 2-10]			
[Degeneration TGLS = 3-10]			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SAC DUE TO NEPHROPATHY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 215

TRT#: 7

SEX: Male

DAY ON TEST: 613

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900605

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Islets, Pancreatic	* Nose	* Pancreas	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Bone Marrow	Femoral	Leukemia Mononuclear	
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 6-1]			
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 7-4]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-15,9-16]			
Lymph Node	Mediastinal	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7,8-14]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-7,8-14]			
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Infarct	Marked
		Leukemia Mononuclear	
[Infarct TGLS = 3-12]			
[Leukemia Mononuclear TGLS = 2-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-10]			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 215

TRT#: 7

SEX: Male

DAY ON TEST: 613

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900605

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 216

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900606

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Lung	* Nose	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Spleen
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Heart		Degeneration	Chronic, Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild
* Testes	Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 217

TRT#: 7

SEX: Male

DAY ON TEST: 619

DOSE: 1.5 MG/KG

DISP: Natural Death

HISTO: 8900607

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Epididymis	* Esophagus
* Islets, Pancreatic	* Nose	* Pancreas	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone	Tarsal	Fracture	
[Fracture TGLS = 7-12]			
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 5-1]			
* Liver	Bile Duct	Hyperplasia	Mild
[Leukemia Mononuclear TGLS = 4-4]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin	SOA-No Mass	Acanthosis	Minimal
	Subcut Tiss	Histiocytic Sarcoma	
[Acanthosis TGLS = 6-10]			
[Histiocytic Sarcoma TGLS = 1-13,1-14]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-15]			
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
	Interstit Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 217

TRT#: 7

SEX: Male

DAY ON TEST: 619

DOSE: 1.5 MG/KG

DISP: Natural Death

HISTO: 8900607

ORGAN AND ACCOUNTABLE SITE STATUS

[Adenoma TGLS = 3-10]

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-13,1-14, IS SUBCUTIS SKIN MASS, NOT MAMMARY

Animal Note: TGL7-12, IS AN OLD BONE FRACTURE

Animal Note: COD, MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 218

TRT#: 7

SEX: Male

DAY ON TEST: 662

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900608

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	Peripheral Nerve	* Pituitary Gland	* Preputial Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
Spinal Cord	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart	Atrium	Thrombosis	
[Thrombosis TGLS = 3-4]			
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Moderate
[Leukemia Mononuclear TGLS = 2-4]		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
* Stomach, Glandular		Ulcer	Mild
[Ulcer TGLS = 5-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 219 TRT#: 7 SEX: Male DAY ON TEST: 683
DOSE: 1.5 MG/KG DISP: Moribund Sacrifice HISTO: 8900609

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Islets, Pancreatic
* Liver	* Lung	* Nose	* Pancreas
* Salivary Glands	* Seminal Vesicle	* Spleen	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Brain		Compression	Mild
		Hydrocephalus	Mild
* Epididymis		Inflammation	Granulomatous, Marked
* Heart		Degeneration	Chronic, Moderate
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-1]			
* Mammary Gland		Fibroma	
[Fibroma TGLS = 2-13]			
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-7]			
* Preputial Gland		Inflammation	Chronic Active, Moderate
* Prostate		Inflammation	Granulomatous, Marked
* Skin	SOA-No Mass	Acanthosis	Minimal
* Stomach, Forestomach		Acanthosis	Moderate
[Acanthosis TGLS = 5-12]			
* Testes	Germinal Epith	Degeneration	Moderate
[Degeneration TGLS = 3-10]			
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO PITUITARY MASS & NEPHROPATHY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 220

TRT#: 7

SEX: Male

DAY ON TEST: 551

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900610

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Nose	* Prostate
* Salivary Glands	* Seminal Vesicle	* Skin	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-4]		
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-7,7-15,8-17,10-16]		
	[Leukemia Mononuclear TGLS = 2-7,7-15,8-17,10-16]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-7,7-15,8-17,10-16]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-7,7-15,8-17,10-16]		
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 1-18]		
* Spleen		Leukemia Mononuclear	
	Capsule	Thrombosis	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 220	TRT#: 7	SEX: Male	DAY ON TEST: 551
	DOSE: 1.5 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900610

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 4-14]			
[Thrombosis TGLS = 5-12]			
* Stomach, Glandular		Necrosis	Mild
[Necrosis TGLS = 11-19]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-10]			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 221

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900611

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
		Pheochromocytoma Benign	
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1]			
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH -

Animal Note: TGL1-12, IS A SMALL PIECE OF ACCESSORY SPLEEN

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 222

TRT#: 7

SEX: Male

DAY ON TEST: 722

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900612

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Epididymis	* Esophagus	* Islets, Pancreatic
* Nose	* Salivary Glands	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Minimal
* Adrenal Medulla		Hyperplasia	Mild
Blood Vessel	Aorta	Mineralization	Marked
[Mineralization TGLS = 7-13]			
* Bone Marrow	Femoral	Myelofibrosis	Marked
* Brain		Compression	Minimal
* Heart		Degeneration	Chronic, Moderate
		Mineralization	Marked
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 5-1]			
* Liver		Basophilic Focus	
	Hepatocyte	Degeneration	Cystic, Moderate
	Hepatocyte	Vacuolization Cytoplasmic	Moderate
[Degeneration TGLS = 6-12]			
[Vacuolization Cytoplasmic TGLS = 4-4]			
* Lung		Mineralization	Moderate
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 8-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Marked
* Seminal Vesicle		Inflammation	Chronic Active, Moderate
* Stomach, Forestomach		Mineralization	Moderate
[Mineralization TGLS = 3-6]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 222	TRT#: 7	SEX: Male	DAY ON TEST: 722
	DOSE: 1.5 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900612

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular [Mineralization TGLS = 3-6]		Mineralization	Moderate
* Testes [Adenoma TGLS = 1-10,2-10]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SAC DUE TO NEPHROPATHY & PITUITARY MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 223

TRT#: 7

SEX: Male

DAY ON TEST: 643

DOSE: 1.5 MG/KG

DISP: Natural Death

HISTO: 8900613

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Skin	* Trachea	* Urinary Bladder	

MISSING

* Mammary Gland	* Thymus
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OBSERVATIONS

* Adrenal Cortex [Vacuolization Cytoplasmic TGLS = 7-7]		Vacuolization Cytoplasmic	Marked
* Brain		Compression	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney [Nephropathy TGLS = 2-1]		Nephropathy	Chronic, Marked
* Liver Mesentery [Inflammation TGLS = 6-13]	Hepatocyte Fat	Vacuolization Cytoplasmic Inflammation	Marked Chronic Active, Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland [Adenoma TGLS = 3-7]	Pars Distalis	Adenoma	
* Spleen [Fibrosis TGLS = 5-12]		Fibrosis	Mild
* Testes [Degeneration TGLS = 1-10]	Bilateral, Interstit Cell Germinal Epith	Adenoma Degeneration	Moderate
* Thyroid Gland	Follicular Cel	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: COD. PITUITARY TUMOR AND NEPHROPATHY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 224

TRT#: 7

SEX: Male

DAY ON TEST: 710

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900614

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Spleen	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1]			
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Stomach, Forestomach		Ulcer	Moderate
[Ulcer TGLS = 4-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 3-10]			

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO NEPHROPATHY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 225

TRT#: 7

SEX: Male

DAY ON TEST: 556

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900615

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Heart	* Islets, Pancreatic	* Lung
* Nose	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla [Pheochromocytoma Malignant TGLS = 3-7]		Pheochromocytoma Malignant	
* Kidney		Nephropathy	Chronic, Marked
* Liver		Basophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild
* Testes [Adenoma TGLS = 1-10]	Bilateral, Interstit Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SAC DUE TO NEPHROPATHY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 226

TRT#: 7

SEX: Male

DAY ON TEST: 675

DOSE: 1.5 MG/KG

DISP: Natural Death

HISTO: 8900616

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Salivary Glands	* Seminal Vesicle	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Compression	Moderate
* Heart		Degeneration	Chronic, Moderate
* Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 4-1]			
* Liver	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
Mesentery	Fat	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 2-12]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Minimal
[Acanthosis TGLS = 5-13]			
* Testes	Interstit Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PITUITARY MASS AND NEPHROPATHY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 227

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 1.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900617

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Parathyroid Gland	* Preputial Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Trachea	* Urinary Bladder

MISSING

* Mammary Gland

OBSERVATIONS

* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	SOA-No Mass	Acanthosis	Mild
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Depletion Lymphoid	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 228

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900618

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Salivary Glands
* Seminal Vesicle	* Spleen	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Compression	Mild
		Hydrocephalus	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Minimal
* Skin		Acanthosis	Marked
		Squamous Cell Papilloma	
[Acanthosis TGLS = 5-14]			
[Squamous Cell Papilloma TGLS = 6-13]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 229

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900619

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Seminal Vesicle	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
		Leukemia Mononuclear	
* Bone Marrow	Femoral	Leukemia Mononuclear	
* Heart		Degeneration	Chronic, Mild
* Islets, Pancreatic		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 5-1]		
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4,7-4]		
Lymph Node	Axillary	Leukemia Mononuclear	
	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-16,6-13,8-12]		
	[Leukemia Mononuclear TGLS = 4-16,6-13,8-12]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-16,6-13,8-12]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 4-16,6-13,8-12]		
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 9-7]		
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Moderate
* Skin	SOA-Mass	Cyst Epithelial Inclusion	Mild
	[Cyst Epithelial Inclusion TGLS = 10-15]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 229	TRT#: 7	SEX: Male	DAY ON TEST: 729
	DOSE: 1.5 MG/KG	DISP: Terminal Sacrifice	HISTO: 8900619

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen [Leukemia Mononuclear TGLS = 1-14]		Leukemia Mononuclear	
* Testes [Adenoma TGLS = 2-10]	Interstit Cell Interstit Cell	Adenoma Hyperplasia	Mild
* Thyroid Gland	Follicle C Cell	Cyst Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 230

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900620

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Spleen	* Trachea	* Urinary Bladder

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
	[Nephropathy TGLS = 2-1]		
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild
* Skin	SOA-Mass	Cyst Epithelial Inclusion	
	[Cyst Epithelial Inclusion TGLS = 3-13,4-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 231

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900621

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Pituitary Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow	Femoral	Leukemia Mononuclear	
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1]			
* Liver	Bile Duct	Hyperplasia	Moderate
[Leukemia Mononuclear TGLS = 2-4]		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Skin	Control	Acanthosis	Minimal
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-12]			
* Stomach, Glandular		Hyperplasia	Mild
[Hyperplasia TGLS = 5-6]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			
* Thyroid Gland	C Cell	Hyperplasia	Mild
		Ultimobranchial Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 232

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900622

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Nose	* Pancreas
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1,7-14]			
* Liver	Hepatocyte	Degeneration	Cystic, Mild
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 3-13]			
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 6-7]			
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 5-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 233	TRT#: 7	SEX: Male	DAY ON TEST: 635
	DOSE: 1.5 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900623

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Pituitary Gland
* Prostate	* Salivary Glands	* Seminal Vesicle	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow	Femoral	Myelofibrosis	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 3-1]			
* Liver		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Marked
* Preputial Gland		Inflammation	Chronic Active, Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 1-10]			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SAC DUE TO NEPHROPATHY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 234

TRT#: 7

SEX: Male

DAY ON TEST: 644

DOSE: 1.5 MG/KG

DISP: Natural Death

HISTO: 8900624

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Preputial Gland	* Prostate	* Salivary Glands	* Seminal Vesicle
* Spleen	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Brain		Astrocytoma Nos	
		Compression	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Marked
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Minimal
	Hepatocyte	Vacuolization Cytoplasmic	Minimal
* Mammary Gland	Duct	Cyst	Marked
		Hyperplasia	Cystic, Moderate
	[Cyst TGLS = 2-12]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-7]		
* Skin	SOA-No Mass	Acanthosis	Minimal
* Testes	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, BRAIN TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 235

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900625

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Epididymis	* Esophagus
* Islets, Pancreatic	* Nose	* Prostate	* Salivary Glands
* Seminal Vesicle	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Bone Marrow	Femoral	Leukemia Mononuclear	
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
	[Cataract TGLS = 1-13]		
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 5-4]		
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Artery	Inflammation	Chronic Active, Marked
	[Inflammation TGLS = 6-14]		
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 7-7]		
* Preputial Gland		Inflammation	Chronic Active, Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 235	TRT#: 7	SEX: Male	DAY ON TEST: 729
	DOSE: 1.5 MG/KG	DISP: Terminal Sacrifice	HISTO: 8900625

ORGAN AND ACCOUNTABLE SITE STATUS

* Spleen		Fibrosis	Mild
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-12]			
[Leukemia Mononuclear TGLS = 3-12]			
* Testes	Bilateral, Interstit Cell	Adenoma	
[Adenoma TGLS = 2-10]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 236

TRT#: 7

SEX: Male

DAY ON TEST: 456

DOSE: 1.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900626

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Islets, Pancreatic	* Lung	* Mammary Gland	* Nose
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Seminal Vesicle
* Spleen	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Epididymis		Aspermia	Moderate
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Inflammation	Chronic Active, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Preputial Gland		Inflammation	Chronic Active, Mild
* Prostate		Inflammation	Chronic Active, Mild
* Skin	SOA-No Mass	Acanthosis	Mild
* Testes	Germinal Epith	Degeneration	Mild
* Thymus		Depletion Lymphoid	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 237

TRT#: 7

SEX: Male

DAY ON TEST: 396

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900627

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Islets, Pancreatic	* Nose	* Parathyroid Gland	* Pituitary Gland
* Prostate	* Salivary Glands	* Thyroid Gland	* Trachea
* Urinary Bladder			

MISSING

* Thymus

OBSERVATIONS

* Epididymis		Aspermia	Moderate
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 1-12]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Moderate
		Leukemia Mononuclear	
* Preputial Gland		Inflammation	Chronic Active, Mild
* Seminal Vesicle		Atrophy	Moderate
		Leukemia Mononuclear	
* Skin	SOA-No Mass	Acanthosis	Minimal
	SOA-No Mass	Hyperkeratosis	Mild
* Spleen		Leukemia Mononuclear	
* Testes	Germinal Epith	Degeneration	Moderate
	Interstit Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO LEUKEMIA MONONUCLEAR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 238

TRT#: 7

SEX: Male

DAY ON TEST: 660

DOSE: 1.5 MG/KG

DISP: Natural Death

HISTO: 8900628

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Pituitary Gland	* Prostate	* Salivary Glands
* Seminal Vesicle	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Marked
	[Leukemia Mononuclear TGLS = 6-4]	Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Parathyroid Gland		Hyperplasia	Moderate
* Preputial Gland		Inflammation	Chronic Active, Mild
* Skin	SOA-Mass	Keratoacanthoma	
	[Keratoacanthoma TGLS = 7-14]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-12,1-13,2-13,3-13]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	Germinal Epith	Degeneration	Moderate
	[Adenoma TGLS = 4-10]		
	[Degeneration TGLS = 5-10]		

PRIMARY CAUSE OF DEATH -

Animal Note: COD, MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 239

TRT#: 7

SEX: Male

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900629

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Epididymis
* Esophagus	* Lung	* Nose	* Pancreas
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Skin
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Mild
* Islets, Pancreatic		Adenoma	
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Marked
		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
	Pars Distalis	Leukemia Mononuclear	
	[Hyperplasia TGLS = 3-7]		
* Prostate		Inflammation	Chronic Active, Minimal
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-12]		
* Testes	Bilateral, Interstit Cell	Adenoma	
	[Adenoma TGLS = 1-10]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 240

TRT#: 7

SEX: Male

DAY ON TEST: 425

DOSE: 1.5 MG/KG

DISP: Natural Death

HISTO: 8900630

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Epididymis	* Esophagus
* Islets, Pancreatic	* Lung	* Pancreas	* Parathyroid Gland
* Preputial Gland	* Salivary Glands	* Seminal Vesicle	* Spleen
* Thyroid Gland	* Trachea	* Urinary Bladder	

MISSING

* Nose

OBSERVATIONS

* Brain		Compression	Mild
		Hydrocephalus	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Inflammation	Chronic Active, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-7]		
* Prostate		Inflammation	Chronic Active, Mild
* Skin	SOA-No Mass	Acanthosis	Moderate
		Cyst Epithelial Inclusion	
	SOA-No Mass, Sebaceous GI	Hyperplasia	Mild
	[Acanthosis TGLS = 3-12]		
	[Cyst Epithelial Inclusion TGLS = 2-13]		
* Testes	Interstit Cell	Hyperplasia	Mild
* Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 241	TRT#: 2	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 8900631

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary	Periovarn Tiss	Cyst	
[Cyst TGLS = 1-10,2-10]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 242 **TRT#:** 2 **SEX:** Female **DAY ON TEST:** 724
DOSE: 0 MG/KG **DISP:** Moribund Sacrifice **HISTO:** 8900632

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Islets, Pancreatic
* Nose	* Pancreas	* Skin	* Trachea
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Brain		Compression	Mild
* Clitoral Gland		Hyperplasia	Marked
[Hyperplasia TGLS = 1-13]			
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 6-1]			
* Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4,8-4]		Necrosis	Mild
[Necrosis TGLS = 7-12]			
* Lung		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 9-2,9-3]			
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary	Follicle	Cyst	
[Cyst TGLS = 4-10]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Leukemia Mononuclear	
[Adenoma TGLS = 10-7]			
* Salivary Glands		Leukemia Mononuclear	
* Spleen		Fibrosis	Moderate
[Fibrosis TGLS = 3-1]		Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 242	TRT#: 2	SEX: Female	DAY ON TEST: 724
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900632

ORGAN AND ACCOUNTABLE SITE STATUS

[Leukemia Mononuclear TGLS = 2-11]			
* Stomach, Forestomach		Ulcer	Moderate
[Ulcer TGLS = 11-6]			
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Urinary Bladder		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 243

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 648
HISTO: 8900633

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Islets, Pancreatic	* Nose	* Ovary	* Salivary Glands
* Skin	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Adrenal Medulla		Hyperplasia	Mild
* Brain		Compression	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4]		
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Thrombosis	
* Mammary Gland		Adenoma	
	[Adenoma TGLS = 1-11]	Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
		Necrosis	Mild
	[Leukemia Mononuclear TGLS = 3-7]		
	[Necrosis TGLS = 3-7]		
* Spleen		Leukemia Mononuclear	
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO PITUITARY MASS AND LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 244

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 8900634

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Compression	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-11]			
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 2-12]			
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-7]			
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 1-13]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 245	TRT#: 2	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 8900635

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Ovary	* Salivary Glands
* Skin	* Spleen	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	[Basophilic Focus TGLS = 1-11,2-12]		
	[Hepatodiaphragmatic Nodule TGLS = 3-13]		
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	
* Nose	Sinus	Foreign Body	Mild
	Mucosa	Inflammation	Chronic Active, Moderate
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 246	TRT#: 2	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 8900636

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Salivary Glands	* Skin	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Bone	Femur	Hyperostosis	
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-7]			
* Spleen		Leukemia Mononuclear	
* Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 247

TRT#: 2

SEX: Female

DAY ON TEST: 572

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 8900637

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Heart
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 4-10]			
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Minimal
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 1-11]		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 248

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900638

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Lung
* Nose	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Mineralization	Mild
* Liver		Hepatodiaphragmatic Nodule	Multiple
[Hepatodiaphragmatic Nodule TGLS = 1-11,3-12]			
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary	Periovarn Tiss	Cyst	
[Cyst TGLS = 2-10]			
* Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 249	TRT#: 2	SEX: Female	DAY ON TEST: 696
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900639

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Salivary Glands	* Skin	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Brain		Compression	Moderate
		Hydrocephalus	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
	[Nephropathy TGLS = 3-1]		
* Liver		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 2-13]	Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-12]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-11]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO PITUITARY MASS & NEPHROPATHY

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 250

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900640

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Liver
* Lung	* Mammary Gland	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Mineralization	Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 251

TRT#: 2

SEX: Female

DAY ON TEST: 519

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900641

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Heart	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Thymus

OBSERVATIONS

* Brain		Compression	Mild
		Hydrocephalus	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
[Basophilic Focus TGLS = 1-4]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-7]			
* Stomach, Forestomach		Ulcer	Moderate
[Ulcer TGLS = 3-11]			

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 252	TRT#: 2	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 8900642

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain		Compression	Mild
		Hydrocephalus	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 4-4]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Moderate
[Fibroadenoma TGLS = 1-11,2-12]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-7]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 253

TRT#: 2

SEX: Female

DAY ON TEST: 724

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900643

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Heart	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Brain		Carcinoma Compression Hydrocephalus	Metastatic (Pituitary Gland) Moderate Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver	Hepatocyte	Basophilic Focus Clear Cell Focus Vacuolization Cytoplasmic	Mild
	[Basophilic Focus TGLS = 5-12]		
	[Clear Cell Focus TGLS = 4-4,6-11]		
* Mammary Gland		Adenoma Hyperplasia	Multiple Cystic, Mild
	[Adenoma TGLS = 1-14,2-13]		
* Pituitary Gland	Pars Distalis	Carcinoma	
	[Carcinoma TGLS = 7-7]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MAMMARY TUMORS

Animal Note: MORIBUND SAC DUE TO PITUITARY MASS, AND

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 254

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900644

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Kidney
* Lung	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-12]			
* Mammary Gland		Hyperplasia	Cystic, Mild
Mesentery	Fat	Liposarcoma	
[Liposarcoma TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Skin	Subcut Tiss	Lipoma	
[Lipoma TGLS = 1-13]			
* Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 255	TRT#: 2	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 8900645

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Islets, Pancreatic
* Lung	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Compression	Moderate
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-10]			
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
[Cataract TGLS = 1-12]			
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Hepatodiaphragmatic Nodule TGLS = 3-11]			
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 256

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900646

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland	Duct	Ectasia	Moderate
		Inflammation	Chronic Active, Mild
[Ectasia TGLS = 1-10]			
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
[Hyperplasia TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 257

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 176
HISTO: 8900647

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Liver
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

Harderian Gland		Inflammation	Chronic Active, Mild
* Kidney		Mineralization	Mild
* Lung	Perivascular	Inflammation	Chronic, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, UNDETERMINED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 258	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 8900648
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Lung
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild

[Hyperplasia TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 259

TRT#: 2

SEX: Female

DAY ON TEST: 649

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 8900649

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Lung
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Eosinophilic Focus	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
[Fibroadenoma TGLS = 1-12]			
[Hyperplasia TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-7]			

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 260

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST: 456
HISTO: 8900650

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Heart	* Islets, Pancreatic	* Liver	* Lung
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Adenoma	
	Duct	Cyst	
		Inflammation	Chronic Active, Moderate
[Adenoma TGLS = 1-11]			
[Cyst TGLS = 2-12]			
* Kidney		Nephropathy	Chronic, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Thymus		Depletion Lymphoid	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 261	TRT#: 2	SEX: Female	DAY ON TEST: 610
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900651

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Islets, Pancreatic	* Kidney	* Nose	* Pancreas
* Salivary Glands	* Skin	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Bone Marrow	Femoral	Leukemia Mononuclear	
* Heart		Degeneration	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
	[Leukemia Mononuclear TGLS = 2-4]	Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-13,4-11]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-13,4-11]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-13,4-11]		
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary	Follicle	Cyst	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	[Hyperplasia TGLS = 5-7]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-12]		
* Thymus		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Minimal

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 262	TRT#: 2	SEX: Female	DAY ON TEST: 644
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 8900652

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart	Degeneration	Chronic, Minimal
* Kidney	Nephropathy	Chronic, Minimal
* Liver	Angiectasis	Minimal
[Angiectasis TGLS = 1-11]		
* Mammary Gland	Hyperplasia	Cystic, Mild
* Parathyroid Gland	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: COD, UNDETERMINED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 263	TRT#: 2	SEX: Female	DAY ON TEST: 642
	DOSE: 0 MG/KG	DISP: Natural Death	HISTO: 8900653

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Kidney
* Lung	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Pituitary Gland	* Salivary Glands	* Skin
* Spleen	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

Eye	Retina	Atrophy	Marked
	Lens	Cataract	Moderate
[Atrophy TGLS = 3-13]			
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 1-11,2-12]			
* Mammary Gland		Hyperplasia	Cystic, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, UNDETERMINED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 264

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900654

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Lung	* Ovary
* Salivary Glands	* Skin	* Spleen	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 1-4,2-11]			
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Mucosa	Inflammation	Chronic Active, Minimal
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 265

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900655

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Lung
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
[Cataract TGLS = 1-11]			
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 266

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900656

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Liver	* Lung
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Degeneration	Chronic, Minimal
* Kidney		Mineralization	Moderate
		Nephropathy	Chronic, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Cyst	
* Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 267

TRT#: 2

SEX: Female

DAY ON TEST: 456

DOSE: 0 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900657

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Lung
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Mineralization	Mild
* Liver		Inflammation	Chronic Active, Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-11, FOCUS NOT APPARENT ON MICRO

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 268

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900658

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Salivary Glands	* Skin	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Marked
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-4]		
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-11]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 269	TRT#: 2	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 8900659

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Clitoral Gland	* Esophagus	* Heart
* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone	Femur	Hyperostosis	
* Brain		Compression	Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Mild
		[Hepatodiaphragmatic Nodule TGLS = 2-12]	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
		[Fibroadenoma TGLS = 4-11]	
* Ovary	Periovarn Tiss	Cyst	
		[Cyst TGLS = 1-10]	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	Multiple
		[Adenoma TGLS = 3-7]	

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 270

TRT#: 2

SEX: Female

DAY ON TEST: 633

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900660

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Pancreas	* Salivary Glands
* Skin	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Adrenal Medulla		Hyperplasia	Mild
Eye		Leukemia Mononuclear	
[Phthisis Bulbi TGLS = 1-11]		Phthisis Bulbi	
* Heart		Degeneration	Chronic, Mild
* Intestine Small, Jejunum	Peyers Patch	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-13]			
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Minimal
[Leukemia Mononuclear TGLS = 3-4]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Lymph Node, Mesenteric		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-14]			
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Sinus	Foreign Body	Moderate
	Mucosa	Inflammation	Chronic Active, Moderate
* Ovary		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Leukemia Mononuclear	

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 270

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 633
HISTO: 8900660

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 6-7]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 2-12]

* Thyroid Gland

C Cell

Hyperplasia

Minimal

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 271

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 8900661

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 5-1]			
* Liver	Hepatocyte	Eosinophilic Focus	Mild
* Mammary Gland		Vacuolization Cytoplasmic	Multiple
[Fibroadenoma TGLS = 1-11,2-12]		Fibroadenoma	Cystic, Moderate
		Hyperplasia	
* Ovary	Periovarn Tiss	Cyst	
[Cyst TGLS = 3-10]			
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 272

TRT#: 2

DOSE: 0 MG/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 554

HISTO: 8900662

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Heart	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Salivary Glands	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Brain		Compression	Mild
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
[Atrophy TGLS = 2-12]			
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-11]			

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 273

TRT#: 2

SEX: Female

DAY ON TEST: 720

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900663

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Islets, Pancreatic	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Skin	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone Marrow	Femoral	Leukemia Mononuclear	
* Heart	Atrium	Thrombosis	
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
[Fibroadenoma TGLS = 1-12]			
Mesentery	Fat	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 3-11]			
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
	Pars Distalis	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-7]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 274	TRT#: 2	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 8900664

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Mild
	[Leukemia Mononuclear TGLS = 2-4]	Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-12]		
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 3-13]		

PRIMARY CAUSE OF DEATH -

Animal Note: TGL4-11, NODULE IS ACCESSORY SPLEEN ON MICRO

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 275

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Moribund Sacrifice

DAY ON TEST: 485
HISTO: 8900665

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Islets, Pancreatic	* Nose	* Pituitary Gland
* Salivary Glands	* Skin	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Femoral	Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
* Liver	Hepatocyte	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 7-4]	Vacuolization Cytoplasmic	Marked
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	Pancreatic	Leukemia Mononuclear	
	Renal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-16,3-14,4-6,5-11]		
	[Leukemia Mononuclear TGLS = 2-16,3-14,4-6,5-11]		
	[Leukemia Mononuclear TGLS = 2-16,3-14,4-6,5-11]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-16,3-14,4-6,5-11]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-16,3-14,4-6,5-11]		
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Ovary		Leukemia Mononuclear	
* Pancreas		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-12,1-13]		
* Stomach, Forestomach		Ulcer	Moderate
	[Ulcer TGLS = 8-6]		

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 275

TRT#: 2

SEX: Female

DAY ON TEST: 485

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900665

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Glandular

Necrosis

Mild

* Thymus

Leukemia Mononuclear

* Uterus

Polyp Stromal

[Polyp Stromal TGLS = 6-15]

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 276

TRT#: 2

SEX: Female

DAY ON TEST: 595

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 8900666

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Kidney
* Lung	* Ovary	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Liver	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 1-11]			
* Nose	Vomeronas Org	Squamous Cell Carcinoma	
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, NASAL CARCINOMA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 277	TRT#: 2	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 8900667

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Salivary Glands	* Skin	* Spleen	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Clitoral Gland		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Cyst	
	[Cyst TGLS = 5-1]	Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	[Eosinophilic Focus TGLS = 3-4,2-11]	Eosinophilic Focus	
		Inflammation	Granulomatous, Mild
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 1-12]	Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 4-7]		
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 278

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 8900668

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain		Compression	Moderate
		Hydrocephalus	Moderate
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Marked
[Vacuolization Cytoplasmic TGLS = 3-11]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 2-13]			
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-7]			
* Stomach, Forestomach		Ulcer	Moderate
[Ulcer TGLS = 4-12]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 279

TRT#: 2

SEX: Female

DAY ON TEST: 645

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 8900669

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Heart	* Islets, Pancreatic	* Lung	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Thymus

OBSERVATIONS

* Brain		Compression	Moderate
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Inflammation	Granulomatous, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Nose	Nares	Squamous Cell Papilloma	
[Squamous Cell Papilloma TGLS = 2-11]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 280

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900670

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Heart	* Islets, Pancreatic	* Lung	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain		Compression	Mild
		Hydrocephalus	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Sinus	Foreign Body	Mild
	Mucosa	Inflammation	Chronic Active, Moderate
* Ovary	Follicle	Cyst	
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	Bilateral, C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 281

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 526
HISTO: 8900671

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Kidney
* Liver	* Lung	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, UNDETERMINED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 282

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900672

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Islets, Pancreatic	* Liver	* Lung	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Degeneration Hyperplasia	Cystic, Mild Mild
* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland [Hyperplasia TGLS = 1-10]		Hyperplasia	Moderate
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Mammary Gland [Adenoma TGLS = 3-12] [Fibroadenoma TGLS = 2-11]		Adenoma Fibroadenoma Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Minimal
* Pituitary Gland [Adenoma TGLS = 4-7]	Pars Distalis	Adenoma	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 283	TRT#: 2	SEX: Female	DAY ON TEST: 667
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900673

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Heart
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Bone Marrow	Femoral	Leukemia Mononuclear Compression	Mild
* Brain		Nephropathy	Chronic, Mild
* Kidney		Clear Cell Focus	
* Liver		Eosinophilic Focus	
* Mammary Gland		Leukemia Mononuclear	
* Pituitary Gland	Pars Distalis	Hyperplasia Adenoma	Cystic, Marked
[Adenoma TGLS = 1-7]			
* Skin	SOA-No Mass	Acanthosis	Moderate
[Acanthosis TGLS = 3-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-11]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO PITUITARY MASS & LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 284

TRT#: 2

SEX: Female

DAY ON TEST: 719

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900674

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Nose	* Ovary
* Salivary Glands	* Skin	* Thymus	* Trachea
* Urinary Bladder			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Marked
* Adrenal Medulla		Hyperplasia	Mild
* Heart	Atrium	Thrombosis	
	[Thrombosis TGLS = 8-4]		
* Intestine Small, Duodenum		Ulcer	Moderate
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
	[Leukemia Mononuclear TGLS = 3-4]	Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Pancreatic	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 6-13]		
* Mammary Gland		Fibroadenoma	
	[Fibroadenoma TGLS = 10-14]	Hyperplasia	Cystic, Moderate
* Pancreas		Leukemia Mononuclear	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-7]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-11,5-1]		
* Thyroid Gland	C Cell	Adenoma	
	[Adenoma TGLS = 9-7]		
* Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Marked

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 284	TRT#: 2	SEX: Female	DAY ON TEST: 719
	DOSE: 0 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900674

ORGAN AND ACCOUNTABLE SITE STATUS

[Hyperplasia TGLS = 4-10]			
Vagina	Lumen	Hemorrhage	Marked
[Hemorrhage TGLS = 7-12]			

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 285

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900675

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Salivary Glands	* Skin	* Spleen	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Medulla		Pheochromocytoma Benign	
* Clitoral Gland		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary	Follicle	Cyst	
	Periovarn Tiss	Cyst	
[Cyst TGLS = 2-10]			
[Cyst TGLS = 2-10]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 286	TRT#: 2	SEX: Female	DAY ON TEST: 731
	DOSE: 0 MG/KG	DISP: Terminal Sacrifice	HISTO: 8900676

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Salivary Glands	* Skin	* Spleen	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-11]			
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
[Cataract TGLS = 1-12]			
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 287

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 8900677

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain		Compression	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 2-1]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
[Fibroadenoma TGLS = 5-12]			
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-7]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-11]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 288

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST: 456
HISTO: 8900678

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Liver
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Thymus

OBSERVATIONS

* Kidney		Mineralization	Moderate
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Ovary	Periovarn Tiss	Cyst	
[Cyst TGLS = 2-10]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 289

TRT#: 2

SEX: Female

DAY ON TEST: 731

DOSE: 0 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900679

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Kidney		Nephropathy	Chronic, Mild
[Nephropathy TGLS = 1-1]			
* Liver		Inflammation	Granulomatous, Mild
* Lung		Carcinoma	Metastatic (Thyroid Gland)
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-7]	Pars Distalis	Cyst	
* Thyroid Gland	C Cell	Adenoma	
[Carcinoma TGLS = 3-7]	C Cell	Carcinoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 290	TRT#: 2 DOSE: 0 MG/KG	SEX: Female DISP: Terminal Sacrifice	DAY ON TEST: 731 HISTO: 8900680
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ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Spleen	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Medulla		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Angiectasis	Moderate
		Basophilic Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Mild
[Angiectasis TGLS = 4-11]			
[Eosinophilic Focus TGLS = 7-4,6-12]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Moderate
[Fibroadenoma TGLS = 1-14,2-13]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-7]			
* Thyroid Gland	C Cell	Adenoma	
	C Cell	Hyperplasia	Mild
[Adenoma TGLS = 5-7]			

PRIMARY CAUSE OF DEATH

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 291

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 718
HISTO: 8900681

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Islets, Pancreatic	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex [Leukemia Mononuclear TGLS = 4-7]		Leukemia Mononuclear	
* Bone Marrow	Femoral	Leukemia Mononuclear	
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver [Leukemia Mononuclear TGLS = 2-4]		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland [Fibroadenoma TGLS = 5-13]		Fibroadenoma Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
* Spleen [Leukemia Mononuclear TGLS = 3-11]		Leukemia Mononuclear	
* Stomach, Forestomach		Ulcer	Moderate
* Thymus		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH -

Animal Note: TGL5-13, IS MAMMARY TUMOR, NOT SKIN MASS

Animal Note: COD, MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 292	TRT#: 2	SEX: Female	DAY ON TEST: 456
	DOSE: 0 MG/KG	DISP: Scheduled Sacrifice	HISTO: 8900682

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Liver
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Mineralization	Mild
		Nephropathy	Chronic, Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Ovary	Periovarn Tiss	Cyst	
[Cyst TGLS = 1-10]			
* Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 293

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 731
HISTO: 8900683

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain		Carcinoma	Metastatic (Pituitary Gland)
		Compression	Mild
		Hydrocephalus	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
[Eosinophilic Focus TGLS = 3-4]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
[Fibroadenoma TGLS = 1-11]			
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 2-7]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 294

TRT#: 2

SEX: Female

DAY ON TEST: 603

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900684

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	Peripheral Nerve
* Pituitary Gland	* Salivary Glands	* Skin	Spinal Cord
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Necrosis	Moderate
Blood	Erythrocyte	Atypia Cellular	
* Bone Marrow	Femoral	Myelofibrosis	Moderate
* Heart	Atrium	Thrombosis	
* Intestine Small, Duodenum		Ulcer	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Hepatocyte	Vacuolization Cytoplasmic	Marked
[Vacuolization Cytoplasmic TGLS = 3-4]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Ovary	Periovarn Tiss	Cyst	
[Cyst TGLS = 2-10]			
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Spleen		Hematopoietic Cell Proliferation	Moderate
* Stomach, Forestomach		Ulcer	Moderate
[Ulcer TGLS = 4-15]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO ANEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 295

TRT#: 2

SEX: Female

DAY ON TEST: 722

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 8900685

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Islets, Pancreatic	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Spleen	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	Moderate
		Hemorrhage	Mild
		Hydrocephalus	Moderate
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 4-4,3-12,2-13]			
* Lung		Inflammation	Chronic Active, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
[Fibroadenoma TGLS = 1-14]			
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 5-7]			
* Skin		Basosquamous Tumor Benign	
[Basosquamous Tumor Benign TGLS = 6-11]			

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PITUITARY MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:21

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 296

TRT#: 2

SEX: Female

DAY ON TEST: 642

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 8900686

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Islets, Pancreatic
* Lung	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

MISSING

* Clitoral Gland

OBSERVATIONS

* Brain		Compression	Moderate
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	

[Adenoma TGLS = 1-7]

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 297

TRT#: 2

SEX: Female

DAY ON TEST: 515

DOSE: 0 MG/KG

DISP: Natural Death

HISTO: 8900687

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Islets, Pancreatic
* Lung	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain		Compression	Moderate
* Clitoral Gland		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Minimal
		Inflammation	Granulomatous, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-7]			
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 298

TRT#: 2
DOSE: 0 MG/KG

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST: 456
HISTO: 8900688

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Lung
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Skin	* Spleen	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney		Mineralization	Moderate
* Liver		Hepatodiaphragmatic Nodule Inflammation	Chronic Active, Mild
[Hepatodiaphragmatic Nodule TGLS = 1-4]			
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Submucosa	Inflammation	Chronic, Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 299 TRT#: 2 SEX: Female DAY ON TEST: 709
DOSE: 0 MG/KG DISP: Natural Death HISTO: 8900689

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

Blood	* Bone	* Bone Marrow	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland	* Thymus
---------------------	----------

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Brain		Compression	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Eosinophilic Focus	
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-4]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-7]			
* Skin	SOA-No Mass	Acanthosis	Minimal
	SOA-No Mass, Sebaceous GI	Hyperplasia	Minimal
[Acanthosis TGLS = 5-11,4-13]			
[Hyperplasia TGLS = 5-11]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, MONONUCLEAR CELL LEUKEMIA & PITUITARY MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 300

TRT#: 2

SEX: Female

DAY ON TEST: 612

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900690

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Islets, Pancreatic	* Nose	* Ovary
* Salivary Glands	* Skin	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Necrosis	Moderate
* Adrenal Medulla		Leukemia Mononuclear	
* Bone Marrow	Femoral	Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Mild
	Hepatocyte	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 3-4]	Vacuolization Cytoplasmic	Moderate
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-11,4-2]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-11,4-2]		
* Lymph Node, Mesenteric		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 2-11,4-2]		
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-12]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 300

TRT#: 2

SEX: Female

DAY ON TEST: 612

DOSE: 0 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900690

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 301

TRT#: 4

SEX: Female

DAY ON TEST: 710

DOSE: .15 MG/KG

DISP: Natural Death

HISTO: 8900931

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 302

TRT#: 4

SEX: Female

DAY ON TEST: 551

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900932

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 303

TRT#: 4

SEX: Female

DAY ON TEST: 602

DOSE: .15 MG/KG

DISP: Natural Death

HISTO: 8900933

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 304

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: .15 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900934

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 305

TRT#: 4

SEX: Female

DAY ON TEST: 530

DOSE: .15 MG/KG

DISP: Natural Death

HISTO: 8900935

OBSERVATIONS

* Skin

SOA-No Mass

Acanthosis

Moderate

SOA-No Mass, Sebaceous GI

Hyperplasia

Moderate

SOA-No Mass

Ulcer

Moderate

[Ulcer TGLS = 3-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 306

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900936

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 307

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900937

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 308

TRT#: 4

SEX: Female

DAY ON TEST: 696

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900938

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 309

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900939

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 310

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900940

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 311

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900941

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 312

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900942

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 313

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900943

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 314

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900944

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 315

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900945

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 316

TRT#: 4

SEX: Female

DAY ON TEST: 659

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900946

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 317

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: .15 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900947

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 318

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900948

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 319

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900949

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 320

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: .15 MG/KG

DISP: Natural Death

HISTO: 8900950

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 321

TRT#: 4

SEX: Female

DAY ON TEST: 638

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900951

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL3, IS MAMMARY TUMOR, MOVED TO PAGE ONE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 322

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900952

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 323

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900953

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 324

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900954

OBSERVATIONS

* Skin

SOA-No Mass

Acanthosis

Marked

SOA-No Mass, Sebaceous GI

Hyperplasia

Mild

[Acanthosis TGLS = 1-11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 325

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900955

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:21
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 326

TRT#: 4

SEX: Female

DAY ON TEST: 538

DOSE: .15 MG/KG

DISP: Natural Death

HISTO: 8900956

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 327

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900957

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 328

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: .15 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900958

OBSERVATIONS

* Skin

SOA-No Mass

Acanthosis

Moderate

SOA-No Mass, Sebaceous GI

Hyperplasia

Mild

SOA-No Mass

Ulcer

Mild

[Acanthosis TGLS = 1-11]

[Ulcer TGLS = 1-11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 329

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900959

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 330

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900960

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 331

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900961

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 332

TRT#: 4

SEX: Female

DAY ON TEST: 393

DOSE: .15 MG/KG

DISP: Natural Death

HISTO: 8900962

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 333

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900963

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 334

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900964

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 335

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: .15 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900965

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 336

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900966

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 337

TRT#: 4

SEX: Female

DAY ON TEST: 366

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900967

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 338

TRT#: 4

SEX: Female

DAY ON TEST: 612

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900968

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 339

TRT#: 4

SEX: Female

DAY ON TEST: 633

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900969

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 340

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900970

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 341

TRT#: 4

SEX: Female

DAY ON TEST: 680

DOSE: .15 MG/KG

DISP: Natural Death

HISTO: 8900971

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 342

TRT#: 4

SEX: Female

DAY ON TEST: 582

DOSE: .15 MG/KG

DISP: Natural Death

HISTO: 8900972

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 343

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900973

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 344

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: .15 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900974

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 345

TRT#: 4

SEX: Female

DAY ON TEST: 612

DOSE: .15 MG/KG

DISP: Natural Death

HISTO: 8900975

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 346

TRT#: 4

SEX: Female

DAY ON TEST: 730

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900976

OBSERVATIONS

* Skin

Control

Acanthosis

Mild

Control, Sebaceous GI

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 347

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900977

OBSERVATIONS

* Skin

Acanthosis

Moderate

[Acanthosis TGLS = 1-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 348

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: .15 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900978

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 349

TRT#: 4

SEX: Female

DAY ON TEST: 677

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900979

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 350

TRT#: 4

SEX: Female

DAY ON TEST: 456

DOSE: .15 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900980

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 351

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900981

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 352

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900982

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 353

TRT#: 4

SEX: Female

DAY ON TEST: 727

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900983

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 354

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900984

OBSERVATIONS

* Skin

Acanthosis

Marked

[Acanthosis TGLS = 4-13]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 355

TRT#: 4

SEX: Female

DAY ON TEST: 684

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900985

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 356

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900986

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 357

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900987

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 358

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900988

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 359

TRT#: 4

SEX: Female

DAY ON TEST: 731

DOSE: .15 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900989

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 360

TRT#: 4

SEX: Female

DAY ON TEST: 519

DOSE: .15 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900990

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 361

TRT#: 6

SEX: Female

DAY ON TEST: 679

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900811

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 362

TRT#: 6

SEX: Female

DAY ON TEST: 549

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900812

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 363

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900813

OBSERVATIONS

* Skin

SOA-No Mass

Acanthosis

Moderate

SOA-No Mass, Sebaceous GI

Hyperplasia

Mild

SOA-No Mass

Ulcer

Moderate

[Ulcer TGLS = 4-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 364

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900814

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 365

TRT#: 6

SEX: Female

DAY ON TEST: 579

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900815

OBSERVATIONS

* Skin

Acanthosis

Moderate

Hyperkeratosis

Marked

[Acanthosis TGLS = 8-14]

[Hyperkeratosis TGLS = 8-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 366

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900816

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 367

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 0.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900817

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 368

TRT#: 6

SEX: Female

DAY ON TEST: 686

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900818

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 369

TRT#: 6
DOSE: 0.5 MG/KG

SEX: Female
DISP: Scheduled Sacrifice

DAY ON TEST: 456
HISTO: 8900819

OBSERVATIONS

* Skin SOA-No Mass

Acanthosis

Minimal

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 370

TRT#: 6

SEX: Female

DAY ON TEST: 533

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900820

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL2, IS A MAMMARY GLAND TUMOR ON MICRO

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 371

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 0.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900821

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 372

TRT#: 6
DOSE: 0.5 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 678
HISTO: 8900822

OBSERVATIONS

* Skin

SOA-No Mass
SOA-No Mass, Sebaceous GI

Acanthosis
Hyperplasia

Mild
Minimal

[Acanthosis TGLS = 2-14]

[Hyperplasia TGLS = 2-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 373

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 0.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900823

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 374

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900824

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 375

TRT#: 6

SEX: Female

DAY ON TEST: 632

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900825

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 376

TRT#: 6

SEX: Female

DAY ON TEST: 297

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900826

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 377

TRT#: 6
DOSE: 0.5 MG/KG

SEX: Female
DISP: Natural Death

DAY ON TEST: 708
HISTO: 8900827

OBSERVATIONS

* Skin

SOA-No Mass
SOA-No Mass, Sebaceous Gl
SOA-No Mass

Acanthosis
Hyperplasia
Ulcer

Moderate
Mild
Moderate

[Ulcer TGLS = 2-11]

PRIMARY CAUSE OF DEATH

-

Animal Note: MOVED TO PAGE ONE

Animal Note: TGL1, IS CLITORAL GLAND TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 378

TRT#: 6

SEX: Female

DAY ON TEST: 610

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900828

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 379

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900829

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 380

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900830

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 381

TRT#: 6

SEX: Female

DAY ON TEST: 729

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900831

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 382

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900832

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 383

TRT#: 6

SEX: Female

DAY ON TEST: 606

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900833

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 384

TRT#: 6

SEX: Female

DAY ON TEST: 712

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900834

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL4 AND 5 ARE MAMMARY GLAND TUMORS, MOVED

Animal Note: TO PAGE ONE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 385

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900835

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 386

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900836

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 387

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 0.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900837

OBSERVATIONS

* Skin

SOA-No Mass

Acanthosis

Moderate

SOA-No Mass, Sebaceous GI

Hyperplasia

Mild

SOA-No Mass

Ulcer

Mild

[Acanthosis TGLS = 1-11]

[Ulcer TGLS = 1-11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 388

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 0.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900838

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 389

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 0.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900839

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 390

TRT#: 6

SEX: Female

DAY ON TEST: 581

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900840

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 391

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900841

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 392

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900842

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 393

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900843

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 394

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900844

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 395

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900845

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 396

TRT#: 6

SEX: Female

DAY ON TEST: 698

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900846

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 397

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900847

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 398

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900848

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 399

TRT#: 6

SEX: Female

DAY ON TEST: 694

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900849

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 400

TRT#: 6

SEX: Female

DAY ON TEST: 578

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900850

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 401

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900851

OBSERVATIONS

* Skin

SOA-No Mass

Acanthosis

Moderate

SOA-No Mass, Sebaceous Gl

Hyperplasia

Mild

[Acanthosis TGLS = 1-11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 402

TRT#: 6

SEX: Female

DAY ON TEST: 492

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900852

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 403

TRT#: 6

SEX: Female

DAY ON TEST: 465

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900853

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 404

TRT#: 6

SEX: Female

DAY ON TEST: 685

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900854

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 405

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900855

OBSERVATIONS

* Skin

SOA-No Mass

Acanthosis

Marked

SOA-No Mass, Sebaceous GI

Hyperplasia

Mild

Subcut Tiss

Neurofibrosarcoma

SOA-No Mass

Ulcer

Marked

[Acanthosis TGLS = 1-12]

[Neurofibrosarcoma TGLS = 2-11]

[Ulcer TGLS = 1-12]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 406

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900856

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 407

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900857

OBSERVATIONS

* Skin

Control

Acanthosis

Mild

Control, Sebaceous GI

Hyperplasia

Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 408

TRT#: 6

SEX: Female

DAY ON TEST: 579

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900858

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 409

TRT#: 6

SEX: Female

DAY ON TEST: 720

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900859

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 410

TRT#: 6

SEX: Female

DAY ON TEST: 704

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900860

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 411

TRT#: 6

SEX: Female

DAY ON TEST: 565

DOSE: 0.5 MG/KG

DISP: Natural Death

HISTO: 8900861

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 412

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900862

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 413

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 0.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900863

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 414

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900864

OBSERVATIONS

* Skin [Trichoepithelioma TGLS = 1-11] Trichoepithelioma

PRIMARY CAUSE OF DEATH -

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 415

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900865

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1, IS A MAMMARY TUMOR, MOVED TO PAGE ONE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 416

TRT#: 6

SEX: Female

DAY ON TEST: 668

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900866

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 417

TRT#: 6

SEX: Female

DAY ON TEST: 725

DOSE: 0.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900867

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 418

TRT#: 6

SEX: Female

DAY ON TEST: 456

DOSE: 0.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900868

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 419

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900869

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Skin

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 420

TRT#: 6

SEX: Female

DAY ON TEST: 730

DOSE: 0.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900870

OBSERVATIONS

* Skin

SOA-No Mass

Acanthosis

Moderate

SOA-No Mass, Sebaceous Gl

Hyperplasia

Minimal

[Acanthosis TGLS = 1-11]

[Hyperplasia TGLS = 1-11]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 421

TRT#: 8
DOSE: 1.5 MG/KG

SEX: Female
DISP: Terminal Sacrifice

DAY ON TEST: 729
HISTO: 8900691

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Heart	* Islets, Pancreatic	* Nose	* Salivary Glands
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland	* Thymus
---------------------	----------

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 2-4]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Ovary	Periovarn Tiss	Cyst	
[Cyst TGLS = 3-10]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Marked
[Hyperplasia TGLS = 4-7]			
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous GI	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Mild
[Ulcer TGLS = 5-12]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-11]			
* Thyroid Gland	C Cell	Hyperplasia	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 421

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900691

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 422

TRT#: 8

SEX: Female

DAY ON TEST: 668

DOSE: 1.5 MG/KG

DISP: Natural Death

HISTO: 8900692

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Salivary Glands	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary [Cyst TGLS = 3-10,4-10]	Periovarn Tiss	Cyst	
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland [Adenoma TGLS = 1-7,2-7]	Pars Distalis	Adenoma	
* Skin	SOA-No Mass	Acanthosis	Mild
	SOA-No Mass, Sebaceous GI	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PITUITARY MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 423

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900693

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland [Hyperplasia TGLS = 3-13]		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
* Mammary Gland [Fibroadenoma TGLS = 1-12,2-11]		Fibroadenoma Hyperplasia	Multiple Cystic, Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland [Adenoma TGLS = 4-7]	Pars Distalis	Adenoma	
* Skin [Acanthosis TGLS = 5-14] [Ulcer TGLS = 5-14]	SOA-No Mass SOA-No Mass, Sebaceous GI SOA-No Mass	Acanthosis Hyperplasia Ulcer	Marked Mild Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 424

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900694

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Islets, Pancreatic	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Skin	* Thymus
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
[Fibroadenoma TGLS = 1-12]			
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-7]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 2-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 425

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900695

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Parathyroid Gland	* Salivary Glands	* Spleen	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 1-11]			
* Ovary	Periovarn Tiss	Cyst	
[Cyst TGLS = 2-10]			
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-7]			
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Minimal
[Acanthosis TGLS = 4-12]			
[Ulcer TGLS = 4-12]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 426

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900696

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Islets, Pancreatic	* Nose	* Salivary Glands	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hypertrophy	Mild
* Clitoral Gland		Hyperplasia	Marked
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
Lymph Node	Mediastinal	Leukemia Mononuclear	
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 2-12]			
* Ovary	Periovarn Tiss	Cyst	
[Cyst TGLS = 5-10]			
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-7]			
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Mild
[Acanthosis TGLS = 4-13]			
[Ulcer TGLS = 4-13]			
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-11]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 426

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900696

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 427

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 1.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900697

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Lung
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Kidney		Mineralization	Moderate
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 3-12]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
Mesentery	Fat	Inflammation	Chronic Active, Mild
[Inflammation TGLS = 2-11]			
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
[Acanthosis TGLS = 1-13]			
* Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 428

TRT#: 8

SEX: Female

DAY ON TEST: 587

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900698

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Pancreas	Peripheral Nerve	* Salivary Glands	Spinal Cord
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Bone Marrow	Femoral	Leukemia Mononuclear	
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Moderate
	[Atrophy TGLS = 4-12]		
* Heart	Atrium	Thrombosis	
* Kidney		Nephropathy	Chronic, Minimal
* Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Hypertrophy	Focal, Moderate
		Leukemia Mononuclear	
	[Hypertrophy TGLS = 5-11]		
	[Leukemia Mononuclear TGLS = 3-4]		
* Lymph Node, Mandibular		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
* Skin	SOA-No Mass	Acanthosis	Moderate
	[Acanthosis TGLS = 6-19]		
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
	[Fibrosis TGLS = 1-18,2-17]		
* Stomach, Forestomach		Ulcer	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 428

TRT#: 8

SEX: Female

DAY ON TEST: 587

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900698

ORGAN AND ACCOUNTABLE SITE STATUS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 429

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900699

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Marked
	[Cataract TGLS = 1-12]		
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Hepatocyte	Hepatodiaphragmatic Nodule	
	[Eosinophilic Focus TGLS = 5-4]	Vacuolization Cytoplasmic	Mild
	[Hepatodiaphragmatic Nodule TGLS = 4-11]		
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Moderate
	[Fibroadenoma TGLS = 2-14,3-13]		
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 6-7]		
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
	[Acanthosis TGLS = 7-15]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 430	TRT#: 8	SEX: Female	DAY ON TEST: 456
	DOSE: 1.5 MG/KG	DISP: Scheduled Sacrifice	HISTO: 8900700

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Lung
* Mammary Gland	* Nose	* Ovary	* Pituitary Gland
* Salivary Glands	* Spleen	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Mineralization	Mild
		Nephropathy	Chronic, Minimal
* Liver		Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Mild
* Skin	SOA-No Mass	Acanthosis	Mild
	SOA-No Mass	Erosion	Focal, Mild
	SOA-No Mass, Sebaceous GI	Hyperplasia	Mild
	[Acanthosis TGLS = 1-11]		
* Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 431

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900701

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Islets, Pancreatic	* Lung	* Nose
* Salivary Glands	* Spleen	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Bone	Femur	Hyperostosis	
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Clear Cell Focus	
* Mammary Gland		Fibroma	
		Hyperplasia	Cystic, Moderate
	[Fibroma TGLS = 1-11]		
* Ovary	Periovarn Tiss	Cyst	
	[Cyst TGLS = 2-10]		
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Minimal
	[Acanthosis TGLS = 3-12]		
	[Ulcer TGLS = 3-12]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 432	TRT#: 8	SEX: Female	DAY ON TEST: 456
	DOSE: 1.5 MG/KG	DISP: Scheduled Sacrifice	HISTO: 8900702

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Pancreas	* Parathyroid Gland	* Salivary Glands
* Spleen	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Thymus

OBSERVATIONS

* Heart		Degeneration	Chronic, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Chronic Active, Mild
	[Hepatodiaphragmatic Nodule TGLS = 2-11]		
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Skin	SOA-No Mass	Acanthosis	Mild
	SOA-No Mass, Sebaceous GI	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Mild
	[Acanthosis TGLS = 1-12]		
	[Ulcer TGLS = 1-12]		

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 433

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900703

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Lung	* Pancreas
* Salivary Glands	* Spleen	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
	Bile Duct	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Nose	Sinus	Foreign Body	Mild
	Mucosa	Inflammation	Chronic Active, Moderate
* Ovary	Follicle	Cyst	
	[Cyst TGLS = 1-10]		
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin		Basosquamous Tumor Malignant	
	[Basosquamous Tumor Malignant TGLS = 2-11]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 434	TRT#: 8	SEX: Female	DAY ON TEST: 456
	DOSE: 1.5 MG/KG	DISP: Scheduled Sacrifice	HISTO: 8900704

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Liver	* Lung
* Mammary Gland	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Spleen	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Degeneration	Chronic, Minimal
* Kidney		Mineralization	Minimal
		Nephropathy	Chronic, Minimal
* Ovary	Periovarn Tiss	Cyst	
[Cyst TGLS = 2-10]			
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Moderate
[Acanthosis TGLS = 1-11]			
[Ulcer TGLS = 1-11]			
* Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 435

TRT#: 8

SEX: Female

DAY ON TEST: 634

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900705

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Esophagus	* Islets, Pancreatic
* Lung	* Nose	* Pancreas	Peripheral Nerve
* Salivary Glands	* Skin	Spinal Cord	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Adenoma	
		Necrosis	Moderate
* Adrenal Medulla	Bilateral	Pheochromocytoma Benign	
	[Pheochromocytoma Benign TGLS = 3-7]		
* Bone Marrow	Femoral	Leukemia Mononuclear	
* Clitoral Gland	Duct	Ectasia	Moderate
* Heart	Atrium	Thrombosis	
	[Thrombosis TGLS = 5-16]		
* Kidney		Nephropathy	Chronic, Mild
	[Nephropathy TGLS = 4-1]		
* Liver	Bile Duct	Hyperplasia	Moderate
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Leukemia Mononuclear TGLS = 2-4]		
* Mammary Gland		Hyperplasia	Cystic, Marked
* Ovary	Periovarn Tiss	Cyst	
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Leukemia Mononuclear	
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-15]		
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 436

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900706

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Brain		Compression	Moderate
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Leukemia Mononuclear	
[Basophilic Focus TGLS = 4-11]			
* Mammary Gland		Carcinoma	
		Hyperplasia	Cystic, Moderate
[Carcinoma TGLS = 1-13]			
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-7]			
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Mild
[Acanthosis TGLS = 3-12]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 437

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900707

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Salivary Glands	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
	[Fibroadenoma TGLS = 1-12]		
* Ovary	Periovarn Tiss	Cyst	
	[Cyst TGLS = 2-10]		
* Pancreas	Acinus	Atrophy	Minimal
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
	[Cyst TGLS = 3-7]		
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Mild
	[Ulcer TGLS = 4-11]		
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 438	TRT#: 8	SEX: Female	DAY ON TEST: 729
	DOSE: 1.5 MG/KG	DISP: Terminal Sacrifice	HISTO: 8900708

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Lung	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Spleen
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Mild
	[Hepatodiaphragmatic Nodule TGLS = 1-4]		
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Nose	Sinus	Foreign Body	Mild
	Mucosa	Inflammation	Chronic Active, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 2-7]		
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Mild
	[Acanthosis TGLS = 3-11,3-12]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 439

TRT#: 8

SEX: Female

DAY ON TEST: 647

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900709

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Brain		Compression	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
	[Eosinophilic Focus TGLS = 5-14]		
	[Hepatodiaphragmatic Nodule TGLS = 2-13]		
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Marked
	[Fibroadenoma TGLS = 1-11]		
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-7]		
* Stomach, Forestomach		Acanthosis	Moderate
	[Acanthosis TGLS = 4-12]		

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SAC DUE TO PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 440

TRT#: 8

SEX: Female

DAY ON TEST: 680

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900710

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Brain	* Clitoral Gland	* Esophagus
* Heart	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Salivary Glands	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Bone [Osteosarcoma TGLS = 2-12]	Mandible	Osteosarcoma	
Harderian Gland [Inflammation TGLS = 3-11]		Inflammation	Chronic Active, Marked
* Kidney		Nephropathy	Chronic, Mild
* Liver		Eosinophilic Focus	
* Lymph Node, Mandibular [Osteosarcoma TGLS = 5-5]		Osteosarcoma	Metastatic (Bone)
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary [Cyst TGLS = 1-13]	Periovarn Tiss	Cyst	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin [Acanthosis TGLS = 4-14]	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO BONE TUMOR ON NOSE

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 441

TRT#: 8

SEX: Female

DAY ON TEST: 640

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900711

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Brain	* Clitoral Gland	* Esophagus
* Islets, Pancreatic	* Kidney	* Nose	* Pancreas
* Salivary Glands	* Skin	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Degeneration	Cystic, Moderate
* Bone Marrow	Femoral	Leukemia Mononuclear	
* Heart	Atrium	Thrombosis	
[Thrombosis TGLS = 6-4]			
* Liver	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Leukemia Mononuclear	
[Hepatodiaphragmatic Nodule TGLS = 4-11]			
[Leukemia Mononuclear TGLS = 3-4]			
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary	Follicle	Cyst	
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 1-12]			
* Stomach, Forestomach		Ulcer	Mild
[Ulcer TGLS = 7-6]			

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 442

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900712

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone Marrow	* Esophagus	* Islets, Pancreatic	* Lung
* Nose	* Ovary	* Salivary Glands	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Bone	Femur	Hyperostosis	
* Brain		Compression	Mild
		Hydrocephalus	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 2-15]			
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 5-1]			
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
		Leukemia Mononuclear	
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Eosinophilic Focus TGLS = 9-12]			
[Hepatodiaphragmatic Nodule TGLS = 3-11]			
[Leukemia Mononuclear TGLS = 8-4]			
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
[Fibroadenoma TGLS = 1-13]			
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 6-7]			
* Skin	SOA-No Mass	Acanthosis	Moderate

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 442

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900712

ORGAN AND ACCOUNTABLE SITE STATUS

SOA-No Mass, Sebaceous GI

Hyperplasia

Mild

[Acanthosis TGLS = 7-16]

* Spleen

Leukemia Mononuclear

[Leukemia Mononuclear TGLS = 4-14]

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 443	TRT#: 8	SEX: Female	DAY ON TEST: 699
	DOSE: 1.5 MG/KG	DISP: Natural Death	HISTO: 8900713

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Lung	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Thymus

OBSERVATIONS

* Brain		Compression	Mild
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Moderate
	[Atrophy TGLS = 4-11]		
	[Cataract TGLS = 4-11]		
* Heart		Degeneration	Chronic, Mild
* Islets, Pancreatic		Carcinoma	
	[Carcinoma TGLS = 5-6]		
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
	Bile Duct	Hepatodiaphragmatic Nodule	
		Hyperplasia	Mild
		Leukemia Mononuclear	
	[Hepatodiaphragmatic Nodule TGLS = 1-12,2-4]		
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-7]		
* Skin	SOA-No Mass	Acanthosis	Minimal
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PITUITARY MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 444	TRT#: 8	SEX: Female	DAY ON TEST: 729
	DOSE: 1.5 MG/KG	DISP: Terminal Sacrifice	HISTO: 8900714

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Islets, Pancreatic
* Lung	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Spleen	* Thymus	* Trachea
* Urinary Bladder	* Uterus		

MISSING

* Parathyroid Gland

OBSERVATIONS

* Brain		Compression	Mild
		Hydrocephalus	Mild
* Clitoral Gland		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Mild
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-12]		
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous GI	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Mild
	[Ulcer TGLS = 2-11]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 445

TRT#: 8

SEX: Female

DAY ON TEST: 525

DOSE: 1.5 MG/KG

DISP: Natural Death

HISTO: 8900715

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Liver	* Lung
* Nose	* Pancreas	* Pituitary Gland	* Salivary Glands
* Skin	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Parathyroid Gland

OBSERVATIONS

* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Lymph Node, Mesenteric		Angiectasis	Mild
* Mammary Gland		Fibroadenoma	
[Fibroadenoma TGLS = 2-7]			
* Ovary	Periovarn Tiss	Cyst	
Tongue		Cyst	
[Cyst TGLS = 1-11]			

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, MALNUTRITION

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 446

TRT#: 8

SEX: Female

DAY ON TEST: 587

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900716

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	Peripheral Nerve	* Salivary Glands
* Skin	Spinal Cord	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Adrenal Cortex		Leukemia Mononuclear	
* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
	[Adenoma TGLS = 3-7]		
* Spleen		Leukemia Mononuclear	
	[Leukemia Mononuclear TGLS = 1-11]		
* Stomach, Forestomach		Ulcer	Mild
* Uterus		Polyp Stromal	
	[Polyp Stromal TGLS = 2-12]		

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SAC DUE TO PITUITARY MASS AND LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 447

TRT#: 8

SEX: Female

DAY ON TEST: 619

DOSE: 1.5 MG/KG

DISP: Natural Death

HISTO: 8900717

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Spleen	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Brain		Compression	Mild
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Inflammation	Granulomatous, Mild
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
[Fibroadenoma TGLS = 1-12]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-7]			
* Skin	SOA-No Mass	Acanthosis	Mild
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Mild
[Ulcer TGLS = 3-11]			

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PITUITARY MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 448

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900718

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Skin
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 4-4]			
* Mammary Gland		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Mild
[Fibroadenoma TGLS = 1-13,2-14]			
Mesentery	Fat	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 5-12]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
* Spleen		Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 3-11]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 449

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 1.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900719

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Lung
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Mineralization	Mild
		Nephropathy	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-11]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Mild
[Acanthosis TGLS = 1-12]			
[Ulcer TGLS = 1-12]			
* Thymus		Depletion Lymphoid	Mild
* Thyroid Gland	Bilateral	Ultimobranchial Cyst	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 450

TRT#: 8

SEX: Female

DAY ON TEST: 667

DOSE: 1.5 MG/KG

DISP: Natural Death

HISTO: 8900720

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Brain		Compression	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-12,3-11,4-12]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-7]			

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PITUITARY MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 451

TRT#: 8

SEX: Female

DAY ON TEST: 632

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900721

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Heart	* Islets, Pancreatic	* Lung	* Nose
* Ovary	Peripheral Nerve	* Salivary Glands	Spinal Cord
* Spleen	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Brain		Compression	Moderate
		Hydrocephalus	Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 2-1]			
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
[Vacuolization Cytoplasmic TGLS = 1-4,1-11]			
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 4-7]			
* Skin	SOA-No Mass	Acanthosis	Mild
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
[Acanthosis TGLS = 5-13]			
* Stomach, Forestomach		Acanthosis	Moderate
		Inflammation	Chronic Active, Moderate
		Ulcer	Moderate
[Ulcer TGLS = 3-12]			

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO PITUITARY MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 452 TRT#: 8 SEX: Female DAY ON TEST: 303
DOSE: 1.5 MG/KG DISP: Natural Death HISTO: 8900722

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Heart	* Islets, Pancreatic	* Nose	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Brain		Leukemia Mononuclear	
* Kidney		Leukemia Mononuclear	
		Mineralization	Mild
* Liver		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary	Follicle	Cyst	
* Pituitary Gland	Pars Distalis	Leukemia Mononuclear	
* Skin	SOA-No Mass	Acanthosis	Mild
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Minimal
	[Acanthosis TGLS = 1-10]		
* Spleen		Leukemia Mononuclear	
* Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH -

Animal Note: COD, LEUKEMIA MONONUCLEAR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 453

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900723

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Heart	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Salivary Glands	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder

MISSING

* Parathyroid Gland

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Clitoral Gland		Adenoma	
[Adenoma TGLS = 1-11]			
* Kidney		Nephropathy	Chronic, Moderate
* Liver		Basophilic Focus	
		Inflammation	Granulomatous, Mild
	Hepatocyte	Vacuolization Cytoplasmic	Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-7]			
* Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild
[Polyp Stromal TGLS = 2-12]		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 454

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900724

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Thymus

OBSERVATIONS

* Adrenal Cortex		Necrosis	Moderate
* Adrenal Medulla		Hyperplasia	Mild
* Clitoral Gland		Carcinoma	
[Carcinoma TGLS = 1-13]			
* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 4-1]			
* Liver	Hepatocyte	Basophilic Focus	
		Degeneration	Cystic, Mild
		Leukemia Mononuclear	
* Mammary Gland		Adenoma	
		Fibroadenoma	
[Adenoma TGLS = 3-12]		Hyperplasia	Cystic, Moderate
[Fibroadenoma TGLS = 2-11]			
* Parathyroid Gland		Hyperplasia	Marked
* Pituitary Gland	Pars Distalis	Hyperplasia	Marked
	Pars Distalis	Leukemia Mononuclear	
[Hyperplasia TGLS = 5-7]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 455

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900725

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Islets, Pancreatic
* Lung	* Nose	* Ovary	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Brain		Compression	Mild
		Hydrocephalus	Mild
* Clitoral Gland		Hyperplasia	Mild
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 1-7]		
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 456

TRT#: 8

DOSE: 1.5 MG/KG

SEX: Female

DISP: Natural Death

DAY ON TEST: 658

HISTO: 8900726

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Salivary Glands	* Thymus
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver	Bile Duct	Hyperplasia	Mild
		Leukemia Mononuclear	
* Lung		Leukemia Mononuclear	
* Lymph Node, Mesenteric		Leukemia Mononuclear	
* Mammary Gland		Adenoma	
		Hyperplasia	Cystic, Mild
[Adenoma TGLS = 1-11]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-7]			
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous GI	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Mild
[Ulcer TGLS = 3-12]			
* Spleen		Leukemia Mononuclear	

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PITUITARY MASS & MONONUCLEAR CELL LEUKEMIA

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 457	TRT#: 8	SEX: Female	DAY ON TEST: 486
	DOSE: 1.5 MG/KG	DISP: Natural Death	HISTO: 8900727

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Lung
* Nose	* Pancreas	* Salivary Glands	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Ovary	Follicle	Cyst	
[Cyst TGLS = 2-10]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-7]			
* Skin	SOA-No Mass	Acanthosis	Minimal
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PITUITARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 458

TRT#: 8

SEX: Female

DAY ON TEST: 456

DOSE: 1.5 MG/KG

DISP: Scheduled Sacrifice

HISTO: 8900728

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Liver
* Lung	* Nose	* Pancreas	* Parathyroid Gland
* Pituitary Gland	* Salivary Glands	* Skin	* Spleen
* Thyroid Gland	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Kidney		Mineralization	Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Ovary	Periovarn Tiss	Cyst	
[Cyst TGLS = 2-10]			
* Thymus		Depletion Lymphoid	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: TGL1-7, PITUITARY FOCUS NOT APPARENT ON MICRO

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 459

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900729

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Pancreas	* Parathyroid Gland	* Salivary Glands	* Skin
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Clitoral Gland [Adenoma TGLS = 1-12]		Adenoma	
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
		Leukemia Mononuclear	
[Eosinophilic Focus TGLS = 2-11]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-7]			
* Spleen		Leukemia Mononuclear	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus	Endometrium	Hyperplasia	Cystic, Glandular, Mild
		Polyp Stromal	
[Polyp Stromal TGLS = 4-13]			

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 460	TRT#: 8	SEX: Female	DAY ON TEST: 322
	DOSE: 1.5 MG/KG	DISP: Natural Death	HISTO: 8900730

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Nose
* Ovary	* Pancreas	* Pituitary Gland	* Salivary Glands
* Spleen	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Parathyroid Gland

OBSERVATIONS

* Kidney		Mineralization	Minimal
* Liver		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 1-11]		
* Lung	Alveolar Epith	Hyperplasia	Mild
* Mammary Gland		Hyperplasia	Cystic, Mild
* Skin	SOA-No Mass, Sebaceous GI	Hyperplasia	Minimal
* Thymus		Depletion Lymphoid	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, UNDETERMINED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 461

TRT#: 8

SEX: Female

DAY ON TEST: 594

DOSE: 1.5 MG/KG

DISP: Natural Death

HISTO: 8900731

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Lung
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 2-7]			
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Mild
[Ulcer TGLS = 1-11]			

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, UNDETERMINED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 462

TRT#: 8

SEX: Female

DAY ON TEST: 533

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900732

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

- | | | | |
|-------------------|---------------|----------------------|-------------------|
| * Bone | * Bone Marrow | * Brain | * Clitoral Gland |
| * Esophagus | * Heart | * Islets, Pancreatic | * Kidney |
| * Lung | * Ovary | * Pancreas | * Salivary Glands |
| * Skin | * Spleen | * Thymus | * Trachea |
| * Urinary Bladder | | | |

OBSERVATIONS

- | | | | |
|---------------------|-------------------------------|---------------------------|----------------------|
| * Adrenal Cortex | | Vacuolization Cytoplasmic | Mild |
| * Liver | | Basophilic Focus | |
| | Bile Duct | Hyperplasia | Minimal |
| * Mammary Gland | | Fibroadenoma | |
| | | Hyperplasia | Cystic, Minimal |
| | [Fibroadenoma TGLS = 2-12] | | |
| * Nose | Sinus | Foreign Body | Minimal |
| | Mucosa | Inflammation | Chronic Active, Mild |
| * Parathyroid Gland | | Hyperplasia | Moderate |
| * Pituitary Gland | Pars Distalis | Cyst | |
| * Thyroid Gland | C Cell | Hyperplasia | Mild |
| * Uterus | | Polyp Stromal | |
| | [Polyp Stromal TGLS = 1-11] | | |

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MAMMARY MASS

Animal Note: TGL2-12, SKIN MASS IS MAMMARY TUMOR

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 463

TRT#: 8

SEX: Female

DAY ON TEST: 634

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900733

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Islets, Pancreatic	* Lung	* Ovary	* Salivary Glands
* Spleen	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
* Brain		Compression	Moderate
		Hydrocephalus	Mild
Eye	Retina	Atrophy	Marked
	Lens	Cataract	Moderate
[Atrophy TGLS = 3-13]			
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
[Nephropathy TGLS = 1-1]			
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Mild
[Hepatodiaphragmatic Nodule TGLS = 4-11]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Nose	Sinus	Foreign Body	Mild
	Mucosa	Inflammation	Chronic Active, Mild
* Pancreas	Acinus	Atrophy	Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-7]			
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Minimal
[Acanthosis TGLS = 5-12]			
[Ulcer TGLS = 5-12]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 463

TRT#: 8

SEX: Female

DAY ON TEST: 634

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900733

ORGAN AND ACCOUNTABLE SITE STATUS

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO PITUITARY MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 464 TRT#: 8 SEX: Female DAY ON TEST: 537
DOSE: 1.5 MG/KG DISP: Natural Death HISTO: 8900734

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Lung	* Nose
* Pancreas	* Salivary Glands	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder		

OBSERVATIONS

* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-4]			
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary	Follicle	Cyst	
[Cyst TGLS = 1-10]			
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Mild
[Ulcer TGLS = 3-11]			
* Spleen		Hematopoietic Cell Proliferation	Mild
* Uterus		Polyp Stromal	
[Polyp Stromal TGLS = 4-10]			

PRIMARY CAUSE OF DEATH -

Animal Note: COD, UNDETERMINED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 465

TRT#: 8

SEX: Female

DAY ON TEST: 723

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900735

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Clitoral Gland	* Esophagus	* Heart
* Islets, Pancreatic	* Nose	* Ovary	* Salivary Glands
* Thymus	* Thyroid Gland	* Trachea	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Moderate
* Bone Marrow	Femoral	Leukemia Mononuclear	
* Brain		Carcinoma	Metastatic (Pituitary Gland)
		Compression	Mild
* Kidney		Nephropathy	Chronic, Marked
[Nephropathy TGLS = 6-1]			
* Liver	Bile Duct	Hyperplasia	Moderate
	Hepatocyte	Leukemia Mononuclear	
[Leukemia Mononuclear TGLS = 5-4]		Vacuolization Cytoplasmic	Moderate
* Lung		Leukemia Mononuclear	
* Mammary Gland		Hyperplasia	Cystic, Moderate
Mesentery	Fat	Inflammation	Chronic Active, Marked
[Inflammation TGLS = 1-13,2-12]			
* Pancreas	Acinus	Atrophy	Mild
		Inflammation	Chronic Active, Marked
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 7-7]			
* Skin	SOA-No Mass	Acanthosis	Mild
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
[Acanthosis TGLS = 8-14]			
* Spleen		Fibrosis	Moderate
		Leukemia Mononuclear	
[Fibrosis TGLS = 4-1]			
[Leukemia Mononuclear TGLS = 3-11]			

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 465	TRT#: 8	SEX: Female	DAY ON TEST: 723
	DOSE: 1.5 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900735

ORGAN AND ACCOUNTABLE SITE STATUS

* Stomach, Forestomach		Acanthosis	Moderate
* Urinary Bladder	Transit Epithe	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO MONONUCLEAR CELL LEUKEMIA,

Animal Note: NEPHROPATHY, AND PITUITARY MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 466

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900736

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Adrenal Cortex		Vacuolization Cytoplasmic	Mild
* Clitoral Gland	Duct	Ectasia	Moderate
[Ectasia TGLS = 1-13]			
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Mild
* Liver	Hepatocyte	Basophilic Focus	
		Clear Cell Focus	
		Degeneration	Cystic, Mild
		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
[Clear Cell Focus TGLS = 3-4]			
[Hepatodiaphragmatic Nodule TGLS = 4-11]			
* Mammary Gland		Hyperplasia	Cystic, Moderate
Mesentery	Fat	Inflammation	Chronic Active, Moderate
[Inflammation TGLS = 2-12]			
* Parathyroid Gland		Hyperplasia	Moderate
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 467

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900737

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Pancreas
* Salivary Glands	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Clitoral Gland [Carcinoma TGLS = 1-12]		Carcinoma	
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Clear Cell Focus	
		Eosinophilic Focus	
		Inflammation	Granulomatous, Mild
		Leukemia Mononuclear	
[Eosinophilic Focus TGLS = 2-11]			
* Mammary Gland		Hyperplasia	Cystic, Mild
* Ovary [Cyst TGLS = 3-10]	Periovarn Tiss	Cyst	
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
	Pars Distalis	Leukemia Mononuclear	
* Skin	SOA-No Mass	Acanthosis	Mild
* Spleen		Leukemia Mononuclear	
* Thymus		Cyst	
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 468

TRT#: 8

SEX: Female

DAY ON TEST: 576

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900738

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Clitoral Gland	* Esophagus
* Heart	* Islets, Pancreatic	* Lung	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Skin
* Spleen	* Thymus	* Thyroid Gland	* Trachea
* Urinary Bladder	* Uterus		

OBSERVATIONS

* Brain		Compression	Mild
		Hydrocephalus	Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-7]			
* Stomach, Forestomach		Ulcer	Moderate
[Ulcer TGLS = 3-6]			

PRIMARY CAUSE OF DEATH

-

Animal Note: MORIBUND SAC DUE TO PITUITARY MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 469

TRT#: 8

SEX: Female

DAY ON TEST: 636

DOSE: 1.5 MG/KG

DISP: Natural Death

HISTO: 8900739

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Liver
* Lung	* Nose	* Ovary	* Pancreas
* Salivary Glands	* Spleen	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 1-7]			
* Skin	SOA-No Mass	Acanthosis	Mild
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Minimal
[Acanthosis TGLS = 2-12]			
[Ulcer TGLS = 2-12]			
* Stomach, Forestomach		Mineralization	Mild
[Mineralization TGLS = 3-11]			

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PITUITARY MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 471	TRT#: 8	SEX: Female	DAY ON TEST: 729
	DOSE: 1.5 MG/KG	DISP: Terminal Sacrifice	HISTO: 8900741

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Heart	* Islets, Pancreatic	* Nose	* Ovary
* Parathyroid Gland	* Salivary Glands	* Skin	* Spleen
* Thymus	* Trachea	* Urinary Bladder	

OBSERVATIONS

* Clitoral Gland [Adenoma TGLS = 1-10]		Adenoma	
* Kidney		Nephropathy	Chronic, Mild
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland [Fibroadenoma TGLS = 2-11,3-12,4-13,5-14]		Fibroadenoma	Multiple
		Hyperplasia	Cystic, Moderate
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland [Adenoma TGLS = 6-7]	Pars Distalis	Adenoma	
	Pars Distalis	Cyst	
* Thyroid Gland	C Cell	Hyperplasia	Mild
* Uterus		Polyp Stromal	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 472

TRT#: 8

SEX: Female

DAY ON TEST: 603

DOSE: 1.5 MG/KG

DISP: Natural Death

HISTO: 8900742

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Lung
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Spleen	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Moderate
* Liver		Eosinophilic Focus	
		Hepatodiaphragmatic Nodule	
	[Hepatodiaphragmatic Nodule TGLS = 1-12,2-11]		
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
	[Adenoma TGLS = 3-7]		
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Mild
	[Acanthosis TGLS = 4-13]		
* Thyroid Gland	Follicular Cel	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PITUITARY MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 473	TRT#: 8	SEX: Female	DAY ON TEST: 677
	DOSE: 1.5 MG/KG	DISP: Natural Death	HISTO: 8900743

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Esophagus
* Islets, Pancreatic	* Lung	* Nose	* Ovary
* Pancreas	* Salivary Glands	* Skin	* Spleen
* Thymus	* Thyroid Gland	* Trachea	* Urinary Bladder
* Uterus			

MISSING

* Clitoral Gland

OBSERVATIONS

* Heart		Degeneration	Chronic, Mild
* Kidney		Nephropathy	Chronic, Minimal
* Liver		Clear Cell Focus	
	Bile Duct	Hyperplasia	Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Mild
	[Fibroadenoma TGLS = 1-11]		
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Hyperplasia	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, UNDETERMINED

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 474	TRT#: 8	SEX: Female	DAY ON TEST: 700
	DOSE: 1.5 MG/KG	DISP: Natural Death	HISTO: 8900744

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Esophagus	* Islets, Pancreatic
* Lung	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Spleen	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Brain		Compression	Mild
* Clitoral Gland		Inflammation	Chronic Active, Marked
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Moderate
[Nephropathy TGLS = 1-1]			
* Liver		Basophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 2-7]			
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Mild
[Acanthosis TGLS = 3-11]			
[Ulcer TGLS = 3-11]			
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PITUITARY MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 475	TRT#: 8	SEX: Female	DAY ON TEST: 729
	DOSE: 1.5 MG/KG	DISP: Terminal Sacrifice	HISTO: 8900745

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Lung
* Nose	* Ovary	* Pancreas	* Parathyroid Gland
* Salivary Glands	* Skin	* Spleen	* Thymus
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Adrenal Cortex		Hyperplasia	Mild
		Vacuolization Cytoplasmic	Mild
* Kidney		Nephropathy	Chronic, Marked
* Liver		Basophilic Focus	
		Eosinophilic Focus	
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Pituitary Gland	Pars Distalis	Hyperplasia	Mild
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 476

TRT#: 8

SEX: Female

DAY ON TEST: 729

DOSE: 1.5 MG/KG

DISP: Terminal Sacrifice

HISTO: 8900746

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Nose
* Ovary	* Parathyroid Gland	* Salivary Glands	* Spleen
* Thymus	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Minimal
* Liver		Basophilic Focus	
		Hepatodiaphragmatic Nodule	
		Inflammation	Granulomatous, Mild
	[Hepatodiaphragmatic Nodule TGLS = 2-12,3-13]		
* Lung		Inflammation	Chronic Active, Minimal
* Mammary Gland		Fibroadenoma	
		Hyperplasia	Cystic, Moderate
	[Fibroadenoma TGLS = 4-14]		
	[Hyperplasia TGLS = 1-11]		
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Mild
	[Hyperplasia TGLS = 5-7]		
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Hyperplasia	Mild

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 477	TRT#: 8	SEX: Female	DAY ON TEST: 613
	DOSE: 1.5 MG/KG	DISP: Moribund Sacrifice	HISTO: 8900747

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Heart	* Islets, Pancreatic	* Lung
* Nose	* Ovary	* Pancreas	* Salivary Glands
* Spleen	* Thymus	* Trachea	* Urinary Bladder
* Uterus			

OBSERVATIONS

* Kidney		Nephropathy	Chronic, Mild
* Liver		Hepatodiaphragmatic Nodule Inflammation	Granulomatous, Minimal
[Hepatodiaphragmatic Nodule TGLS = 1-11]			
* Lymph Node, Mesenteric		Angiectasis	Moderate
[Angiectasis TGLS = 2-6]			
* Mammary Gland		Hyperplasia	Cystic, Mild
* Parathyroid Gland		Hyperplasia	Mild
* Pituitary Gland	Pars Distalis	Adenoma	
[Adenoma TGLS = 3-7]			
* Skin	SOA-No Mass	Acanthosis	Mild
	SOA-No Mass, Sebaceous GI	Hyperplasia	Minimal
* Thyroid Gland	C Cell	Adenoma	

PRIMARY CAUSE OF DEATH -

Animal Note: MORIBUND SAC DUE TO PITUITARY MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 478	TRT#: 8	SEX: Female	DAY ON TEST: 456
	DOSE: 1.5 MG/KG	DISP: Scheduled Sacrifice	HISTO: 8900748

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Liver	* Lung
* Nose	* Parathyroid Gland	* Salivary Glands	* Spleen
* Thyroid Gland	* Trachea	* Urinary Bladder	* Uterus

OBSERVATIONS

* Heart		Degeneration	Chronic, Minimal
* Kidney		Mineralization	Mild
		Nephropathy	Chronic, Minimal
* Mammary Gland		Hyperplasia	Cystic, Moderate
* Ovary	Periovarn Tiss	Cyst	
[Cyst TGLS = 2-13]			
* Pancreas	Acinus	Atrophy	Minimal
* Pituitary Gland	Craniophar Dct, Pars Distalis	Cyst	
	Pars Distalis	Hyperplasia	Moderate
[Hyperplasia TGLS = 3-12]			
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Mild
[Acanthosis TGLS = 1-11]			
[Ulcer TGLS = 1-11]			
* Thymus		Angiectasis	Mild
		Depletion Lymphoid	

PRIMARY CAUSE OF DEATH

-

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05
Test Type: CHRONIC
Route: DERMAL,SOLUTION
Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA
Test Compound: Benzethonium chloride
CAS Number: 121-54-0

Date Report Requested: 10/19/2014
Time Report Requested: 06:42:22
First Dose M/F: NA / NA
Lab: BAT

ANIMAL ID: 479	TRT#: 8	SEX: Female	DAY ON TEST: 562
	DOSE: 1.5 MG/KG	DISP: Natural Death	HISTO: 8900749

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Clitoral Gland	* Esophagus	* Islets, Pancreatic	* Liver
* Lung	* Nose	* Ovary	* Pancreas
* Parathyroid Gland	* Salivary Glands	* Thymus	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

MISSING

* Bone Marrow

OBSERVATIONS

* Bone	Femur	Osteopetrosis	Marked
* Brain		Carcinoma	Metastatic (Pituitary Gland)
		Compression	Moderate
* Heart		Degeneration	Chronic, Minimal
* Kidney		Nephropathy	Chronic, Minimal
* Mammary Gland		Hyperplasia	Cystic, Mild
* Pituitary Gland	Pars Distalis	Carcinoma	
[Carcinoma TGLS = 1-7]			
* Skin	SOA-No Mass	Acanthosis	Moderate
	SOA-No Mass, Sebaceous Gl	Hyperplasia	Mild
	SOA-No Mass	Ulcer	Minimal
[Acanthosis TGLS = 2-11]			
[Ulcer TGLS = 2-11]			
* Spleen		Hematopoietic Cell Proliferation	Moderate

PRIMARY CAUSE OF DEATH

-

Animal Note: COD, PITUITARY MASS

* PROTOCOL REQUIRED TISSUE

Experiment Number: 05102-05

Test Type: CHRONIC

Route: DERMAL,SOLUTION

Species/Strain: Rat/F 344/N

P14: INDIVIDUAL ANIMAL PATHOLOGY DATA

Test Compound: Benzethonium chloride

CAS Number: 121-54-0

Date Report Requested: 10/19/2014

Time Report Requested: 06:42:22

First Dose M/F: NA / NA

Lab: BAT

ANIMAL ID: 480

TRT#: 8

SEX: Female

DAY ON TEST: 358

DOSE: 1.5 MG/KG

DISP: Moribund Sacrifice

HISTO: 8900750

ORGAN AND ACCOUNTABLE SITE STATUS

NORMAL

* Bone	* Bone Marrow	* Brain	* Clitoral Gland
* Esophagus	* Islets, Pancreatic	* Kidney	* Lung
* Mammary Gland	* Pancreas	* Parathyroid Gland	* Pituitary Gland
* Salivary Glands	* Skin	* Spleen	* Thyroid Gland
* Trachea	* Urinary Bladder	* Uterus	

OBSERVATIONS

* Heart		Degeneration	Chronic, Minimal
* Liver		Hepatodiaphragmatic Nodule	
[Hepatodiaphragmatic Nodule TGLS = 2-11]			
* Nose	Sinus	Foreign Body	Moderate
	Mucosa	Inflammation	Chronic Active, Moderate
* Ovary	Follicle	Cyst	
[Cyst TGLS = 1-10]			
* Thymus		Depletion Lymphoid	Moderate

PRIMARY CAUSE OF DEATH

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Animal Note: MORIBUND SAC. DUE TO NASAL INFLAMMATION

** END OF REPORT **

* PROTOCOL REQUIRED TISSUE