

Experiment Number: 20203 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Green tea extract
CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
Time Report Requested: 07:54:40
First Dose M/F: 07/18/07 / 07/19/07
Lab: BAT

F1_Rev.2_RE

NTP Study Number: C20203
Lock Date: 11/12/2010
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.0_001
PWG Approval Date: NONE

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WISTAR HAN RATS MALE		DAY ON TEST																				males (cont...)				
		0 5 3 8	0 7 2 9	0 0 9 2	0 7 2 9	0 7 2 7	0 7 2 9	0 7 2 9	0 5 1 9	0 7 2 9	0 7 2 8	0 7 2 7	0 7 2 8	0 7 2 8	0 7 2 9	0 7 2 7	0 7 2 9	0 7 2 7	0 5 1 9	0 7 2 9	0 7 2 8		0 0 9 2	0 7 2 8	0 0 2 8	0 7 2 9
0 mg/kg		ANIMAL ID																				males (cont...)				
		0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0		0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4

ALIMENTARY SYSTEM

Esophagus Inflammation	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum Inflammation	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum Parasite Metazoan	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver Angiectasis	+	+	+	+	+	+	+	+	+	+	+	2	+	+	+	+	+	+	+	+	1	+	+	+	+	+
Basophilic Focus								X	X		X					X		X			X	X		X	X	
Clear Cell Focus		X		X	X	X		X		X	X		X	X	X	X	X	X								X
Deformity																					1					
Eosinophilic Focus		X								X	X					X										
Fatty Change	3																									
Hematopoietic Cell Proliferation	2		1																		2					
Hepatodiaphragmatic Nodule Inflammation		1			1						X										1					
Mixed Cell Focus					X			X	X		X		X	X	X		X									

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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WISTAR HAN RATS MALE 0 mg/kg		DAY ON TEST																									males (cont...)
		ANIMAL ID																									
		0 5 3 8	0 7 2 9	0 0 9 2	0 7 2 9	0 7 2 7	0 7 2 9	0 7 2 9	0 5 1 9	0 7 2 9	0 7 2 8	0 7 2 7	0 7 2 8	0 7 2 9	0 7 2 7	0 7 2 9	0 7 2 7	0 7 2 9	0 5 1 9	0 7 2 9	0 7 2 8	0 0 9 2	0 7 2 8	0 7 2 9			
0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 1 1	0 0 0 2 0	0 0 0 2 1	0 0 0 2 2	0 0 0 2 3	0 0 0 2 4	0 0 0 2 5				
Necrosis		1																									
Vacuolization Cytoplasmic, Focal																											
Bile Duct, Hyperplasia		1																									X
Hepatocyte, Atrophy		1																									1
Hepatocyte, Regeneration		4																									
		3																									
Mesentery																											
Necrosis																											+
		3																									
Oral Mucosa																											
Pancreas		+																									
Basophilic Focus		+																									
Acinus, Atrophy		1																									1
Acinus, Hyperplasia		1																									2
Salivary Glands		+																									
Amyloid Deposition		+																									2
Atrophy		+																									
Stomach, Forestomach		+																									
Erosion		+																									1
Inflammation		+																									2
Epithelium, Hyperkeratosis		+																									
Epithelium, Hyperplasia		3																									3
Stomach, Glandular		+																									
Inflammation		+																									1
Mineralization		1																									
Tooth		+																									

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WISTAR HAN RATS MALE	DAY ON TEST																								
	0 5 3 8	0 7 2 9	0 0 9 2	0 7 2 9	0 7 2 7	0 7 2 9	0 7 2 9	0 5 1 9	0 7 2 9	0 7 2 8	0 7 2 7	0 7 2 7	0 7 2 8	0 7 2 8	0 7 2 9	0 7 2 7	0 7 2 9	0 5 1 9	0 7 2 9	0 7 2 8	0 0 9 2	0 7 2 8	0 7 2 2	0 7 2 8	0 7 2 9
0 mg/kg	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	0 0 0 0 6	0 0 0 0 7	0 0 0 0 8	0 0 0 0 9	0 0 0 0 0	0 0 0 0 1	0 0 0 0 1	0 0 0 0 1	0 0 0 0 1	0 0 0 0 1	0 0 0 0 1	0 0 0 0 1	0 0 0 0 1	0 0 0 0 1	0 0 0 0 1	0 0 0 0 2	0 0 0 0 2	0 0 0 0 2	0 0 0 0 2	0 0 0 0 2
ANIMAL ID	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
	males (cont...)																								

Inflammation

3

CARDIOVASCULAR SYSTEM

Blood Vessel

+ +

Heart

+ +

Cardiomyopathy

1 2 1 2 1 1 1 2 1 1 1 1 1 2 1 1 2 1 1 1 1 1 1 2

ENDOCRINE SYSTEM

Adrenal Cortex

+ +

Degeneration, Cystic

1

Hematopoietic Cell Proliferation, Granulocytic

3

Hyperplasia

2

4

2

2

2

1

3

1

1

Hypertrophy

2

2

4

2

3

3

3

3

1

1

2

Necrosis

1

Adrenal Medulla

+ +

Islets, Pancreatic

+ +

Parathyroid Gland

+ + + + + + + + + + + M M + + + + + + + + + + + +

Hyperplasia

2

2

Pituitary Gland

+ +

Pars Distalis, Hyperplasia

3

2

3

2

3

4

Thyroid Gland

+ +

C-cell, Hyperplasia

1

1

3

2

2

3

2

1

1

1

2

3

1

1

Follicle, Cyst

4

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| WISTAR HAN RATS MALE

0 mg/kg | | DAY ON TEST | | | | males
(cont...) |
|---|-----------------------|------------------|---|--|--------------------|
| | | ANIMAL ID | | | | |
| | | 0
5
3
8 | 0
7
2
9 | 0
0
9
2 | 0
7
2
9 | 0
7
2
7 | 0
7
2
9 | 0
7
2
9 | 0
5
1
9 | 0
7
2
9 | 0
7
2
8 | 0
7
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7 | 0
7
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8 | 0
7
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8 | 0
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9 | 0
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7 | 0
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9 | 0
7
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7 | 0
5
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9 | 0
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1 | 0
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2
0 | 0
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0
2
1 | 0
0
0
2
2 | 0
0
0
2
3 | 0
0
0
2
4 | 0
0
0
2
5 | | | | |
| Bone | | + | + | | |
| NERVOUS SYSTEM | | | | | |
| Brain | | + | + | | |
| RESPIRATORY SYSTEM | | | | | |
| Lung | | + | + | | |
| Inflammation, Chronic Active | | | 1 | | | 1 | | 1 | | | | | 1 | | 2 | | | 1 | | | | | | | | | |
| Mineralization | | | | | | 1 | | | | | | | | | | | | | | | | | | | | | |
| Alveolar Epithelium, Hyperplasia | | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Alveolus, Infiltration Cellular, Histiocyte | | 1 | | | 1 | 1 | | | 1 | 2 | 1 | 1 | | 2 | | 2 | | | 1 | | | 1 | 1 | | 1 | | |
| Nose | | + | + | | |
| Foreign Body | | | | | X | | | | | | | | | | X | | | | | X | | | X | | | | |
| Inflammation, Suppurative | | | 1 | | 2 | | | | | | | | | | 2 | | 2 | | | 2 | | | 1 | | | | |
| Epithelium, Goblet Cell, Nasopharyngeal Duct, Hyperplasia | | | 1 | | | | |
| Goblet Cell, Hyperplasia | | | | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | 4 | | 1 | 3 | | | 3 | 2 | 3 | 3 | | 3 | 3 | 2 | 4 | 1 | 2 | 4 | 2 | | | 3 | | | |
| Olfactory Epithelium, Atrophy | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Olfactory Epithelium, Necrosis | | | | |
| Olfactory Epithelium, Pigmentation | | | 1 | | 1 | 2 | | | | | | | | | | | | | | | | | | | 2 | | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | | | | 1 | | | | | 2 | | 2 | | 1 | 1 | 1 | 1 | | 1 | 3 | 1 | | 1 | | | | |
| Respiratory Epithelium, Hyperplasia | | | | |
| Respiratory Epithelium, Pigmentation | | | 1 | | 1 | | |

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| WISTAR HAN RATS MALE

0 mg/kg | DAY ON TEST | | males
(cont...) |
|--------------------------------------|--------------------|
| | |
| ANIMAL ID | 0
5
3
8 | 0
7
2
9 | 0
0
9
2 | 0
7
2
9 | 0
7
2
7 | 0
7
2
9 | 0
7
2
9 | 0
5
1
9 | 0
7
2
9 | 0
7
2
8 | 0
7
2
7 | 0
7
2
8 | 0
7
2
8 | 0
7
2
9 | 0
7
2
7 | 0
7
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9 | 0
5
1
9 | 0
7
2
9 | 0
7
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7 | 0
7
2
9 | 0
5
1
9 | 0
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8 | 0
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8 | 0
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4 | 0
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9 | 0
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1 | 0
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2 | 0
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3 | 0
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4 | 0
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0
0
5 | 0
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6 | 0
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0
0
7 | 0
0
0
0
8 | 0
0
0
0
9 | 0
0
0
0
0 | 0
0
0
0
1 | 0
0
0
0
2 | 0
0
0
0
3 | 0
0
0
0
4 | 0
0
0
0
5 | |
| Trachea | + | |
| SPECIAL SENSES SYSTEM | |
| Eye | + | |
| Cornea, Inflammation | |
| Retina, Atrophy | |
| Retina, Hyperplasia, Reticulum Cell | | | | | | | | | | 2 | | | | | | | | | | | | | | | | |
| Harderian Gland | + | |
| Inflammation | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Zymbal's Gland | |
| URINARY SYSTEM | |
| Kidney | + | |
| Cyst | |
| Hydronephrosis | 1 | | | | | | |
| Inflammation | 2 | | | | | | 2 | | | | | | | 2 | 1 | | | | | 1 | 1 | | 1 | | 1 | |
| Nephropathy | 3 | 1 | | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 3 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | | 1 | 2 | | 1 | 2 |
| Papilla, Necrosis | | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Ureter | |
| Urinary Bladder | + | |

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| WISTAR HAN RATS MALE | DAY ON TEST | |
|----------------------|--------------------|
| | 0
9
2 | 0
7
2 | 0
5
0 | 0
7
2 | 0
0
9 | 0
0
9 | 0
7
2 | 0
7
2 | 0
0
8 | 0
7
2 | 0
7
2 | 0
6
4 | 0
0
2 | 0
7
7 | 0
7
2 | 0
5
1 | 0
6
4 | 0
6
2 | 0
6
8 | 0
0
2 | 0
7
8 | 0
7
2 | 0
0
2 | 0
5
3 | 0
7
8 |
| 0 mg/kg | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
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0 | 0
0
0 | 0
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0 | 0
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0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 |
| ANIMAL ID | 2
6 | 7
7 | 8
8 | 9
9 | 3
0 | 3
1 | 3
2 | 3
3 | 3
4 | 3
5 | 3
6 | 3
7 | 3
8 | 3
9 | 4
0 | 4
1 | 4
2 | 4
3 | 4
4 | 4
5 | 4
6 | 4
7 | 4
8 | 4
9 | 5
0 |
| | males
(cont...) | |

ALIMENTARY SYSTEM

| | |
|--|---|
| Esophagus
Inflammation | + |
| Intestine Large, Cecum
Inflammation | + |
| Intestine Large, Colon | + |
| Intestine Large, Rectum
Parasite Metazoan | + |
| Intestine Small, Duodenum | + |
| Intestine Small, Ileum | + |
| Intestine Small, Jejunum | + |
| Liver | + |
| Angiectasis |
| Basophilic Focus | | X | | | | | X | | | | X | | | X | X | | | X | | | X | | | |
| Clear Cell Focus | | X | | X | | | X | | | X | X | | | X | X | | | X | | | | X | | X |
| Deformity |
| Eosinophilic Focus | | | | | | | | | | X | | | | | | | | | | | | | | |
| Fatty Change |
| Hematopoietic Cell Proliferation |
| Hepatodiaphragmatic Nodule
Inflammation |
| Mixed Cell Focus |

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0 mg/kg | | DAY ON TEST | 0
0
9
2 | 0
7
2
7 | 0
5
0
5 | 0
7
2
7 | 0
0
9
2 | 0
0
9
2 | 0
7
2
7 | 0
7
2
8 | 0
0
9
2 | 0
7
2
7 | 0
6
0
4 | 0
0
9
2 | 0
7
2
7 | 0
5
1
9 | 0
6
7
4 | 0
6
2
9 | 0
6
6
8 | 0
0
9
2 | 0
7
2
8 | 0
7
2
7 | 0
0
9
2 | 0
5
3
9 | 0
7
2
8 | males
(cont...) | |
|-------------------------------------|--|-------------|--------------------|-----------------------|
| | | ANIMAL ID | 0
0
0
2
6 | 0
0
0
2
7 | 0
0
0
2
8 | 0
0
0
3
9 | 0
0
0
3
0 | 0
0
0
3
1 | 0
0
0
3
2 | 0
0
0
3
3 | 0
0
0
3
4 | 0
0
0
3
5 | 0
0
0
3
6 | 0
0
0
3
7 | 0
0
0
3
8 | 0
0
0
4
9 | 0
0
0
4
0 | 0
0
0
4
1 | 0
0
0
4
2 | 0
0
0
4
3 | 0
0
0
4
4 | 0
0
0
4
5 | 0
0
0
4
6 | 0
0
0
4
7 | 0
0
0
4
8 | | 0
0
0
4
9 |
| Necrosis | | | | |
| Vacuolization Cytoplasmic, Focal | | | | | | | | | | | | | | | | | | | | | | X | | | | | |
| Bile Duct, Hyperplasia | | | | 1 | | | | | | | | | | 1 | | | 1 | 1 | | | | | | | | | |
| Hepatocyte, Atrophy | | | | |
| Hepatocyte, Regeneration | | | | |
| Mesentery | | | | |
| Necrosis | | | | |
| Oral Mucosa | | | | | | | | | | | | | | + | | | | | | | | | | | | | |
| Pancreas | | | + | |
| Basophilic Focus | | | | |
| Acinus, Atrophy | | | | |
| Acinus, Hyperplasia | | | | |
| Salivary Glands | | | + | |
| Amyloid Deposition | | | | |
| Atrophy | | | | |
| Stomach, Forestomach | | | + | |
| Erosion | | | | |
| Inflammation | | | | | 2 | | |
| Epithelium, Hyperkeratosis | | | | |
| Epithelium, Hyperplasia | | | | | 3 | | | | | | 1 | | | | | | | | | | | | | | 3 | | |
| Stomach, Glandular | | | + | |
| Inflammation | | | | |
| Mineralization | | | | |
| Tooth | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE | DAY ON TEST | |
|----------------------|--------------------|
| | 0
9
2 | 0
7
2 | 0
5
0 | 0
7
2 | 0
0
9 | 0
0
9 | 0
7
2 | 0
7
2 | 0
0
9 | 0
7
2 | 0
7
2 | 0
6
0 | 0
0
9 | 0
7
2 | 0
7
2 | 0
5
1 | 0
6
7 | 0
6
2 | 0
6
6 | 0
0
9 | 0
7
2 | 0
7
2 | 0
0
9 | 0
5
3 | 0
7
2 |
| 0 mg/kg | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 | 0
0
0 |
| ANIMAL ID | 2
6 | 2
7 | 2
8 | 2
9 | 3
0 | 3
1 | 3
2 | 3
3 | 3
4 | 3
5 | 3
6 | 3
7 | 3
8 | 3
9 | 4
0 | 4
1 | 4
2 | 4
3 | 4
4 | 4
5 | 4
6 | 4
7 | 4
8 | 4
9 | 5
0 |
| | males
(cont...) | |

Inflammation

CARDIOVASCULAR SYSTEM

| |
|----------------|
| Blood Vessel | + |
| Heart | + |
| Cardiomyopathy | | 2 | | 2 | 1 | | 1 | 1 | | 1 | 1 | 1 | | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 | | 1 |

ENDOCRINE SYSTEM

| | |
|--|---|
| Adrenal Cortex | + |
| Degeneration, Cystic | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| Hematopoietic Cell Proliferation, Granulocytic | |
| Hyperplasia | | | | | 1 | | | 1 | | 1 | | 2 | | 2 | | | | 1 | 2 | | 2 | 1 | | 1 |
| Hypertrophy | | 2 | | 2 | | | | | | | 1 | | 1 | | | | 2 | 2 | | 2 | | | | |
| Necrosis |
| Adrenal Medulla | + |
| Islets, Pancreatic | + |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + |
| Hyperplasia |
| Pituitary Gland | + |
| Pars Distalis, Hyperplasia | | | | | 2 | | | | | | | | | 4 | 2 | | | 3 | | | | | | |
| Thyroid Gland | + |
| C-cell, Hyperplasia | | 1 | 2 | 1 | | | 2 | 3 | | 1 | | 2 | | 1 | 2 | | 3 | 1 | 2 | | 2 | 1 | | 1 |
| Follicle, Cyst | 2 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE | DAY ON TEST | |
|----------------------|-----------------------|
| | 0
9
2 | 0
7
2 | 0
5
5 | 0
7
2 | 0
0
9 | 0
0
9 | 0
7
2 | 0
7
2 | 0
0
2 | 0
7
2 | 0
7
2 | 0
6
4 | 0
0
2 | 0
7
7 | 0
7
2 | 0
5
1 | 0
6
4 | 0
6
2 | 0
6
6 | 0
0
2 | 0
7
2 | 0
7
2 | 0
0
9 | 0
5
3 | 0
7
2 |
| 0 mg/kg | 0
0
0
2
6 | 0
0
0
2
7 | 0
0
0
2
8 | 0
0
0
2
9 | 0
0
0
3
0 | 0
0
0
3
1 | 0
0
0
3
2 | 0
0
0
3
3 | 0
0
0
3
4 | 0
0
0
3
5 | 0
0
0
3
6 | 0
0
0
3
7 | 0
0
0
3
8 | 0
0
0
3
9 | 0
0
0
4
0 | 0
0
0
4
1 | 0
0
0
4
2 | 0
0
0
4
3 | 0
0
0
4
4 | 0
0
0
4
5 | 0
0
0
4
6 | 0
0
0
4
7 | 0
0
0
4
8 | 0
0
0
4
9 | 0
0
0
5
0 |
| ANIMAL ID | |
| | males
(cont...) | |

Mediastinal, Degeneration, Cystic
 Mediastinal, Hemorrhage
 Mediastinal, Hyperplasia, Lymphoid

3
 2
 3

Lymph Node, Mandibular
 Degeneration, Cystic
 Hyperplasia, Plasma Cell

+
 2
 3 2 1 1

Lymph Node, Mesenteric
 Degeneration, Cystic

+ +

Spleen
 Depletion Lymphoid
 Hematopoietic Cell Proliferation
 Hyperplasia, Lymphoid

+
 2
 2

Thymus
 Hemorrhage

+ + + + + + + + + + + + + M + + + + + + + + + +
 2

INTEGUMENTARY SYSTEM

Mammary Gland
 Duct, Dilatation

+ +

Skin
 Cyst Epithelial Inclusion
 Hyperplasia
 Inflammation
 Ulcer

+ X + + + +
 2
 1 3
 4 4

MUSCULOSKELETAL SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Lab: BAT

[illegible]

2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE | DAY ON TEST | | | | | | | | | | |
|----------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0645 | 0727 | 0671 | 0779 | 0729 | 0631 | 0728 | 0729 | 0525 | 0092 | |
| 0 mg/kg | ANIMAL ID | | | | | | | | | | |
| | 00051 | 00052 | 00053 | 00054 | 00055 | 00056 | 00057 | 00058 | 00059 | 00060 | |
| | | | | | | | | | | | * TOTALS |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Esophagus Inflammation | + | + | + | + | + | + | + | + | + | + | 60 | 1 | 4.0 |
| Intestine Large, Cecum Inflammation | + | + | + | + | + | + | + | + | + | + | 60 | 1 | 1.0 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | 60 | | |
| Intestine Large, Rectum Parasite Metazoan | + | + | + | + | + | + | + | + | + | + | 60 | 5 | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | 60 | | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | 60 | | |
| Intestine Small, Jejunum | + | + | + | A | + | + | + | + | + | + | 59 | | |
| Liver Angiectasis | + | + | + | + | + | + | + | + | + | + | 60 | 2 | 1.5 |
| Basophilic Focus | X | X | | | X | | | | X | | 20 | | |
| Clear Cell Focus | | X | | | | | X | X | X | | 28 | | |
| Deformity | | | | | | | | | | | | 1 | 1.0 |
| Eosinophilic Focus | | | | | | | | | | | | 5 | |
| Fatty Change | | | | | | | | | | | | 2 | 2.5 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | 4 | 1.5 |
| Hepatodiaphragmatic Nodule | | | | | | | | | | | | 1 | |
| Inflammation | | | | | | | | | | | | 3 | 1.0 |
| Mixed Cell Focus | | X | | | X | | X | | | | 10 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
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 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE | DAY ON TEST | | | | | | | | | | ANIMAL ID | |
|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------|----------|
| | 0
6
4
5 | 0
7
2
7 | 0
6
7
1 | 0
7
0
9 | 0
7
2
9 | 0
6
3
1 | 0
7
2
8 | 0
7
2
9 | 0
5
2
5 | 0
0
9
2 | | |
| 0 mg/kg | 0
0
0
5
1 | 0
0
0
5
2 | 0
0
0
5
3 | 0
0
0
5
4 | 0
0
0
5
5 | 0
0
0
5
6 | 0
0
0
5
7 | 0
0
0
5
8 | 0
0
0
5
9 | 0
0
0
5
0 | | |
| | | | | | | | | | | | | * TOTALS |
| Necrosis | | | | | | | | | | | | 1 1.0 |
| Vacuolization Cytoplasmic, Focal | | | | | | | X | | | | | 3 |
| Bile Duct, Hyperplasia | | 1 | 1 | 1 | 1 | | | | | | | 11 1.0 |
| Hepatocyte, Atrophy | | | | | | | | | | | | 1 4.0 |
| Hepatocyte, Regeneration | | | | | | | | | | | | 1 3.0 |
| Mesentery | | + | | | | | | | | | | 3 |
| Necrosis | | 3 | | | | | | | | | | 2 3.0 |
| Oral Mucosa | | | | | | | | | | | | 1 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | | 60 |
| Basophilic Focus | | | | | | | | | | | | 1 |
| Acinus, Atrophy | | | | | | 1 | | | | | | 7 1.3 |
| Acinus, Hyperplasia | | | | | 2 | | | | | | | 3 1.7 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | | 60 |
| Amyloid Deposition | | | | | | | | | | | | 1 2.0 |
| Atrophy | | | 2 | | | | | | | | | 1 2.0 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | | 60 |
| Erosion | | | | | | | | | | | | 2 1.5 |
| Inflammation | | | | | | | | | | | | 3 2.7 |
| Epithelium, Hyperkeratosis | | | | | | | | | | | | 1 4.0 |
| Epithelium, Hyperplasia | | | | | | | | | | | | 7 2.6 |
| Stomach, Glandular | + | + | M | + | + | + | + | + | + | + | | 59 |
| Inflammation | | | | | | | | | | | | 2 1.5 |
| Mineralization | | | | | | | | | | | | 1 1.0 |
| Tooth | | | | | | | | | | | | 1 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue
 X .. Lesion present A .. Autolysis precludes evaluation
 I .. Insufficient tissue BLANK .. Not examined microscopically

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 2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
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 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE | | DAY ON TEST | | | | | | | | | | | |
|----------------------|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| | | 0645 | 0727 | 0671 | 0779 | 0729 | 0631 | 0728 | 0729 | 0525 | 0092 | | |
| 0 mg/kg | | ANIMAL ID | | | | | | | | | | | |
| | | 00051 | 00052 | 00053 | 00054 | 00055 | 00056 | 00057 | 00058 | 00059 | 00060 | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| * TOTALS | | | | | | | | | | | | | |
| Inflammation | | | | | | | | | | | | 1 3.0 | |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | |
|----------------|---|---|---|---|---|---|---|---|---|---|--------|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | 60 |
| Heart | + | + | + | + | + | + | + | + | + | + | 60 |
| Cardiomyopathy | 2 | 1 | | 1 | 1 | 1 | | 3 | | | 47 1.3 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|--------|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | 60 |
| Degeneration, Cystic | | | | | | | | | | | 2 1.0 |
| Hematopoietic Cell Proliferation, Granulocytic | | | | | | | | | | | 1 3.0 |
| Hyperplasia | | 2 | | | | | 2 | 1 | | | 22 1.7 |
| Hypertrophy | 1 | 2 | 2 | | | | | | | | 20 2.0 |
| Necrosis | | | | | 1 | | | | | | 2 1.0 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | 60 |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | 60 |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | 57 |
| Hyperplasia | | | | | | | | | | | 2 2.0 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | 60 |
| Pars Distalis, Hyperplasia | | | | 1 | | | 2 | | | | 12 2.6 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | 60 |
| C-cell, Hyperplasia | 3 | 2 | 2 | | 2 | | 1 | 1 | 2 | | 37 1.7 |
| Follicle, Cyst | | | | | | | | | | | 1 4.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE | DAY ON TEST | | | | | | | | | | |
|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
| | 0
6
4
5 | 0
7
2
7 | 0
6
7
1 | 0
7
0
9 | 0
7
2
9 | 0
6
3
1 | 0
7
2
8 | 0
7
2
9 | 0
5
2
5 | 0
0
9
2 | |
| 0 mg/kg | ANIMAL ID | | | | | | | | | | |
| | 0
0
0
5
1 | 0
0
0
5
2 | 0
0
0
5
3 | 0
0
0
5
4 | 0
0
0
5
5 | 0
0
0
5
6 | 0
0
0
5
7 | 0
0
0
5
8 | 0
0
0
5
9 | 0
0
0
6
0 | |
| * TOTALS | | | | | | | | | | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | |
|-------------------------|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Epididymis | + | + | + | + | + | + | + | + | + | + | 60 | | |
| Granuloma Sperm | | | | | | | | | | | | 1 | 3.0 |
| Spermatocele | | | | | | | | | | | | 1 | 4.0 |
| Preputial Gland | + | + | + | + | + | + | + | + | + | + | 60 | | |
| Inflammation | | | | | | | | | | | | 1 | 1.0 |
| Prostate | + | + | + | + | + | + | + | + | + | + | 60 | | |
| Inflammation | | | | | | | | | | | | 5 | 3.4 |
| Epithelium, Hyperplasia | | | | | 1 | | | | | | | 6 | 1.5 |
| Seminal Vesicle | + | + | + | + | + | + | + | + | + | + | 60 | | |
| Inflammation | | | | | | | | | | | | 2 | 2.0 |
| Epithelium, Hyperplasia | | | | | | | | | | | | 1 | 1.0 |
| Testes | + | + | + | + | + | + | + | + | + | + | 60 | | |
| Atrophy | | | | | | | | | | | | 9 | 2.2 |
| Degeneration, Cystic | | | | | | | | | | | | 3 | 3.0 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | |
|-------------|---|---|---|---|---|---|---|---|---|---|----|----|-----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | 59 | | |
| Hyperplasia | 1 | | 2 | | | | | | | 4 | | 10 | 2.0 |
| Lymph Node | | + | | | | | | | | | | 4 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE | DAY ON TEST | | | | | | | | | | |
|------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| | 0
6
4
5 | 0
7
2
7 | 0
6
7
1 | 0
7
0
9 | 0
7
2
9 | 0
6
3
1 | 0
7
2
8 | 0
7
2
9 | 0
5
2
5 | 0
0
9
2 | |
| 0 mg/kg | ANIMAL ID | | | | | | | | | | |
| | 0
0
0
5
1 | 0
0
0
5
2 | 0
0
0
5
3 | 0
0
0
5
4 | 0
0
0
5
5 | 0
0
0
5
6 | 0
0
0
5
7 | 0
0
0
5
8 | 0
0
0
5
9 | 0
0
0
6
0 | |
| | | | | | | | | | | | * TOTALS |
| Mediastinal, Degeneration, Cystic | | | | | | | | | | | 1 3.0 |
| Mediastinal, Hemorrhage | | | | | | | | | | | 1 2.0 |
| Mediastinal, Hyperplasia, Lymphoid | 4 | | | | | | | | | | 2 3.5 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | 59 |
| Degeneration, Cystic | | 2 | 3 | | | | | | | | 5 2.0 |
| Hyperplasia, Plasma Cell | | | | | | | | | | | 6 2.0 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | 60 |
| Degeneration, Cystic | | | 4 | | 2 | | | | | | 2 3.0 |
| Spleen | + | + | + | + | + | + | + | + | + | + | 60 |
| Depletion Lymphoid | | | 2 | | | | | | | | 1 2.0 |
| Hematopoietic Cell Proliferation | | | | 3 | | | | | | | 7 2.4 |
| Hyperplasia, Lymphoid | | | | | | | | | | | 1 2.0 |
| Thymus | + | + | + | + | + | + | + | + | + | + | 59 |
| Hemorrhage | | | | | | | | | | | 1 2.0 |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | 60 |
| Duct, Dilatation | | | | | | | | | | | 1 2.0 |
| Skin | + | + | + | + | + | + | + | + | + | + | 60 |
| Cyst Epithelial Inclusion | | | | | | | | | | | 3 |
| Hyperplasia | 4 | | | | | | | | | | 2 3.0 |
| Inflammation | | | | | | | | | | | 2 2.0 |
| Ulcer | 2 | | | 4 | | | 4 | | | | 8 3.8 |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
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1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE | DAY ON TEST | | | | | | | | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| | 0
6
4
5 | 0
7
2
7 | 0
6
7
1 | 0
7
0
9 | 0
7
2
9 | 0
6
3
1 | 0
7
2
8 | 0
7
2
9 | 0
5
2
5 | 0
0
9
2 | |
| 0 mg/kg | ANIMAL ID | | | | | | | | | | |
| | 0
0
0
5
1 | 0
0
0
5
2 | 0
0
0
5
3 | 0
0
0
5
4 | 0
0
0
5
5 | 0
0
0
5
6 | 0
0
0
5
7 | 0
0
0
5
8 | 0
0
0
5
9 | 0
0
0
6
0 | |
| | | | | | | | | | | | * TOTALS |
| Bone | + | + | + | + | + | + | + | + | + | + | 60 |
| NERVOUS SYSTEM | | | | | | | | | | | |
| Brain | + | + | + | + | + | + | + | + | + | + | 60 |
| RESPIRATORY SYSTEM | | | | | | | | | | | |
| Lung | + | + | + | + | + | + | + | + | + | + | 60 |
| Inflammation, Chronic Active | | | | 1 | 1 | | 1 | | | | 11 1.1 |
| Mineralization | | | | | | | | | | | 1 1.0 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | 2 1.0 |
| Alveolus, Infiltration Cellular, Histiocyte | | | | 1 | 1 | | 1 | | | | 25 1.2 |
| Nose | + | + | + | + | + | + | + | + | + | + | 60 |
| Foreign Body | | | | | X | | | | | | 8 |
| Inflammation, Suppurative | | | | | 2 | | | | | | 11 1.7 |
| Epithelium, Goblet Cell, Nasopharyngeal Duct, Hyperplasia | | | | | | | | | | | 1 1.0 |
| Goblet Cell, Hyperplasia | | | | | | | | | | | 1 1.0 |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | 1 | 1 | 2 | | 2 | 4 | 4 | | | | 31 2.6 |
| Olfactory Epithelium, Atrophy | | | | | | | | | | | 1 1.0 |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | | 1 | | | | | | 4 1.3 |
| Olfactory Epithelium, Necrosis | | | | | | | | | | | 1 2.0 |
| Olfactory Epithelium, Pigmentation | 1 | 3 | | | | | | | | | 6 1.7 |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | | | | 1 | 1 | 2 | | | | 23 1.5 |
| Respiratory Epithelium, Hyperplasia | | | | | | | | | | | 3 1.3 |
| Respiratory Epithelium, Pigmentation | | | | | | | | | | | 2 1.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
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| WISTAR HAN RATS MALE | DAY ON TEST | | | | | | | | | | |
|--------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| | 0
6
4
5 | 0
7
2
7 | 0
6
7
1 | 0
7
0
9 | 0
7
2
9 | 0
6
3
1 | 0
7
2
8 | 0
7
2
9 | 0
5
2
5 | 0
0
9
2 | |
| 0 mg/kg | ANIMAL ID | | | | | | | | | | |
| | 0
0
0
5
1 | 0
0
0
5
2 | 0
0
0
5
3 | 0
0
0
5
4 | 0
0
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5 | 0
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0
5
6 | 0
0
0
5
7 | 0
0
0
5
8 | 0
0
0
5
9 | 0
0
0
6
0 | |
| | | | | | | | | | | | * TOTALS |
| Trachea | + | + | + | + | + | + | + | + | + | + | 60 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | 60 |
| Cornea, Inflammation | | | | | | | | | | | 1 3.0 |
| Retina, Atrophy | | | 1 | | | | | | | | 1 1.0 |
| Retina, Hyperplasia, Reticulum Cell | | | | | | | | | | | 1 2.0 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | 60 |
| Inflammation | | | | | | | | | | | 1 1.0 |
| Zymbal's Gland | | | | | | | | + | | | 1 |
| URINARY SYSTEM | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | 60 |
| Cyst | | | | | | | | | | | 1 3.0 |
| Hydronephrosis | | | | | | | | | | | 2 1.5 |
| Inflammation | 2 | | | | | | | 1 | | | 15 1.5 |
| Nephropathy | 1 | 1 | | 1 | 2 | 1 | 1 | | | | 47 1.3 |
| Papilla, Necrosis | | | | | | | | | | | 2 1.0 |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | 1 1.0 |
| Ureter | | | | + | | | | | | | 1 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | 60 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Lab: BAT

[illegible]

- Liver
 - Angiectasis
 - Basophilic Focus
 - Clear Cell Focus
 - Eosinophilic Focus
 - Fatty Change
 - Hematopoietic Cell Proliferation, Granulocytic Inflammation

2) Mild 4) Marked

Experiment Number: 20203 - 03
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 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE

100 mg/kg | DAY ON TEST | | males
(cont...) |
|---------------------------------------|--------------------|
| | 0
7
2
8 | 0
7
2
9 | 0
7
2
8 | 0
7
2
8 | 0
7
2
7 | 0
7
2
7 | 0
7
2
8 | 0
7
2
8 | 0
7
2
7 | 0
7
2
8 | 0
7
2
8 | 0
6
2
2 | 0
7
2
9 | 0
7
2
2 | 0
7
2
2 | 0
7
2
7 | 0
7
2
9 | 0
6
2
1 | 0
7
2
8 | 0
7
2
9 | 0
7
2
8 | 0
6
2
5 | 0
7
2
8 | 0
7
2
4 | 0
5
4
1 | |
| ANIMAL ID | 0
0
0
6
1 | 0
0
0
6
2 | 0
0
0
6
3 | 0
0
0
6
4 | 0
0
0
6
5 | 0
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7 | 0
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8 | 0
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9 | 0
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1 | 0
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2 | 0
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3 | 0
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4 | 0
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5 | 0
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6 | 0
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8 | 0
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7
9 | 0
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8
0 | 0
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8
1 | 0
0
0
8
2 | 0
0
0
8
3 | 0
0
0
8
4 | 0
0
0
8
5 | |
| Blood Vessel | + | |
| Heart | + |
| Cardiomyopathy | | 1 | 1 | 1 | 2 | 2 | 1 | 3 | 2 | 2 | 1 | 1 | | 2 | 1 | 2 | 3 | | 2 | 1 | 1 | 2 | 1 | 1 | 2 | |
| Endocardium, Hyperplasia | | | | | | | | | | | | | | | | | | 3 | | | | | | | | |
| ENDOCRINE SYSTEM | |
| Adrenal Cortex | + | |
| Angiectasis | |
| Degeneration, Cystic | | | | | | | | | | | | | | | | | | | 3 | | | | | | | |
| Hyperplasia | 1 | 2 | | 1 | 1 | 1 | | 1 | 1 | 1 | | 2 | | 1 | 2 | | 1 | 2 | | 2 | | 2 | | | 2 | |
| Hypertrophy | 2 | | 2 | 2 | 2 | 1 | | 2 | 2 | | | | | 2 | | | 2 | | 2 | | 1 | | | | | |
| Infiltration Cellular, Lipocyte | | | | | | | | | | | | | 4 | | | | | | | | | | | | | |
| Adrenal Medulla | + | |
| Hyperplasia | |
| Islets, Pancreatic | + | |
| Parathyroid Gland | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Pituitary Gland | + | |
| Pars Distalis, Atrophy | |
| Pars Distalis, Hyperplasia | | 2 | | | | | 1 | | | 2 | 2 | | | 1 | | | 4 | 1 | | | | | | | | |
| Thyroid Gland | + | |
| C-cell, Hyperplasia | | 2 | | 1 | 2 | 1 | | 1 | 1 | 1 | 1 | | 2 | 2 | 4 | | 1 | | | | | | 1 | | | |
| Follicular Cell, Hyperplasia | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Lab: BAT

| | | |
|-------------|--|--------------------|
| DAY ON TEST | | 0728 | 0729 | 0728 | 0728 | 0727 | 0728 | 0728 | 0727 | 0728 | 0728 | 0722 | 0729 | 0727 | 0727 | 0727 | 0729 | 0727 | 0721 | 0728 | 0729 | 0728 | 0725 | 0728 | 0721 | males
(cont...) |
| | | 0728 | 0729 | 0728 | 0728 | 0727 | 0728 | 0728 | 0727 | 0728 | 0728 | 0722 | 0729 | 0727 | 0727 | 0727 | 0729 | 0727 | 0721 | 0728 | 0729 | 0728 | 0725 | 0728 | 0721 | |
| ANIMAL ID | | 00061 | 00062 | 00063 | 00064 | 00065 | 00066 | 00066 | 00066 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00068 | 00068 | 00068 | 00068 | 00068 | 00068 | 00068 | |
| | | 00061 | 00062 | 00063 | 00064 | 00065 | 00066 | 00066 | 00066 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00068 | 00068 | 00068 | 00068 | 00068 | 00068 | 00068 | |
| | | 00061 | 00062 | 00063 | 00064 | 00065 | 00066 | 00066 | 00066 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00068 | 00068 | 00068 | 00068 | 00068 | 00068 | 00068 | |
| | | 00061 | 00062 | 00063 | 00064 | 00065 | 00066 | 00066 | 00066 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00067 | 00068 | 00068 | 00068 | 00068 | 00068 | 00068 | 00068 | |

NONE

GENITAL SYSTEM

| | |
|--|---|
| Epididymis | + |
| Preputial Gland
Inflammation | + |
| Prostate
Inflammation
Epithelium, Hyperplasia | + |
| | | | | | | 1 | 2 | | | 2 | 1 | | | 1 | | | 4 | | | | 1 | | 4 | | |
| Seminal Vesicle
Inflammation
Epithelium, Hyperplasia | + |
| | |
| Testes
Atrophy
Degeneration, Cystic | + |
| | | | | | | | | | | | 1 | | | | | | 4 | 1 | | | | | | | |
| | | | | | | | | | | | 4 | | | | | | 4 | | | | | | | | |

HEMATOPOIETIC SYSTEM

| |
|--------------------------|
| Bone Marrow | + |
| Hyperplasia | | | 1 | | | | | | | | | | | | | | 2 | 1 | 1 | | | | 1 | | |
| Hyperplasia, Histiocytic | |
| Lymph Node, Mandibular | + |
| Degeneration, Cystic | | | 2 | | | | | | | | | | | 3 | | 2 | | 2 | | | | 3 | | | |

2) Mild 4) Marked

| WISTAR HAN RATS MALE

100 mg/kg | | DAY ON TEST | 0
7
2
8 | 0
7
2
9 | 0
7
2
8 | 0
7
2
8 | 0
7
2
7 | 0
7
2
7 | 0
7
2
8 | 0
7
2
8 | 0
7
2
7 | 0
7
2
8 | 0
6
9
2 | 0
7
2
9 | 0
7
2
7 | 0
7
2
7 | 0
7
2
9 | 0
6
2
7 | 0
7
2
8 | 0
7
2
8 | 0
6
2
5 | 0
7
2
8 | 0
5
4
1 | males
(cont...) | | | | | |
|--|--|-------------|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
| | | ANIMAL ID | 0
0
0
6
1 | 0
0
0
6
2 | 0
0
0
6
3 | 0
0
0
6
4 | 0
0
0
6
5 | 0
0
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6
6 | 0
0
0
6
7 | 0
0
0
6
8 | 0
0
0
6
9 | 0
0
0
7
0 | 0
0
0
7
1 | 0
0
0
7
2 | 0
0
0
7
3 | 0
0
0
7
4 | 0
0
0
7
5 | 0
0
0
7
6 | 0
0
0
7
7 | 0
0
0
7
8 | 0
0
0
7
9 | 0
0
0
8
0 | 0
0
0
8
1 | | 0
0
0
8
2 | 0
0
0
8
3 | 0
0
0
8
4 | 0
0
0
8
5 | |
| Hyperplasia, Plasma Cell | | | | | | | | |
| Lymph Node, Mesenteric | | + | + | | + | + | + | + | |
| Spleen | | + | + | + | + | + | | |
| Angiectasis | | | | | | | | |
| Depletion Lymphoid | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | |
| Thymus | | M | + | + | + | + | | |
| INTEGUMENTARY SYSTEM | | | | | | | | |
| Mammary Gland | | + | + | + | + | + | | |
| Skin | | + | + | + | + | + | | |
| Cyst Epithelial Inclusion | | | | | | | | |
| Hyperplasia | | | | | | | | |
| Ulcer | | | | | | | | |
| Hair Follicle, Cyst Epithelial Inclusion, Multiple | | | | | | | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | |
| Bone | | + | + | + | + | + | | |
| NERVOUS SYSTEM | | | | | | | | |
| Brain | | + | + | + | + | + | | |
| Ventricle, Developmental Malformation | | | | | | | | |
| Peripheral Nerve | | | | | | | | |

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X .. Lesion present
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2) Mild 4) Marked

Lab: BAT

[illegible][illegible]

| | |
|--|---|
| | + |
| Eye
Synechia
Ciliary Body, Inflammation
Retina, Dysplasia | 1 |
| Harderian Gland
Inflammation | + |

| |
|----------------|
| Kidney Cyst | + |
| Hydronephrosis | | | | 2 | |
| Inflammation | | | | | | | 1 | | | 2 | | 1 | | | | 2 | | | | | 3 | | | |

2) Mild 4) Marked

Lab: BAT[illegible]

2) Mild 4) Marked

Lab: BAT

| | | | |
|-------------|--|----------|------|
| DAY ON TEST | | 0728 | 0668 | 0513 | 0728 | 0636 | 0344 | 0729 | 0788 | 0544 | 0706 | 0727 | 0728 | 0728 | 0727 | 0729 | 0729 | 0728 | 0604 | 0650 | 0608 | 0728 | 0727 | 0727 | * TOTALS | |
| | | 0008 | 0008 | 0008 | 0008 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | | 0009 |
| | | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | 0099 | 0090 | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | | 0008 |
| ANIMAL ID | | 0008 | 0008 | 0008 | 0008 | 0009 | 0009 |

- Liver
 - Angiectasis
 - Basophilic Focus
 - Clear Cell Focus
 - Eosinophilic Focus
 - Fatty Change
 - Hematopoietic Cell Proliferation, Granulocytic Inflammation

2) Mild 4) Marked

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| WISTAR HAN RATS MALE

100 mg/kg | | DAY ON TEST | 0
7
2
8 | 0
6
8 | 0
5
1
3 | 0
7
2
8 | 0
6
3
6 | 0
3
4
4 | 0
7
2
9 | 0
7
2
8 | 0
5
8
4 | 0
7
0
6 | 0
7
2
7 | 0
7
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8 | 0
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8 | 0
7
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8 | 0
7
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7 | 0
7
2
9 | 0
7
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9 | 0
7
2
8 | 0
6
4 | 0
6
5
0 | 0
6
0
8 | 0
7
2
8 | 0
7
2
7 | 0
7
2
7 | * TOTALS | |
|---------------------------------------|--|-------------|----------|--------|
| | | ANIMAL ID | 0
0
0
8
6 | 0
0
0
8
7 | 0
0
0
8
8 | 0
0
0
8
9 | 0
0
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1 | 0
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9
2 | 0
0
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9
3 | 0
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9
4 | 0
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5 | 0
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6 | 0
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9
7 | 0
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8 | 0
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9 | 0
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0
9
0 | 0
0
0
1
1 | 0
0
0
1
2 | 0
0
0
1
3 | 0
0
0
1
4 | 0
0
0
1
5 | 0
0
0
1
6 | 0
0
0
1
7 | 0
0
0
1
8 | 0
0
0
1
9 | | |
| Mixed Cell Focus | | | | | | | | | X | | | | X | X | | X | | X | X | | | | | | | | | 9 |
| Necrosis | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 2 1.0 |
| Pigmentation | | | | 2 3.0 |
| Vacuolization Cytoplasmic, Focal | | | X | | X | | | | | X | | X | | | | X | | X | | | | | | | | | | 15 |
| Bile Duct, Hyperplasia | | | 1 | | | 1 | | | | 2 | | 1 | 1 | | | 2 | | 1 | | | | | | | 1 | | | 14 1.2 |
| Portal, Fibrosis | | | | 1 2.0 |
| Mesentery | | | + | | 2 |
| Inflammation | | | 4 | | 1 4.0 |
| Necrosis | | | | 1 3.0 |
| Pancreas | | | + | | 50 |
| Lipomatosis | | | | 1 2.0 |
| Acinus, Atrophy | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | 6 1.3 |
| Salivary Glands | | | + | | 50 |
| Stomach, Forestomach | | | + | | 50 |
| Inflammation | | | | | | | | | | | | 2 | | | | | | | | | | 2 | | | | | | 2 2.0 |
| Ulcer | | | | 3 | | | | | | | | 3 | | | | | | | | | | 2 | | | | | | 3 2.7 |
| Epithelium, Hyperkeratosis | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 1.0 |
| Epithelium, Hyperplasia | | | | 3 | | | 2 | | | | | 3 | | | 1 | | | | | | | 4 | | | | | | 6 2.8 |
| Stomach, Glandular | | | + | | 50 |
| Mucosa, Necrosis | | | | 3 | | | | | | | | | | | | | 1 | | | | 2 | | | | | | | 3 2.0 |
| Mucosa, Pigmentation | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | 1 1.0 |
| Tooth | | | | | | | | | | | | | | + | | | | | | | | | | | | | | 1 |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
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|---------------------------------|--|-------------|-----|-----|--|----------|--|
| | | 0728 | 0668 | 0513 | 0728 | 0636 | 0344 | 0729 | 0728 | 0546 | 0727 | 0728 | 0728 | 0728 | 0727 | 0729 | 0729 | 0728 | 0729 | 0644 | 0650 | 0608 | 0728 | 0727 | 0727 | | | | | | |
| 100 mg/kg | | 0008 | 0007 | 0008 | 0008 | 0009 | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0000 | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0000 | | | | | |
| ANIMAL ID | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | | | | | |
| Blood Vessel | | + | + | 50 | | | | | |
| Heart | | + | + | 50 | | | | | |
| Cardiomyopathy | | 2 | 1 | 2 | 2 | | 3 | 1 | 2 | 1 | 2 | 1 | 1 | 2 | 1 | 2 | 2 | 1 | 2 | 1 | | | | 1 | 3 | 2 | 43 | 1.6 | | | |
| Endocardium, Hyperplasia | | | 1 | 3.0 | | | | |
| ENDOCRINE SYSTEM | | | | | | | |
| Adrenal Cortex | | + | + | 50 | | | | | |
| Angiectasis | | | | | 2 | | 1 | 2.0 | | | | |
| Degeneration, Cystic | | | 1 | 3.0 | | | | |
| Hyperplasia | | | | | 1 | 2 | 2 | | | | | | | | 2 | | | | | | 2 | | | 1 | 2 | 22 | 1.5 | | | | |
| Hypertrophy | | 2 | 1 | | | | 2 | | 2 | | | | 2 | | 2 | 2 | 1 | | 3 | 2 | | | 1 | 2 | | 2 | 24 | 1.8 | | | |
| Infiltration Cellular, Lipocyte | | | 1 | 4.0 | | | | |
| Adrenal Medulla | | + | + | 50 | | | | | |
| Hyperplasia | | | | | | | | | | | | | 3 | | | | | | | | | | | | | 1 | 3.0 | | | | |
| Islets, Pancreatic | | + | + | 50 | | | | | |
| Parathyroid Gland | | + | M | + | + | + | M | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | M | M | 44 | | | | | |
| Pituitary Gland | | + | + | 50 | | | | | |
| Pars Distalis, Atrophy | | | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | 1.0 | | | | |
| Pars Distalis, Hyperplasia | | | | | | | | 2 | | | | | 2 | | | | | 3 | | | | | | | | 10 | 2.0 | | | | |
| Thyroid Gland | | + | + | 50 | | | | | |
| C-cell, Hyperplasia | | | 2 | | 3 | 1 | 1 | 1 | 1 | | | 1 | 2 | 1 | | 1 | 3 | | | 3 | 1 | 1 | | 2 | 1 | 1 | 30 | 1.5 | | | |
| Follicular Cell, Hyperplasia | | | 1 | 2.0 | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Lab: BAT

| | | | |
|----------------------|-------------|----------|-------|
| WISTAR HAN RATS MALE | DAY ON TEST | 0728 | 0668 | 0513 | 0728 | 0636 | 0344 | 0779 | 0528 | 0744 | 0706 | 0727 | 0728 | 0728 | 0727 | 0729 | 0729 | 0728 | 0649 | 0660 | 0668 | 0728 | 0727 | 0727 | * TOTALS | |
| | 100 mg/kg | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 | 00097 | 00098 | 00099 | 00000 | 00001 | 00002 | 00003 | 00004 | 00005 | 00006 | 00007 | 00008 | | 00009 |
| | ANIMAL ID | 00086 | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 | 00097 | 00098 | 00099 | 00000 | 00001 | 00002 | 00003 | 00004 | 00005 | 00006 | 00007 | 00008 | | 00009 |

NONE

GENITAL SYSTEM

| | | | |
|-------------------------|----|----|-----|
| Epididymis | + | 50 | | |
| Preputial Gland | + | 50 | 1 | 4.0 |
| Inflammation | | | |
| Prostate | + | 50 | | |
| Inflammation | | 4 | 3.8 |
| Epithelium, Hyperplasia | 1 | 4 | | | 3 | | | | | | | 2 | | | 1 | | | | | 1 | 1 | | 1 | 2 | | 13 | 1.3 |
| Seminal Vesicle | + | 50 | | |
| Inflammation | | 5 | 2.4 |
| Epithelium, Hyperplasia | | | | | | | | | | | | | | | | | | | | 1 | | | | 1 | | 2 | 1.0 |
| Testes | + | 50 | | |
| Atrophy | 3 | 1 | | 1 | | | 4 | | | | | 1 | | | | 3 | 1 | | | | | 1 | 1 | 1 | | 13 | 1.8 |
| Degeneration, Cystic | 3 | | | | | | | | | | | 4 | | | | 4 | 4 | | | | 4 | | | | | 7 | 3.9 |

HEMATOPOIETIC SYSTEM

| | | | |
|--------------------------|----|---|-----|
| Bone Marrow | + | 50 | | |
| Hyperplasia | 2 | 4 | | | 3 | | | | | | | | | | | | | 1 | | | | | | | 9 | 1.8 |
| Hyperplasia, Histiocytic | | | | | | | | | | | | 3 | | | | | | | | | | | | | 1 | 3.0 |
| Lymph Node, Mandibular | + | 50 | | |
| Degeneration, Cystic | | | | | | | | | | | | | | 2 | 2 | | | | | | | | 1 | | 8 | 2.1 |

2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE

100 mg/kg | | DAY ON TEST | 0
7
2
8 | 0
6
6
8 | 0
5
1
3 | 0
7
2
8 | 0
6
3
6 | 0
3
4
4 | 0
7
2
9 | 0
7
2
8 | 0
5
8
4 | 0
7
0
6 | 0
7
2
7 | 0
7
2
8 | 0
7
2
8 | 0
7
2
7 | 0
7
2
9 | 0
7
2
9 | 0
7
2
8 | 0
7
2
9 | 0
6
0
4 | 0
6
5
0 | 0
6
0
8 | 0
7
2
8 | 0
7
2
7 | 0
7
2
7 | * TOTALS | | |
|--|--|-------------|----------|----|-----|
| | | ANIMAL ID | 0
0
0
8
6 | 0
0
0
8
7 | 0
0
0
8
8 | 0
0
0
8
9 | 0
0
0
9
0 | 0
0
0
9
1 | 0
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2 | 0
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3 | 0
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4 | 0
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5 | 0
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6 | 0
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7 | 0
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8 | 0
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1 | 0
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0
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1 | 0
0
0
0
1 | | | |
| | | | | | |
| Hyperplasia, Plasma Cell | | 3 | | | 1 | 3.0 |
| Lymph Node, Mesenteric | | + | | | 50 | |
| Spleen | | + | | | 50 | |
| Angiectasis | | 2 | | | 1 | 2.0 |
| Depletion Lymphoid | | 1 | | | 2 | 2.0 |
| Hematopoietic Cell Proliferation | | 4 | | | 1 | 4.0 |
| Thymus | | + | | | 49 | |
| INTEGUMENTARY SYSTEM | | | | | |
| Mammary Gland | | + | | | 50 | |
| Skin | | + | | | 50 | |
| Cyst Epithelial Inclusion | | X | | | 3 | |
| Hyperplasia | | 2 | | | 1 | 2.0 |
| Ulcer | | 4 | | | 4 | 4.0 |
| Hair Follicle, Cyst Epithelial Inclusion, Multiple | | X | | | 1 | |
| MUSCULOSKELETAL SYSTEM | | | | | |
| Bone | | + | | | 50 | |
| NERVOUS SYSTEM | | | | | |
| Brain | | + | | | 50 | |
| Ventricle, Developmental Malformation | | X | | | 1 | |
| Peripheral Nerve | | + | | | 1 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Lab: BAT

[illegible]

| | | | |
|--------------|---|---|-------|
| Spinal Cord | + | 1 | |
| Degeneration | 2 | | 1 2.0 |

RESPIRATORY SYSTEM

| | | | | |
|---|----|----|-----|-----|
| Lung | + | 50 | | | |
| Inflammation, Suppurative | | | | | | | | | | | 2 | | | | | | | | | | | | | | | 1 | 2.0 | |
| Inflammation, Chronic Active | | | | | | | | | | | | | 1 | 1 | | | | | | | | | | | | 6 | 1.0 | |
| Alveolar Epithelium, Hyperplasia | | | | | 1 | | | | | | | | 1 | 1 | 1 | | | | | | | | | | | 4 | 1.0 | |
| Alveolus, Infiltration Cellular, Histiocyte | 1 | | | | 1 | 1 | | | | | 1 | 1 | 1 | 1 | 2 | 2 | | | | 1 | 1 | | | | 1 | 21 | 1.1 | |
| Nose | + | 50 | | | |
| Foreign Body | | | | | | | | | | | | | | X | | | | | | | | | | | | 5 | | |
| Inflammation, Suppurative | | | | | | | | | | | 2 | | 1 | | | | | | | | 1 | | | | | 12 | 1.8 | |
| Epithelium, Goblet Cell, Nasopharyngeal Duct, Hyperplasia | | | | | | | | | | | | | | | | | | | | 2 | | | | | | 1 | 2.0 | |
| Epithelium, Nasopharyngeal Duct, Degeneration | | 1 | 2.0 | |
| Epithelium, Nasopharyngeal Duct, Metaplasia, Squamous | | 1 | 2.0 | |
| Goblet Cell, Nasopharyngeal Duct, Hyperplasia | | | | | | | | | 1 | | | | | | | | | | | | | | | | | 1 | 1.0 | |
| Lamina Propria, Mineralization | 1 | | | | 1 | 2 | 2 | | | | | 2 | | 1 | | 1 | 1 | 1 | | 1 | 3 | 1 | 1 | 2 | 2 | 3 | 33 | 1.4 |
| Lamina Propria, Pigmentation | | | | | | | | | | | 1 | | | | | | | | | | | | | | | 4 | 1.3 | |
| Lumen, Pigmentation, Histiocyte | | 1 | 3.0 | |
| Nasopharyngeal Duct, Foreign Body | | 2 | | |
| Nasopharyngeal Duct, Inflammation, Suppurative | | 6 | 1.5 | |
| Nerve, Atrophy | | | | | 2 | 2 | | | | | 2 | | 2 | 1 | 2 | 2 | 1 | | 1 | 2 | 2 | 2 | 2 | 1 | 1 | 33 | 1.7 | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | 2 | 3 | | | | | 1 | 3 | 3 | 1 | 2 | | 2 | 2 | 1 | | 1 | 2 | | 1 | 1 | 2 | 3 | 1 | 1 | 30 | 1.8 | |
| Olfactory Epithelium, Atrophy | | | | | 2 | 2 | 1 | | | | | 2 | | 2 | 1 | 2 | 2 | 1 | | 1 | 2 | 2 | 2 | 2 | 2 | 38 | 1.8 | |

2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE | DAY ON TEST | |
|---|-------------|
| | 0728 | 0668 | 0513 | 0728 | 0634 | 0374 | 0779 | 0778 | 0504 | 0776 | 0778 | 0778 | 0778 | 0778 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 | 0779 |
| 100 mg/kg | 0008 | 0008 | 0008 | 0008 | 0009 | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0001 | 0002 | 0003 | 0004 | 0005 |
| ANIMAL ID | 0008 | 0008 | 0008 | 0008 | 0009 | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0001 | 0002 | 0003 | 0004 | 0005 |
| * TOTALS | |
| Olfactory Epithelium, Hyperplasia, Basal Cell | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | 2 | 2 | 2 | | | 3 | 1 | 3 | | 3 | 2 | 3 | 2 | 2 | 1 | 1 | 3 | 3 | 3 | 3 | 2 | 2 | | | |
| Olfactory Epithelium, Necrosis | |
| Olfactory Epithelium, Pigmentation | | | | 2 | | | | | | 1 | 1 | | 1 | 1 | | | | | | 1 | | | | 2 | 3 | | | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | 1 | 2 | | | | | 1 | 1 | 1 | 2 | | 1 | 2 | 1 | | 2 | 2 | | 1 | 1 | 3 | 1 | 1 | 1 | | | | |
| Respiratory Epithelium, Atrophy | |
| Respiratory Epithelium, Hyperplasia | |
| Respiratory Epithelium, Metaplasia, Squamous | |
| Respiratory Epithelium, Pigmentation | | | | | | | | | | | 1 | 2 | | | | | | | | | | | 1 | | | | | |
| Turbinate, Deformity | | | | | | | | | | | X | | X | | | | | X | X | X | | | X | | | | | |
| Turbinate, Hyperostosis | | | | 1 | | | | | | | 2 | | 3 | | 2 | | 1 | | | | | | 1 | 1 | 2 | | | |
| Trachea | + | + | 50 |
| SPECIAL SENSES SYSTEM | |
| Eye | + | + | 50 |
| Synechia | | 2 | | | | | |
| Ciliary Body, Inflammation | |
| Retina, Dysplasia | |
| Harderian Gland | + | + | 50 |
| Inflammation | | 2 | | | | | |
| URINARY SYSTEM | |
| Kidney | + | + | 50 |
| Cyst | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Hydronephrosis | | | 3 | | 2 | |
| Inflammation | | | 2 | | | | | | 2 | | | | | | 2 | | 2 | | | | | | | 1 | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE | | DAY ON TEST | | 0727 | 0728 | 0646 | 0729 | 0728 | 0727 | 0727 | 0728 | 0727 | 0728 | 0727 | 0728 | 0729 | 0728 | 0729 | 0728 | 0727 | 0643 | 0729 | 0727 | 0727 | 0727 | 0727 | 0729 | males
(cont...) |
|----------------------|--|-------------|--|--------------------|
| | | ANIMAL ID | | 001111 | |
| 300 mg/kg | | | | 001111 | |
| | | | | 001111 | |
| | | | | 001111 | |

ALIMENTARY SYSTEM

Esophagus
 Muscularis, Degeneration

+ +

Intestine Large, Cecum

+ +

Intestine Large, Colon
 Parasite Metazoan
 Epithelium, Necrosis

+ +

Intestine Large, Rectum
 Parasite Metazoan

+ +

Intestine Small, Duodenum
 Epithelium, Regeneration
 Mucosa, Necrosis

+ +

Intestine Small, Ileum
 Mucosa, Necrosis

+ +

Intestine Small, Jejunum
 Mucosa, Necrosis
 Muscularis, Hyperplasia

+ +

Liver
 Angiectasis
 Basophilic Focus
 Clear Cell Focus
 Eosinophilic Focus

+
 1
 X
 X
 X

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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Experiment Number: 20203 - 03
 Test Type: CHRONIC
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE

300 mg/kg | DAY ON TEST | 0
7
2
7 | 0
7
2
8 | 0
6
4
6 | 0
7
2
9 | 0
7
2
8 | 0
7
2
7 | 0
7
2
7 | 0
7
2
8 | 0
7
2
7 | 0
5
8
5 | 0
7
2
8 | 0
7
2
9 | 0
7
2
9 | 0
7
2
8 | 0
7
2
9 | 0
7
2
8 | 0
7
2
7 | 0
6
4
3 | 0
7
2
9 | 0
7
2
7 | 0
7
2
7 | 0
7
2
7 | 0
7
2
7 | 0
7
2
9 | males
(cont...) | | |
|---|----------------------------------|--------------------|--|--|
| | ANIMAL ID | 0
0
1
1
1 | 0
0
1
1
1 | 0
0
1
1
1 | 0
0
1
1
1 | 0
0
1
1
1 | 0
0
1
1
1 | 0
0
1
1
1 | 0
0
1
1
1 | 0
0
1
1
2 | 0
0
0
2
1 | 0
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2
2 | 0
0
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2
2 | 0
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2
2 | 0
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2 | 0
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2
2 | 0
0
0
2
2 | 0
0
0
2
2 | 0
0
0
2
3 | 0
0
0
2
3 | 0
0
0
2
3 | 0
0
0
2
3 | 0
0
0
2
3 | 0
0
0
2
3 | 0
0
0
2
4 | | | |
| | Fatty Change | | | |
| | Hematopoietic Cell Proliferation | | | 1 | | | |
| | Hepatodiaphragmatic Nodule | | | |
| Inflammation | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | |
| Inflammation, Chronic Active | | | | |
| Mixed Cell Focus | | | X | | | | X | | | | | | X | | | | | X | | | | X | | X | | | | |
| Necrosis | | | | |
| Pigmentation | | | | |
| Vacuolization Cytoplasmic, Focal | | X | | | | | | |
| Bile Duct, Hyperplasia | | | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | 1 | | |
| Portal, Infiltration Cellular, Mononuclear Cell | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | + | | | | | | | | | | |
| Pancreas | | + | | |
| Pigmentation, Hemosiderin | | | | | 1 | | | |
| Acinus, Atrophy | | 2 | | 1 | | | 1 | 2 | | | | | | | | 1 | | 2 | | 2 | | 2 | | | | | | |
| Salivary Glands | | + | | |
| Duct, Cyst | | | | |
| Stomach, Forestomach | | + | | |
| Epithelium, Degeneration, Hydropic | | 2 | | | |
| Epithelium, Hyperplasia | | 3 | | | | | 2 | | | | | | | | | 1 | 1 | | | | 1 | | | | | | | |
| Stomach, Glandular | | + | | |
| Cyst, Squamous | | | | | | | | | | | | | | | | | | | | X | | | | | | | | |
| Mucosa, Hyalinization | | | | 1 | | | |
| Mucosa, Necrosis | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| | | | |
|----------------------|-----------|-------------|--------------------|
| WISTAR HAN RATS MALE | 300 mg/kg | DAY ON TEST | 0727 | 0728 | 0646 | 0722 | 0722 | 0722 | 0722 | 0722 | 0722 | 0528 | 0722 | 0722 | 0722 | 0722 | 0722 | 0722 | 0643 | 0722 | 0722 | 0722 | 0722 | 0722 | 0722 | 0722 | males
(cont...) |
| | | ANIMAL ID | 0011 | |
| | | | 1111 | |
| | | | 12 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | |

CARDIOVASCULAR SYSTEM

| | |
|---|---|
| Blood Vessel
Adventitia, Aorta, Inflammation | + |
| Heart
Cardiomyopathy
Inflammation
Epicardium, Inflammation | + |
| | 1 | 1 | | 1 | 1 | 1 | 1 | 2 | | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 3 | | 1 | 1 | 2 | 1 | 1 | | |
| | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |

ENDOCRINE SYSTEM

| | |
|---|---|
| Adrenal Cortex
Degeneration, Cystic
Hyperplasia
Hypertrophy | + |
| | 3 | | | 1 | | | 1 | | 2 | | | | 1 | | 2 | 1 | 1 | 1 | 1 | | 1 | | 2 | 1 | 1 | |
| | | | | 2 | | | | | 3 | | | | | | 1 | | | 2 | 2 | | 2 | | 2 | 3 | | |
| Adrenal Medulla
Hyperplasia | + |
| Islets, Pancreatic | + |
| Parathyroid Gland
Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | 2 |
| Pituitary Gland
Pars Distalis, Hyperplasia
Pars Intermedia, Hyperplasia | + |
| | | | 3 | | | | 1 | | | | | | | 2 | | | | | 1 | | 1 | | | | 1 | |
| | |
| Thyroid Gland
Amyloid Deposition | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | |
|---------------------------------------|-------------|--------------------|
| WISTAR HAN RATS MALE

300 mg/kg | DAY ON TEST | 0727 | 0728 | 0646 | 0729 | 0728 | 0727 | 0727 | 0728 | 0727 | 0528 | 0728 | 0729 | 0728 | 0729 | 0728 | 0729 | 0728 | 0727 | 0643 | 0729 | 0727 | 0727 | 0727 | 0727 | 0729 | males
(cont...) |
| | ANIMAL ID | 0011 | |
| | | 111 | |
| | | 111 | |
| | | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 110 | 111 | 112 | 113 | 114 | 115 | 116 | 117 | 118 | 119 | 110 | 111 | 112 | 113 | 114 | 115 | |
| C-cell, Hyperplasia | | 2 | | 1 | 1 | 1 | 2 | 1 | | | | 1 | 1 | 1 | | 1 | 1 | 2 | 3 | | | 3 | 1 | 1 | | | |
| Follicular Cell, Hyperplasia | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | |
|-------------------------|--|--|
| Epididymis | + | | |
| Granuloma Sperm | 3 | | |
| Preputial Gland | + | | |
| Prostate | + | | |
| Epithelium, Hyperplasia | 1 | | | | | | | | | | 1 | | | | | 1 | | | | | 2 | | | | | | |
| Seminal Vesicle | + | | |
| Testes | + | | |
| Atrophy | 3 | | | | | | 4 | | | | 1 | | 2 | | | 1 | 4 | | 4 | 1 | | | | | | | |
| Degeneration, Cystic | | | | | | | | | | | | | 4 | | 4 | | | 3 | 4 | | | | | | | | |

HEMATOPOIETIC SYSTEM

| |
|------------------------|
| Bone Marrow | + |
| Hyperplasia | 1 | 1 | | | | | 1 | | | | | | | | | 1 | | | 2 | | 2 | | | | 1 |
| Lymph Node |
| Lymph Node, Mandibular | + |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| WISTAR HAN RATS MALE

300 mg/kg | | DAY ON TEST | | | | | | males
(cont...) |
|---|--|-----------------------|---|--|--|--|--------------------|
| | | | | | | | |
| | | | | | | | |
| ANIMAL ID | | 0
7
2
7 | 0
7
2
8 | 0
6
4
6 | 0
7
2
9 | 0
7
2
8 | 0
7
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7 | 0
7
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7 | 0
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7 | 0
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3
4 | 0
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3
5 | | | | | |
| Degeneration, Cystic Hemorrhage
Hyperplasia, Plasma Cell | | 2 | | | | | |
| Lymph Node, Mesenteric Degeneration, Cystic Hemorrhage | | 2 | | | | | |
| | | + | + | | | | |
| Spleen
Depletion Lymphoid
Hematopoietic Cell Proliferation
Hyperplasia, Lymphoid | | + | + | | | | |
| | | 1 | | | | | |
| | | 2 | | | | | |
| Thymus | | + | + | | | | |
| INTEGUMENTARY SYSTEM | | | | | | | |
| Mammary Gland | | + | + | | | | |
| Skin
Cyst Epithelial Inclusion
Ulcer | | + | + | | | | |
| | | X | | | | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | |
| Bone | | + | + | | | | |
| NERVOUS SYSTEM | | | | | | | |
| Brain | | + | + | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE | DAY ON TEST | |
|----------------------|-----------------|
| | 0727 | 0728 | 0646 | 0722 | 0728 | 0727 | 0727 | 0727 | 0728 | 0727 | 0525 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0727 | 0624 | 0722 | 0722 | 0722 | 0722 | 0722 | 0722 | 0722 | 0722 | 0722 |
| 300 mg/kg | 0011 | 0011 |
| ANIMAL ID | 1111 | 2222 | 3333 | 4444 | 5555 | 6666 | 7777 | 8888 | 9999 | 0000 | 1111 | 2222 | 3333 | 4444 | 5555 | 6666 | 7777 | 8888 | 9999 | 0000 | 1111 | 2222 | 3333 | 4444 | 5555 | 6666 | 7777 | 8888 |
| | males (cont...) | |

RESPIRATORY SYSTEM

| | |
|---|---|
| Lung | + |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | | | 4 | | | | | | | | |
| Inflammation, Chronic Active | | | | | | | 2 | | | | | | 1 | | | 1 | | | | | | | | | | | 1 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | | 1 | | 2 | | | | | | 4 | | | |
| Alveolus, Infiltration Cellular, Histiocyte | 1 | | 1 | | | | 1 | 1 | | 1 | 1 | 1 | 1 | 1 | | 1 | 1 | 1 | | | | | | | 1 | 1 | |
| Bronchiole, Hyperplasia |
| Nose | + |
| Foreign Body | | | | | | | X | | | | | | | | | | X | | | | | | | | | | |
| Inflammation, Suppurative | | | | | | | 2 | | | | | | | 1 | | 1 | | | 3 | | | | | 2 | 1 | 3 | |
| Epithelium, Goblet Cell, Nasopharyngeal Duct, Hyperplasia | |
| Epithelium, Nasopharyngeal Duct, Hyperplasia | 1 |
| Epithelium, Nasopharyngeal Duct, Regeneration |
| Lamina Propria, Mineralization | 1 | 2 | 2 | 1 | 1 | 1 | 1 | | | | 1 | 1 | 1 | 3 | 1 | | 1 | | 1 | | | | | 2 | 1 | 1 | |
| Lamina Propria, Pigmentation | | | | | 3 | | | 1 | | | | | | | 1 | | | | | | | | | | | | |
| Nasopharyngeal Duct, Foreign Body | X | | | | |
| Nasopharyngeal Duct, Inflammation, Suppurative | | | | | | | 3 | | | | | | | | | | | | 2 | | | 2 | | | | | 3 |
| Nerve, Atrophy | 2 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 1 | 2 | 1 | 3 | | 3 | | | 2 | | 2 | 2 | 2 | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | | | 1 | 1 | | | 3 | 1 | | | | 1 | 1 | 1 | 2 | 3 | | | | | | 2 | | 1 | |
| Olfactory Epithelium, Atrophy | 2 | | 2 | 2 | 2 | 2 | 2 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | | | | | 1 | 1 | 2 | 2 | 2 |
| Olfactory Epithelium, Hyperplasia, Basal Cell | | | 1 | | | | 1 | | | | | | | 1 | | | | | 1 | | | 1 | | 1 | | | |
| Olfactory Epithelium, Metaplasia, Respiratory | 3 | 2 | 2 | 2 | 2 | 1 | 3 | 3 | | 3 | 2 | 2 | 3 | 1 | 3 | 2 | 3 | | 3 | | | 2 | 2 | 3 | 3 | 3 | |
| Olfactory Epithelium, Pigmentation | | 1 | 1 | 1 | | | 1 | | | | | | | | | | | | | | | | | | | | 2 |
| Olfactory Epithelium, Squamous Metaplasia |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

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 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE

300 mg/kg | | DAY ON TEST | | | | | | | | | males
(cont...) |
|---|--|-----------------------|--|--|--|--|--|--|--|--------------------|
| | | 0
2
7 | 0
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9 | | | | | | | | | |
| | | ANIMAL ID | | | | | | | | | |
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3 | 0
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3
4 | 0
0
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3
5 | | | | | | | | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | 3 | | | 1 | 2 | 2 | 3 | | 3 | 2 | | | | 1 | 1 | 2 | 2 | 2 | | | | | 2 | | 1 | | | | | | | | |
| Respiratory Epithelium, Atrophy | | | 1 | | | | | | | | | | |
| Respiratory Epithelium, Hyperplasia | | | | | | | | 1 | | | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| Respiratory Epithelium, Metaplasia, Squamous | | | | | | | | | | |
| Respiratory Epithelium, Pigmentation | | | | | | | | | | |
| Turbinate, Deformity | | | | X | | X | | X | X | | | | | X | X | | X | | X | X | | | X | X | X | | | | | | | | | |
| Turbinate, Hyperostosis | | | | | | | 2 | | 2 | | 2 | | 2 | 1 | 1 | | | | 2 | 1 | | | 2 | 2 | 2 | | | | | | | | | |
| Trachea | | + | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | | | |

SPECIAL SENSES SYSTEM

| | |
|-----------------|--|
| Eye | + | |
| Cataract | |
| Synechia | |
| Retina, Atrophy | |
| Harderian Gland | + | |
| Hyperplasia | |

URINARY SYSTEM

| | |
|--------------------------------------|--|
| Kidney | + | |
| Cyst | | | 2 | |
| Hydronephrosis | | | | 2 | |
| Inflammation | | | | | 2 | 1 | 2 | 1 | | | 2 | | | | | | | | | | 1 | 2 | | | | | | |
| Nephropathy | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | | 2 | 1 | 1 | 1 | 1 | 1 | | 2 | 1 | 1 | 1 | 1 | | | |
| Renal Tubule, Hyperplasia | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | | | |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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1) Minimal 3) Moderate

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 Lab: BAT

| WISTAR HAN RATS MALE

300 mg/kg | DAY ON TEST | 0
7
2
7 | 0
7
2
8 | 0
6
4
6 | 0
7
2
9 | 0
7
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8 | 0
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7 | 0
7
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8 | 0
5
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5 | 0
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8 | 0
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9 | 0
7
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8 | 0
7
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9 | 0
7
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8 | 0
7
2
8 | 0
6
4
3 | 0
7
2
9 | 0
7
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7 | 0
7
2
7 | 0
7
2
7 | 0
7
2
9 | males
(cont...) | | |
|---------------------------------------|-------------|--------------------|-----------------------|-----------------------|
| | ANIMAL ID | 0
0
1
1
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0
1
1
2 | 0
0
1
1
3 | 0
0
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1
4 | 0
0
1
1
5 | 0
0
1
1
6 | 0
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7 | 0
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8 | 0
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1
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9 | 0
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4 | 0
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7 | 0
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9 | 0
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4 | 0
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5 |
| | | | | |
| | | | | |
| Urinary Bladder | | + | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Lab: BAT

| | | |
|-------------|--|----------|
| DAY ON TEST | | 07 | 07 | 06 | 07 | 05 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | * TOTALS |
| | | 22 | 22 | 02 | 22 | 29 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | |
| ANIMAL ID | | 00 | |
| | | 11 | |
| | | 33 | 33 | 33 | 33 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 44 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 66 | |
| | | 67 | 67 | 68 | 69 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 00 | |

Lab: BAT

| WISTAR HAN RATS MALE

300 mg/kg | | DAY ON TEST | * TOTALS | | | | | | |
|---|--|---|----------|--|--------|--------|--------|--------|--------|
| | | 0727 | 0729 | 0608 | 0728 | 0596 | 0728 | 0729 | 0729 | 0729 | 0727 | 0224 | 0729 | 0727 | 0727 | 0728 | 0728 | 0729 | 0727 | 0727 | 0721 | | | 0729 | 0729 | 0729 | 0727 | 0729 |
| | | 000136 | 000137 | 000138 | 000139 | 000140 | 000141 | 000142 | 000143 | 000144 | 000145 | 000146 | 000147 | 000148 | 000149 | 000150 | 000151 | 000152 | 000153 | 000154 | 000155 | | | 000156 | 000157 | 000158 | 000159 | 000160 |
| | | | | | | | | | |
| Fatty Change | | 2 | | | | | | | | | | | | | | | | | | | | 1 2.0 | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | | | | | | |
| Hepatodiaphragmatic Nodule | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| Inflammation | | 1 1 | | | | | | | | | | | | | | | | | | | | 5 1.0 | | | | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | | | | | | |
| Mixed Cell Focus | | X X X | | | | | | | | | | | | | | | | | | | | 12 | | | | | | |
| Necrosis | | 2 | | | | | | | | | | | | | | | | | | | | 2 1.5 | | | | | | |
| Pigmentation | | 2 | | | | | | | | | | | | | | | | | | | | 1 2.0 | | | | | | |
| Vacuolization Cytoplasmic, Focal | | X X X X X 2 | 9 | | | | | | |
| Bile Duct, Hyperplasia | | 1 | | | | | | | | | | | | | | | | | | | | 6 1.2 | | | | | | |
| Portal, Infiltration Cellular, Mononuclear Cell | | 2 | | | | | | | | | | | | | | | | | | | | 2 1.5 | | | | | | |
| Mesentery | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| Pancreas | | + | | | | | | | | | | | | | | | | | | | | 50 | | | | | | |
| Pigmentation, Hemosiderin | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | | | | | | |
| Acinus, Atrophy | | 1 | | | | | | | | | | | | | | | | | | | | 9 1.4 | | | | | | |
| Salivary Glands | | + | | | | | | | | | | | | | | | | | | | | 50 | | | | | | |
| Duct, Cyst | | 4 | | | | | | | | | | | | | | | | | | | | 1 4.0 | | | | | | |
| Stomach, Forestomach | | + | | | | | | | | | | | | | | | | | | | | 50 | | | | | | |
| Epithelium, Degeneration, Hydropic | | | | | | | | | | | | | | | | | | | | | | 1 2.0 | | | | | | |
| Epithelium, Hyperplasia | | 2 | | | | | | | | | | | | | | | | | | | | 7 1.6 | | | | | | |
| Stomach, Glandular | | + | | | | | | | | | | | | | | | | | | | | 50 | | | | | | |
| Cyst, Squamous | | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| Mucosa, Hyalinization | | | | | | | | | | | | | | | | | | | | | | 1 1.0 | | | | | | |
| Mucosa, Necrosis | | 2 | | | | | | | | | | | | | | | | | | | | 3 1.7 | | | | | | |

2) Mild 4) Marked

Lab: BAT

[illegible]

CARDIOVASCULAR SYSTEM

[illegible]

ENDOCRINE SYSTEM

[illegible]

2) Mild 4) Marked

| WISTAR HAN RATS MALE

300 mg/kg | | DAY ON TEST | | 0727 | 0729 | 0608 | 0728 | 0526 | 0728 | 0729 | 0729 | 0727 | 0224 | 0729 | 0727 | 0727 | 0728 | 0728 | 0729 | 0727 | 0727 | 0721 | 0729 | 0729 | 0729 | 0727 | 0729 | * TOTALS | | | |
|---------------------------------------|--|-------------|--|----------|--|-------|---|
| | | ANIMAL ID | | 00136 | 00137 | 00138 | 00139 | 00140 | 00141 | 00142 | 00143 | 00144 | 00145 | 00146 | 00147 | 00148 | 00149 | 00150 | 00151 | 00152 | 00153 | 00154 | 00155 | 00156 | 00157 | 00158 | 00159 | | | 00160 | |
| | | | | 1 | | | 1 | |
| | | | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 5 | 5 | 6 | 7 | | | 8 | 9 |
| C-cell, Hyperplasia | | 1 | | 2 | | 1 | | 1 | | 2 | | 3 | | 1 | | 1 | | 1 | | 1 | | 1 | | 2 | | 2 | | 30 | | 1.4 | |
| Follicular Cell, Hyperplasia | | | | | | | | 2 | | | | | | | | | | 2 | | 2 | | | | | | | | 3 | | 2.0 | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | |
|-------------------------|----|----|-----|-----|
| Epididymis | + | 50 | 1 | 3.0 | |
| Granuloma Sperm | | | | |
| Preputial Gland | + | 50 | | | |
| Prostate | + | 50 | 6 | 1.3 | |
| Epithelium, Hyperplasia | | | | | | 1 | 2 | | | | | | | | | | | | | | | | | | | | | |
| Seminal Vesicle | + | 50 | | | |
| Testes | + | 50 | 13 | 2.5 | |
| Atrophy | 2 | | | | | 4 | | | | | | | 4 | | 1 | | | 1 | | | | | | | | | | 7 |
| Degeneration, Cystic | 4 | | | | | | | | | | | | 4 | | | | | | | | | | 3 | | | | | 3.7 |

HEMATOPOIETIC SYSTEM

| | | | |
|------------------------|----|----|-----|
| Bone Marrow | + | 50 | 11 | 1.4 |
| Hyperplasia | | 1 | 3 | | 1 | | | | | | | | | | | | | | | | | | | 1 | | | |
| Lymph Node | | | | | | | | | | | + | | | | | | | | | | | | | | 1 | | |
| Lymph Node, Mandibular | + | 50 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

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2) Mild 4) Marked

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 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE

300 mg/kg | | DAY ON TEST | | 0 | * TOTALS | |
|--|--|-------------|----|----------|-----|
| | | | | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 2 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | |
| | | ANIMAL ID | | 0 | | 0 |
| | | 1 | 1 | | |
| | | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |
| Degeneration, Cystic Hemorrhage | | 2 | | 4 | 2.0 |
| Hyperplasia, Plasma Cell | | 2 | | 1 | 2.0 |
| | | 2 | | 2 | 2.0 |
| Lymph Node, Mesenteric Degeneration, Cystic Hemorrhage | | + | + | 50 | 1 | 2.0 |
| | | 2 | | 1 | 2.0 |
| Spleen | | + | + | 50 | 1 | 1.0 |
| Depletion Lymphoid | | | | 1 | 1.0 |
| Hematopoietic Cell Proliferation | | | | 1 | 1.0 |
| Hyperplasia, Lymphoid | | | | 1 | 2.0 |
| Thymus | | + | + | 50 | | |
| INTEGUMENTARY SYSTEM | | | | | |
| Mammary Gland | | + | + | 50 | | |
| Skin | | + | + | 50 | 1 | |
| Cyst Epithelial Inclusion | | | | 2 | |
| Ulcer | | 4 | | 4 | 4.0 |
| MUSCULOSKELETAL SYSTEM | | | | | |
| Bone | | + | + | 50 | | |
| NERVOUS SYSTEM | | | | | |
| Brain | | + | + | 50 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE | | DAY ON TEST | | * TOTALS | |
|----------------------|--|-------------|----------|-------|
| | | 0727 | 0729 | 0608 | 0728 | 0529 | 0728 | 0729 | 0729 | 0729 | 0224 | 0729 | 0727 | 0727 | 0727 | 0728 | 0728 | 0729 | 0727 | 0727 | 0721 | 0729 | 0729 | 0729 | 0727 | | 0729 |
| 300 mg/kg | | ANIMAL ID | | * TOTALS | |
| | | 00136 | 00137 | 00138 | 00139 | 00140 | 00141 | 00142 | 00143 | 00144 | 00145 | 00146 | 00147 | 00148 | 00149 | 00150 | 00151 | 00152 | 00153 | 00154 | 00155 | 00156 | 00157 | 00158 | 00159 | | 00160 |
| | | 00161 | 00162 | 00163 | 00164 | 00165 | 00166 | 00167 | 00168 | 00169 | 00170 | 00171 | 00172 | 00173 | 00174 | 00175 | 00176 | 00177 | 00178 | 00179 | 00180 | 00181 | 00182 | 00183 | 00184 | | 00185 |
| | | 00186 | 00187 | 00188 | 00189 | 00190 | 00191 | 00192 | 00193 | 00194 | 00195 | 00196 | 00197 | 00198 | 00199 | 00200 | 00201 | 00202 | 00203 | 00204 | 00205 | 00206 | 00207 | 00208 | 00209 | | 00210 |

RESPIRATORY SYSTEM

| | | | | |
|---|----|-----|-----|-----|
| Lung | + | 50 | | | |
| Inflammation, Suppurative | | | 4 | | 3 | | | | | | | | | | | | | | | | | | | 3 | 3.7 | | |
| Inflammation, Chronic Active | 1 | | | | | | | | | | | | | | | 1 | | | | | 1 | | | 7 | 1.1 | | |
| Alveolar Epithelium, Hyperplasia | 1 | | | | | | | | | | | | | 3 | | | | | | | | | | 5 | 2.2 | | |
| Alveolus, Infiltration Cellular, Histiocyte | 1 | | 2 | | | | | | 1 | 1 | | 2 | 2 | | 1 | 1 | 1 | 1 | | 1 | 1 | | 2 | 1 | 28 | 1.1 | |
| Bronchiole, Hyperplasia | | | | | | | | | | | | | | | | | 1 | | | | | | | 1 | 1.0 | | |
| Nose | + | 50 | | | |
| Foreign Body | | | | | | | | | | | | | | | | | | | | X | | | X | 4 | | | |
| Inflammation, Suppurative | | | 2 | 1 | 2 | | | 3 | | 2 | | 1 | 2 | | | 3 | 1 | 2 | | | 2 | | 2 | 3 | 20 | 2.0 | |
| Epithelium, Goblet Cell, Nasopharyngeal Duct, Hyperplasia | | | | | | | | | | | | | | | | | | | 1 | | | | | 1 | 1.0 | | |
| Epithelium, Nasopharyngeal Duct, Hyperplasia | 1 | | 2 | 1.0 | | |
| Epithelium, Nasopharyngeal Duct, Regeneration | | | | | 2 | | | | | | | | | 1 | | | | | | | | | | 2 | 1.5 | | |
| Lamina Propria, Mineralization | 1 | | 2 | 1 | | | | 2 | | 2 | 3 | 1 | 1 | 3 | 1 | 1 | 1 | 1 | | 1 | | 2 | 2 | 1 | 34 | 1.4 | |
| Lamina Propria, Pigmentation | | 1 | | | | | | | | | | 2 | | | | 1 | | 2 | 2 | 1 | | | 3 | 1 | 11 | 1.6 | |
| Nasopharyngeal Duct, Foreign Body | | 1 | | |
| Nasopharyngeal Duct, Inflammation, Suppurative | | | | | 2 | | | | | | | | | 2 | 1 | | | | | | | | | 1 | 8 | 2.0 | |
| Nerve, Atrophy | 2 | 2 | 2 | 2 | 2 | 1 | | 2 | | 2 | 2 | 3 | 2 | 2 | 3 | 3 | 2 | 2 | 1 | 2 | 2 | 2 | 1 | 2 | 3 | 44 | 2.0 |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | 1 | 2 | | 1 | 3 | | 1 | | | | | | | 1 | 2 | 1 | | 1 | | | 2 | 2 | 22 | 1.5 | |
| Olfactory Epithelium, Atrophy | 2 | 2 | 2 | 2 | 2 | | | 2 | | 2 | 3 | 3 | 2 | 2 | 1 | | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 2 | 3 | 41 | 2.0 |
| Olfactory Epithelium, Hyperplasia, Basal Cell | | | | | | | | | | | | 1 | | | | | 1 | 1 | | | | | | | 9 | 1.0 | |
| Olfactory Epithelium, Metaplasia, Respiratory | 2 | 3 | 3 | 2 | 3 | 2 | | 3 | | 3 | 2 | 3 | 3 | 1 | 3 | 3 | | 2 | 1 | 3 | 3 | 2 | | 2 | 3 | 43 | 2.4 |
| Olfactory Epithelium, Pigmentation | 2 | 1 | 1 | | | | | | | | | 1 | | | | | | 1 | | 1 | 2 | | | | 12 | 1.3 | |
| Olfactory Epithelium, Squamous Metaplasia | | | | | 1 | | | | | | | | | | | | | | | | | | | | 1 | 1.0 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
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Experiment Number: 20203 - 03
 Test Type: CHRONIC
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE

300 mg/kg | | DAY ON TEST | | 0 | * TOTALS |
|---|--|-------------|----|----------|
| | | | | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | |
| | | ANIMAL ID | | 2 | 2 | 0 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 2 | 2 | 2 | 2 | |
| | | 7 | 9 | 8 | 8 | 6 | 8 | 9 | 9 | 9 | 7 | 4 | 9 | 7 | 7 | 8 | 8 | 9 | 7 | 7 | 1 | 9 | 9 | 9 | 9 | 7 | 9 | |
| | | 0 | 0 | |
| | | 0 | 0 | |
| | | 1 | 1 | |
| | | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | | 1 | 2 | 1 | | | 2 | | | 2 | | 2 | | | | 1 | 2 | 1 | 1 | 1 | 2 | | 2 | 1 | 2 | 29 | 1.7 |
| Respiratory Epithelium, Atrophy | | | | | 1 | | 2 | | | | 1 | | | | | | | | | | | | | 2 | | | 5 | 1.4 |
| Respiratory Epithelium, Hyperplasia | | | | | | | | | | | 1 | | | | | | | | 1 | | | | | | | | 4 | 1.3 |
| Respiratory Epithelium, Metaplasia, Squamous | | | | 2 | | 1 | | | | | | | | | | | | | | | 1 | | | | | | 3 | 1.3 |
| Respiratory Epithelium, Pigmentation | | | | 1 | | | | | 1 | | | | 1 | | | 1 | | | | 1 | | 2 | | | 1 | | 7 | 1.1 |
| Turbinate, Deformity | | | X | X | | | | | X | | | | X | | | 1 | | X | X | X | X | | | | X | X | 22 | |
| Turbinate, Hyperostosis | | 1 | 3 | 3 | | 1 | | | 3 | | 2 | | 2 | 3 | | 2 | 2 | 3 | | 2 | 2 | 1 | 1 | | 2 | | 27 | 1.9 |
| Trachea | | + | + | 50 | |
| Epithelium, Hyperplasia | | | | 1 | | 1 | 1.0 |
| SPECIAL SENSES SYSTEM | | | | |
| Eye | | + | + | 50 | |
| Cataract | | | 1 | 1.0 |
| Synechia | | | 1 | 4.0 |
| Retina, Atrophy | | | 2 | 3.0 |
| Harderian Gland | | + | + | 50 | |
| Hyperplasia | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | 1 | 2.0 |
| URINARY SYSTEM | | | | |
| Kidney | | + | + | 50 | |
| Cyst | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 2 | 1.5 |
| Hydronephrosis | | | 2 | 1.5 |
| Inflammation | | | 3 | 1 | | 1 | | 1 | | 1 | | | | | | | | | | | 3 | | 2 | | | | 13 | 1.7 |
| Nephropathy | | | 1 | | 1 | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 1 | | 2 | 44 | 1.1 |
| Renal Tubule, Hyperplasia | | | 2 | 1.0 |
| Transitional Epithelium, Hyperplasia | | | 1 | 1.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

| WISTAR HAN RATS MALE

300 mg/kg | | DAY ON TEST | | | | | | | * TOTALS |
|---------------------------------------|--|-----------------------|----|--|--|--|--|----------|
| | | 0
7
2
7 | 0
7
2
9 | 0
6
0
8 | 0
7
2
8 | 0
5
9
6 | 0
7
2
8 | 0
7
2
9 | 0
7
2
9 | 0
7
2
9 | 0
7
2
7 | 0
2
2
4 | 0
7
2
9 | 0
7
2
7 | 0
7
2
7 | 0
7
2
8 | 0
7
2
8 | 0
7
2
9 | 0
7
2
7 | 0
7
2
7 | 0
7
0
1 | 0
7
2
9 | 0
7
2
9 | 0
7
2
9 | 0
7
2
7 | 0
7
2
9 | | | | | | |
| | | ANIMAL ID | | | | | | | |
| | | 0
0
1
3
6 | 0
0
1
3
7 | 0
0
1
3
8 | 0
0
1
3
9 | 0
0
1
4
0 | 0
0
1
1
1 | 0
0
1
4
2 | 0
0
1
4
3 | 0
0
1
4
4 | 0
0
1
4
5 | 0
0
1
4
6 | 0
0
1
4
7 | 0
0
1
4
8 | 0
0
1
1
9 | 0
0
1
1
0 | 0
0
1
1
1 | 0
0
1
1
2 | 0
0
1
1
3 | 0
0
1
1
4 | 0
0
1
1
5 | 0
0
1
1
6 | 0
0
1
1
7 | 0
0
1
1
8 | 0
0
1
1
9 | 0
0
1
1
0 | | | | | | |
| Urinary Bladder | | + | 50 | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
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I .. Insufficient tissue

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1-4 .. Lesion qualified as:
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 Green tea extract
 CAS Number: GREENTEAEXTR

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 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE | DAY ON TEST | | males
(cont...) |
|----------------------|--------------------|
| | 0
9
2 | 0
6
8 | 0
1
9 | 0
0
9 | 0
7
2 | 0
7
2 | 0
0
9 | 0
6
1 | 0
7
2 | 0
7
2 | 0
7
2 | 0
5
9 | 0
7
2 | 0
7
2 | 0
0
9 | 0
7
2 | 0
7
2 | 0
3
3 | 0
7
2 | 0
1
0 | 0
7
2 | 0
6
9 | 0
3
5 | 0
7
2 | 0
5
8 | |
| 1000 mg/kg | 0
0
1
6
1 | 0
0
1
6
2 | 0
0
1
6
3 | 0
0
1
6
4 | 0
0
1
6
5 | 0
0
1
6
6 | 0
0
1
6
7 | 0
0
1
6
8 | 0
0
1
6
9 | 0
0
1
7
0 | 0
0
1
7
1 | 0
0
1
7
2 | 0
0
1
7
3 | 0
0
1
7
4 | 0
0
1
7
5 | 0
0
1
7
6 | 0
0
1
7
7 | 0
0
1
7
8 | 0
0
1
7
9 | 0
0
1
8
0 | 0
0
1
8
1 | 0
0
1
8
2 | 0
0
1
8
3 | 0
0
1
8
4 | 0
0
1
8
5 | |

ALIMENTARY SYSTEM

| | |
|--|---|
| Esophagus
Perforation | + |
| | | | X | | | | | | | | | | | | | | | | | X | | | | | |
| Intestine Large, Cecum
Inflammation
Ulcer
Epithelium, Hyperplasia | + |
| | | 1 | |
| Intestine Large, Colon
Inflammation
Epithelium, Necrosis | + |
| Intestine Large, Rectum
Inflammation | + |
| | | 3 | |
| Intestine Small, Duodenum
Mucosa, Necrosis | + | + | A | + |
| | | | | | | | | 2 | | | | | | | | | | | | | | | | | 4 |
| Intestine Small, Ileum
Mucosa, Necrosis | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | A | + | + | + | + | + |
| | | 1 | | | | 1 |
| Intestine Small, Jejunum
Mucosa, Necrosis | + | + | A | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| | | 1 | | | | | | 1 | | | | | | | | | | | | | | | | | 1 |
| Liver
Basophilic Focus
Clear Cell Focus
Degeneration, Cystic | + | + | + | + | + | X | + | + | + | + | + | + | + | + | + | + | + | + | + | X | + | X | + | + | + |
| | | | | | | X | X | | X | X | X | | X | | X | X | | X | | X | | | X | | |
| | | | | | | | | 3 | | | | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE

1000 mg/kg | | DAY ON TEST | 0
0
9
2 | 0
6
6
8 | 0
1
0
9 | 0
0
9
2 | 0
7
2
9 | 0
7
2
9 | 0
0
9
2 | 0
6
1
5 | 0
7
2
7 | 0
7
2
8 | 0
7
2
7 | 0
5
9
4 | 0
7
2
7 | 0
7
2
8 | 0
3
3
6 | 0
7
2
7 | 0
1
0
9 | 0
7
2
9 | 0
6
9
9 | 0
3
5
2 | 0
7
2
8 | 0
5
8
8 | males
(cont...) | | |
|--|--|-------------|--------------------|-----------------------|-----------------------|
| | | ANIMAL ID | 0
0
1
6
1 | 0
0
1
6
2 | 0
0
1
6
3 | 0
0
1
6
4 | 0
0
1
6
5 | 0
0
1
6
6 | 0
0
1
6
7 | 0
0
1
6
8 | 0
0
1
6
9 | 0
0
1
7
0 | 0
0
1
7
1 | 0
0
1
7
2 | 0
0
1
7
3 | 0
0
1
7
4 | 0
0
1
7
5 | 0
0
1
7
6 | 0
0
1
7
7 | 0
0
1
7
8 | 0
0
1
8
0 | 0
0
1
8
1 | 0
0
1
8
2 | 0
0
1
8
3 | | 0
0
1
8
4 | 0
0
1
8
5 |
| Fatty Change | | 2 | | | |
| Hepatodiaphragmatic Nodule | | | | | |
| Inflammation | | | | | |
| Mixed Cell Focus | | X | | | |
| Necrosis | | X | | | |
| Pigmentation | | 4 | | | |
| Vacuolization Cytoplasmic, Focal | | 2 | | | |
| Bile Duct, Hyperplasia | | 3 | | | |
| Bile Duct, Hyperplasia, Cystic | | 4 | | | |
| Oval Cell, Hyperplasia | | 1 | | | |
| | | 2 | | | |
| Mesentery | | | | | |
| Necrosis | | | | | |
| Pancreas | | + | | | |
| Acinus, Atrophy | | + | | | |
| Acinus, Necrosis | | + | | | |
| Salivary Glands | | + | | | |
| Necrosis | | + | | | |
| Stomach, Forestomach | | + | | | |
| Ulcer | | 1 | | | |
| Epithelium, Hyperplasia | | 1 | | | |
| Stomach, Glandular | | + | | | |
| Inflammation | | + | | | |
| Mineralization | | + | | | |
| Mucosa, Necrosis | | 3 | | | |

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 + .. Tissue examined microscopically
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 Lab: BAT

| WISTAR HAN RATS MALE | DAY ON TEST | |
|----------------------|-----------------|
| | 0092 | 0068 | 0019 | 0002 | 0079 | 0079 | 0002 | 0065 | 0077 | 0077 | 0077 | 0054 | 0077 | 0077 | 0002 | 0072 | 0072 | 0036 | 0073 | 0019 | 0072 | 0069 | 0035 | 0072 | 0058 |
| 1000 mg/kg | ANIMAL ID |
| | 00161 | 00016 | 00066 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| | males (cont...) | |

CARDIOVASCULAR SYSTEM

Blood Vessel
 Adventitia, Aorta, Inflammation

+ +

Heart
 Cardiomyopathy
 Inflammation
 Epicardium, Inflammation
 Myocardium, Necrosis
 Pericardium, Inflammation

+
 2 1
 2
 2
 2
 2

ENDOCRINE SYSTEM

Adrenal Cortex
 Hyperplasia
 Hypertrophy
 Necrosis

+
 1
 2
 3

Adrenal Medulla

+ +

Islets, Pancreatic

+ +

Parathyroid Gland
 Hyperplasia
 Inflammation

+ + + + + + + + + + + M + + + M + + + + + M + + +
 2
 2

Pituitary Gland
 Pars Distalis, Hyperplasia

+
 1 4 2

Thyroid Gland

+ M + +

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue
 X .. Lesion present A .. Autolysis precludes evaluation
 I .. Insufficient tissue BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| | | | | | | | | | | | | | | | |
|--|-------------|--------------------|-----------------------|---|---|---|---|---|---|---|--|--|--|--|--|
| WISTAR HAN RATS MALE

1000 mg/kg | DAY ON TEST | 0
0
9
2 | 0
6
6
8 | 0
1
0
9 | 0
0
9
2 | 0
7
2
9 | 0
7
2
9 | 0
0
9
2 | 0
6
1
5 | 0
7
2
7 | 0
7
2
8 | 0
7
2
7 | 0
5
9
4 | 0
7
2
7 | 0
0
9
2 | 0
7
2
8 | 0
7
2
8 | 0
3
3
6 | 0
7
2
7 | 0
1
0
9 | 0
7
2
9 | 0
6
9
9 | 0
3
5
2 | 0
7
2
8 | 0
5
8
8 | males
(cont...) | | | | | | | | | | | | | |
| | ANIMAL ID | 0
0
1
6
1 | 0
0
1
6
2 | 0
0
1
6
3 | 0
0
1
6
4 | 0
0
1
6
5 | 0
0
1
6
6 | 0
0
1
6
7 | 0
0
1
6
8 | 0
0
1
6
9 | 0
0
1
7
0 | 0
0
1
7
1 | 0
0
1
7
2 | 0
0
1
7
3 | 0
0
1
7
4 | 0
0
1
7
5 | 0
0
1
7
6 | 0
0
1
7
7 | 0
0
1
7
8 | 0
0
1
8
9 | 0
0
1
8
0 | 0
0
1
8
1 | 0
0
1
8
2 | 0
0
1
8
3 | 0
0
1
8
4 | | 0
0
1
8
5 | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Hemorrhage | | | 2 | | | | | | | | | | | | | |
| C-cell, Hyperplasia | | | 1 | 1 | 2 | 1 | 1 | 2 | 1 | 1 | 2 | | | | | |

| WISTAR HAN RATS MALE

1000 mg/kg | | DAY ON TEST | | | males
(cont...) |
|---|--|-----------------------|---|--------------------|
| | | | | |
| | | | | |
| ANIMAL ID | | 0
0
1
6
1 | 0
0
1
6
2 | 0
0
1
6
3 | 0
0
1
6
4 | 0
0
1
6
5 | 0
0
1
6
6 | 0
0
1
6
7 | 0
0
1
6
8 | 0
0
1
6
9 | 0
0
1
7
0 | 0
0
1
7
1 | 0
0
1
7
2 | 0
0
1
7
3 | 0
0
1
7
4 | 0
0
1
7
5 | 0
0
1
7
6 | 0
0
1
7
7 | 0
0
1
7
8 | 0
0
1
7
9 | 0
0
1
8
0 | 0
0
1
8
1 | 0
0
1
8
2 | 0
0
1
8
3 | 0
0
1
8
4 | 0
0
1
8
5 | | |
| Mediastinal, Hyperplasia, Lymphoid | | | | |
| Lymph Node, Mandibular
Degeneration, Cystic
Hyperplasia, Lymphoid
Hyperplasia, Plasma Cell | | + | M | + | + | | |
| | | 2 | | | | | | 2 | | | | 2 | | | | 2 | | | | | | | | | | | | |
| Lymph Node, Mesenteric
Atrophy
Degeneration, Cystic | | + | + | |
| | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | | |
| Spleen
Depletion Lymphoid
Hematopoietic Cell Proliferation | | + | + | |
| | | | | 3 | | 3 | | 2 | |
| Thymus
Atrophy
Hyperplasia
Inflammation | | + | + | |
| | | | 1 | | | |
| INTEGUMENTARY SYSTEM | | | | |
| Mammary Gland | | + | + | |
| Skin | | + | + | |
| MUSCULOSKELETAL SYSTEM | | | | |
| Bone | | + | + | |
| Skeletal Muscle | | + | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Lab: BAT

[illegible]

3

NERVOUS SYSTEM

[illegible]

RESPIRATORY SYSTEM

[illegible]

2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE

1000 mg/kg | DAY ON TEST | 0
0
9
2 | 0
6
6
8 | 0
1
0
9 | 0
0
9
2 | 0
7
2
9 | 0
7
2
9 | 0
0
9
2 | 0
6
1
5 | 0
7
2
7 | 0
7
2
8 | 0
7
2
7 | 0
5
9
4 | 0
7
2
7 | 0
0
9
2 | 0
7
2
8 | 0
7
2
8 | 0
3
3
6 | 0
7
2
7 | 0
1
0
9 | 0
7
2
9 | 0
6
9
9 | 0
3
5
2 | 0
7
2
8 | 0
5
8
8 | males
(cont...) | |
|---|-------------|--------------------|-----------------------|
| | ANIMAL ID | 0
0
1
6
1 | 0
0
1
6
2 | 0
0
1
6
3 | 0
0
1
6
4 | 0
0
1
6
5 | 0
0
1
6
6 | 0
0
1
6
7 | 0
0
1
6
8 | 0
0
1
6
9 | 0
0
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7
0 | 0
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2 | 0
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3 | 0
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4 | 0
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5 | 0
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7 | 0
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8 | 0
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9 | 0
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8
1 | 0
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1
8
2 | 0
0
1
8
3 | 0
0
1
8
4 | | 0
0
1
8
5 |
| | | | |
| Epithelium, Nasopharyngeal Duct, Pigmentation | | | 1 | | |
| Epithelium, Nasopharyngeal Duct, Regeneration | | | | | | | | | | | | | | | | | | | | 3 | | | | | | 4 | |
| Goblet Cell, Hyperplasia | | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Lamina Propria, Mineralization | | | 2 | | 1 | 1 | 1 | | 1 | 3 | 2 | 1 | 1 | 2 | 1 | | 1 | 1 | 1 | | 1 | 1 | 2 | 1 | 1 | | |
| Lamina Propria, Pigmentation | | | 2 | | | | 1 | | | | 1 | | | | | 2 | | 1 | 1 | | | 1 | 3 | 4 | 1 | | |
| Nasopharyngeal Duct, Foreign Body | | | | | X | | |
| Nasopharyngeal Duct, Inflammation, Suppurative | | | | | 4 | | | | 2 | 1 | | | | 2 | | | | 2 | 3 | | 1 | | | | | 1 | |
| Nasopharyngeal Duct, Mineralization | | | |
| Nerve, Atrophy | | | 2 | | 2 | 3 | 2 | | 3 | 3 | 2 | | 1 | 2 | 3 | 2 | 3 | 2 | 1 | 3 | | 3 | 2 | 2 | 2 | 3 | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | | | | | | | | | | 1 | | | | | | 2 | | | | | | | | | |
| Olfactory Epithelium, Atrophy | | | 3 | 3 | 3 | 1 | 2 | | 1 | 3 | 2 | 1 | | | | 2 | 3 | 2 | 2 | 1 | 2 | 1 | 2 | 2 | 1 | | |
| Olfactory Epithelium, Hyperplasia, Basal Cell | | | 2 | | | | 1 | | 1 | | 2 | 2 | | 3 | | | 3 | 2 | 2 | 2 | | | 2 | 3 | | | |
| Olfactory Epithelium, Metaplasia, Respiratory | | | 3 | | | 4 | 3 | | 3 | 3 | 2 | 2 | 2 | 3 | 4 | 1 | 3 | 3 | 2 | 3 | | 3 | 3 | 2 | 4 | 4 | |
| Olfactory Epithelium, Necrosis | | | 3 | 1 | 1 | | | | | | | | | | | | | | | 2 | | | | | | | |
| Olfactory Epithelium, Pigmentation | | | 2 | | 1 | | 1 | | 1 | 2 | | | | | | | 3 | 1 | | 1 | | | 1 | 1 | 1 | | |
| Olfactory Epithelium, Squamous Metaplasia | | | | | | | | | | | | | | | | | 1 | | | | | | | | | 2 | |
| Olfactory Epithelium, Ulcer | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | | | | | | | | 1 | | | | | | | | | 3 | | | | | 2 | 1 | | | |
| Respiratory Epithelium, Atrophy | | | | | | | | | | | 2 | | | | | | | | | 1 | | | | | | | |
| Respiratory Epithelium, Degeneration | | | | 1 | | | | | | | | | | | | | | | | | 2 | | | | | | |
| Respiratory Epithelium, Hyperplasia | | | | 1 | 1 | | 1 | 1 | | | | | | | | | | | | 2 | | | | | | | |
| Respiratory Epithelium, Metaplasia, Squamous | 1 | | | | 1 | | | | | | | | | | | | | | | 1 | 1 | | | | | | |
| Respiratory Epithelium, Necrosis | | | |
| Respiratory Epithelium, Pigmentation | | | 1 | 2 | |
| Turbinate, Deformity | | | | | X | X | | X | X | X | | X | | X | | X | | X | X | | X | X | | X | | | |
| Turbinate, Hyperostosis | | | 3 | | | 3 | 2 | | 2 | 3 | 2 | | 1 | 1 | 4 | | 3 | | 1 | 3 | | 3 | 3 | | 3 | 3 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE

1000 mg/kg | | DAY ON TEST | 0
0
9
2 | 0
6
6
8 | 0
1
0
9 | 0
0
7
2 | 0
7
7
9 | 0
0
0
2 | 0
6
1
5 | 0
7
2
7 | 0
7
2
8 | 0
7
2
7 | 0
5
9
4 | 0
7
2
7 | 0
0
2
2 | 0
7
2
8 | 0
7
2
8 | 0
3
3
6 | 0
7
2
7 | 0
1
0
9 | 0
7
2
9 | 0
6
9
9 | 0
3
5
2 | 0
7
2
8 | 0
5
8
8 | males
(cont...) | | |
|---|--|---|-----------------------|--------------------|-----------------------|-----------------------|
| | | ANIMAL ID | 0
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1 | 0
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2 | 0
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3 | | 0
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1
8
4 | 0
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1
8
5 |
| | | | | | | |
| Trachea
Inflammation | | + | | | | |
| SPECIAL SENSES SYSTEM | | | | | | |
| Eye
Cataract
Retina, Atrophy | | + | | | | |
| Harderian Gland
Inflammation | | + | | | | |
| URINARY SYSTEM | | | | | | |
| Kidney
Accumulation, Hyaline Droplet
Casts Granular
Cyst
Hydronephrosis
Infarct
Infiltration Cellular, Lipocyte
Inflammation
Nephropathy
Papilla, Necrosis
Transitional Epithelium, Hyperplasia | | +
1
2
3
2
2
1
1
1
1
1 | | | | |
| Urinary Bladder
Transitional Epithelium, Hyperplasia | | + | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE

1000 mg/kg | | DAY ON TEST | | | | | | ANIMAL ID | males
(cont...) |
|--|--|-----------------------|---|---|--|--|-----------|--------------------|
| | | 0
7
2
8 | 0
4
6
2 | 0
6
1
1 | 0
3
4
0 | 0
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5
3 | 0
6
9
7 | 0
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9
2 | 0
7
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9 | 0
3
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0 | 0
5
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4 | 0
7
2
8 | 0
0
9
2 | 0
7
2
9 | 0
2
1
6 | 0
0
9
2 | 0
5
1
3 | 0
0
9
2 | 0
0
9
2 | 0
7
2
9 | 0
6
2
5 | 0
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9
2 | 0
7
2
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5
7
8 | 0
7
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1
8
7 | 0
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8
8 | 0
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9 | 0
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1 | 0
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2 | 0
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3 | 0
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1
9
4 | 0
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9
5 | 0
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6 | 0
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9
7 | 0
0
1
9
8 | 0
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2
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3 | 0
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2
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4 | 0
0
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0
5 | 0
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2
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6 | 0
0
2
0
7 | 0
0
2
0
8 | 0
0
2
0
9 | 0
0
2
1
0 | | | | | | |
| Fatty Change | | | | | | | | |
| Hepatodiaphragmatic Nodule | | | | | | | | | | | | | | | | | | | | X | | | | | | | | | | | |
| Inflammation | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | | | | | X | | | | X | | | | | X | | | | | | | | | | X | | | | | | | |
| Necrosis | | | | | | 4 | 3 | | | | | 3 | | | 1 | 3 | | 4 | | | | | | | 2 | | | | | | |
| Pigmentation | | | | | | | | |
| Vacuolization Cytoplasmic, Focal | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | |
| Bile Duct, Hyperplasia | | | | | | | | | | | | | | | | 1 | | | | | 1 | | | | 1 | | | | | | |
| Bile Duct, Hyperplasia, Cystic | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| Oval Cell, Hyperplasia | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Mesentery | | | | | | | | |
| Necrosis | | | + | | | | | | | |
| | | | 3 | | | | | | | |
| Pancreas | | + | + | + | | | | |
| Acinus, Atrophy | | 1 | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Acinus, Necrosis | | | | | | | | |
| Salivary Glands | | + | M | + | + | | | | |
| Necrosis | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | |
| Stomach, Forestomach | | + | + | + | | | | |
| Ulcer | | | | | | | | |
| Epithelium, Hyperplasia | | | | | | | | 2 | | | | | | | | | | | | | 2 | | | | | | | | | | |
| Stomach, Glandular | | + | + | + | | | | |
| Inflammation | | | | | | | | |
| Mineralization | | | | | | | | |
| Mucosa, Necrosis | | | 3 | | 3 | 4 | 3 | | | 2 | 2 | | | | | | 4 | | | 3 | | | | 3 | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE | | 1000 mg/kg | | DAY ON TEST | | 0728 | 0462 | 0661 | 0345 | 0069 | 0609 | 0079 | 0352 | 0552 | 0728 | 0092 | 0729 | 0729 | 0216 | 0092 | 0513 | 0092 | 0092 | 0729 | 0625 | 0092 | 0729 | 0528 | 0729 | 0527 | males
(cont...) |
|----------------------|--|------------|--|-------------|--------------------|
| | | | | 00186 | 00018 | 00018 | 00011 | |
| | | | | ANIMAL ID | | 00186 | 00018 | 00018 | 00011 | |
| | | | | | | 1188 | |

CARDIOVASCULAR SYSTEM

Blood Vessel
 Adventitia, Aorta, Inflammation

+ +

Heart
 Cardiomyopathy
 Inflammation
 Epicardium, Inflammation
 Myocardium, Necrosis
 Pericardium, Inflammation

+
 1 2 2 1 2 1 2 2 1 2 2 1 2 2 1 2 2 2 1 2 2 2 2 2 2 2
 2
 1 2

ENDOCRINE SYSTEM

Adrenal Cortex
 Hyperplasia
 Hypertrophy
 Necrosis

+
 1 2 2 1 2
 3 2

Adrenal Medulla

+ +

Islets, Pancreatic

+ +

Parathyroid Gland
 Hyperplasia
 Inflammation

+ + + + M + + + M + + + + + + + + + + + + + + + + + + +

Pituitary Gland
 Pars Distalis, Hyperplasia

+
 2

Thyroid Gland

+ +

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

| | | | |
|--|-------------|--------------------|------|
| WISTAR HAN RATS MALE

1000 mg/kg | DAY ON TEST | 0728 | 0462 | 0611 | 0340 | 0065 | 0092 | 0799 | 0325 | 0554 | 0728 | 0072 | 0779 | 0729 | 0226 | 0092 | 0593 | 0092 | 0072 | 0665 | 0092 | 0729 | 0072 | 0578 | 0729 | males
(cont...) | |
| | ANIMAL ID | 0086 | 0087 | 0088 | 0089 | 0090 | 0091 | 0092 | 0093 | 0094 | 0095 | 0096 | 0097 | 0098 | 0099 | 0100 | 0101 | 0102 | 0103 | 0104 | 0105 | 0106 | 0107 | 0108 | 0109 | | 0110 |
| | | 0018 | 0017 | 0016 | 0015 | 0014 | 0013 | 0012 | 0011 | 0010 | 0009 | 0008 | 0007 | 0006 | 0005 | 0004 | 0003 | 0002 | 0001 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | | 0000 |
| | | 0111 | 0110 | 0109 | 0108 | 0107 | 0106 | 0105 | 0104 | 0103 | 0102 | 0101 | 0100 | 0099 | 0098 | 0097 | 0096 | 0095 | 0094 | 0093 | 0092 | 0091 | 0090 | 0089 | 0088 | | 0087 |
| | | 0211 | 0210 | 0209 | 0208 | 0207 | 0206 | 0205 | 0204 | 0203 | 0202 | 0201 | 0200 | 0199 | 0198 | 0197 | 0196 | 0195 | 0194 | 0193 | 0192 | 0191 | 0190 | 0189 | 0188 | | 0187 |

| | | |
|------------------|--|--|
| Cyst | | |
| NERVOUS SYSTEM | | |
| Brain | + | | |
| Peripheral Nerve | | |
| Spinal Cord | | |

| RESPIRATORY SYSTEM | |
|---|--|
| Lung | + | |
| Hemorrhage | | 1 | | |
| Inflammation, Suppurative | | | 4 | | | | 4 | | | | | | | | | | | | | | | | | | 4 | | |
| Inflammation, Chronic Active | | | | | | | | | | | 1 | | 1 | | 2 | | | | | | 1 | | | | | 2 | |
| Alveolar Epithelium, Hyperplasia | 1 | | | | | 1 | |
| Alveolar Epithelium, Metaplasia | |
| Alveolus, Infiltration Cellular, Histiocyte | 1 | | | | | | | | 1 | 2 | | 1 | | 2 | | 1 | | | | | 2 | 2 | | 1 | | | |
| Nose | + | |
| Foreign Body | | | | | | | | | | X | | | | | | | | | | | | | | | | X | |
| Inflammation, Suppurative | 2 | 4 | | 2 | | 3 | | 4 | 4 | 1 | 1 | | 2 | 1 | 1 | 3 | 4 | | | | 2 | 3 | | 1 | 2 | 2 | |
| Inflammation, Acute | |
| Epithelium, Nasopharyngeal Duct, Degeneration | | | | | | 3 | | | | 3 | | | | | | | | | | | | | | | | | |
| Epithelium, Nasopharyngeal Duct, Hyperplasia | | | | | | | | | | | | | | | | 3 | | | | | | | | | | 1 | |
| Epithelium, Nasopharyngeal Duct, Metaplasia, Squamous | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| Epithelium, Nasopharyngeal Duct, Necrosis | | | | 3 | | | | | | 1 | | | | | | 2 | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE

1000 mg/kg | | DAY ON TEST | 0728 | 0462 | 0661 | 0345 | 0069 | 0609 | 0735 | 0575 | 0022 | 0792 | 0722 | 0772 | 0219 | 0501 | 0053 | 0009 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | males
(cont...) | |
|---|--|-------------|---|--------------------|-------|
| | | ANIMAL ID | 00186 | 00087 | 00088 | 00088 | 00099 | | 00099 |
| Trachea Inflammation | | | + | + | + | + | + | + | 2 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| SPECIAL SENSES SYSTEM | | | | | |
| Eye Cataract Retina, Atrophy | | | + | + | | |
| | | | 2 | | |
| Harderian Gland Inflammation | | | + | + | | |
| URINARY SYSTEM | | | | | |
| Kidney Accumulation, Hyaline Droplet Casts Granular Cyst Hydronephrosis Infarct Infiltration Cellular, Lipocyte Inflammation Nephropathy Papilla, Necrosis Transitional Epithelium, Hyperplasia | | | + | + | | |
| | | | 2 | | |
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| | | | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE | DAY ON TEST | | | | | | | | | | |
|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| | 0
4
6
3 | 0
7
2
9 | 0
6
6
5 | 0
5
2
5 | 0
5
8
0 | 0
7
2
9 | 0
5
8
4 | 0
7
2
9 | 0
1
9
2 | 0
7
2
7 | |
| 1000 mg/kg | ANIMAL ID | | | | | | | | | | |
| | 0
0
2
1
1 | 0
0
2
1
2 | 0
0
2
1
3 | 0
0
2
1
4 | 0
0
2
1
5 | 0
0
2
1
6 | 0
0
2
1
7 | 0
0
2
1
8 | 0
0
2
1
9 | 0
0
2
2
0 | |
| | | | | | | | | | | | * TOTALS |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | |
|---------------------------|---|---|---|---|---|---|---|---|---|---|----|--------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | 60 | |
| Perforation | | | | | | | | | | | | 2 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | 60 | |
| Inflammation | | 1 | | 2 | | | | | | | | 3 1.3 |
| Ulcer | | | | 2 | | | | | | | | 1 2.0 |
| Epithelium, Hyperplasia | | | | | | | | | | | | 1 2.0 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | 60 | |
| Inflammation | | | | | | | | | | | | 1 2.0 |
| Epithelium, Necrosis | | | | | | | | | | | | 1 1.0 |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | 60 | |
| Inflammation | | | | | | | | | | | | 1 3.0 |
| Intestine Small, Duodenum | + | + | + | + | A | + | + | + | + | + | 58 | |
| Mucosa, Necrosis | 1 | | 1 | | | | | | 2 | | | 10 2.4 |
| Intestine Small, Ileum | + | + | + | + | + | + | A | + | + | + | 55 | |
| Mucosa, Necrosis | | | 1 | | | | | | | | | 6 1.7 |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | 56 | |
| Mucosa, Necrosis | | | 3 | | 2 | | | | 2 | | | 9 2.0 |
| Liver | + | + | + | + | + | + | + | + | + | + | 60 | |
| Basophilic Focus | | X | | | | X | | X | | | | 11 |
| Clear Cell Focus | | X | | | | X | | X | | | | 20 |
| Degeneration, Cystic | | | | | | | | | | | | 1 3.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
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Experiment Number: 20203 - 03
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 Species/Strain: RATS/Wistar Han

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 Green tea extract
 CAS Number: GREENTEAEXTR

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 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE | DAY ON TEST | | | | | | | | | | |
|----------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| | 0
4
6
3 | 0
7
2
9 | 0
6
6
5 | 0
5
2
5 | 0
5
8
0 | 0
7
2
9 | 0
5
8
4 | 0
7
2
9 | 0
1
9
2 | 0
7
2
7 | |
| 1000 mg/kg | ANIMAL ID | | | | | | | | | | |
| | 0
0
2
1
1 | 0
0
2
1
2 | 0
0
2
1
3 | 0
0
2
1
4 | 0
0
2
1
5 | 0
0
2
1
6 | 0
0
2
1
7 | 0
0
2
1
8 | 0
0
2
1
9 | 0
0
2
2
0 | |
| | | | | | | | | | | | * TOTALS |
| Fatty Change | | | | | | | | | | | 1 2.0 |
| Hepatodiaphragmatic Nodule | | | | | | | | | | | 1 |
| Inflammation | | | | 1 | | | | | | | 2 1.0 |
| Mixed Cell Focus | | | | | | | X | | | | 7 |
| Necrosis | 4 | | 1 | | | | | | 4 | | 13 2.9 |
| Pigmentation | | | | | | | | | | | 1 3.0 |
| Vacuolization Cytoplasmic, Focal | | | | | | | | | | | 1 |
| Bile Duct, Hyperplasia | | | | 1 | | 1 | | 1 | 1 | | 10 1.3 |
| Bile Duct, Hyperplasia, Cystic | | | | | | | | | | | 1 3.0 |
| Oval Cell, Hyperplasia | | | | | | | | | | | 2 1.5 |
| Mesentery | | | | | | | | | | | 1 |
| Necrosis | | | | | | | | | | | 1 3.0 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | 60 |
| Acinus, Atrophy | | | | | | | | | | 1 | 5 1.0 |
| Acinus, Necrosis | 2 | | | | | | | | | | 1 2.0 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | 58 |
| Necrosis | | | | | | | | | | | 1 3.0 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | 60 |
| Ulcer | | | | | | | | | | | 2 1.5 |
| Epithelium, Hyperplasia | | | | | | | | 1 | | | 8 1.5 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | 60 |
| Inflammation | | | | | | | | | | | 1 1.0 |
| Mineralization | | | | 1 | | | | | | | 1 1.0 |
| Mucosa, Necrosis | 1 | | 3 | | 2 | | 2 | | 1 | | 21 2.5 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|----------------------|---|---|---|---|---|---|---|---|---|---|----------|
| | 4 | 7 | 6 | 5 | 5 | 7 | 5 | 7 | 1 | 7 | |
| WISTAR HAN RATS MALE | 6 | 2 | 6 | 2 | 8 | 2 | 8 | 2 | 9 | 2 | |
| | 3 | 9 | 5 | 5 | 0 | 9 | 4 | 9 | 2 | 7 | |
| 1000 mg/kg | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| ANIMAL ID | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | * TOTALS |

CARDIOVASCULAR SYSTEM

| | | | | | | | | | | | | | |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|----|----|-----|
| Blood Vessel | + | + | + | + | + | + | + | + | + | + | 60 | | |
| Adventitia, Aorta, Inflammation | 3 | | | | | | | | | | | 1 | 3.0 |
| Heart | + | + | + | + | + | + | + | + | + | + | 60 | | |
| Cardiomyopathy | 1 | | | 1 | | 2 | 1 | 1 | 2 | | | 28 | 1.4 |
| Inflammation | | | | | 2 | | | | | | | 1 | 2.0 |
| Epicardium, Inflammation | 3 | | | | 3 | | 2 | | | | | 5 | 2.2 |
| Myocardium, Necrosis | | | | | | | | | | | | 3 | 2.0 |
| Pericardium, Inflammation | 4 | | | | | | | | | | | 1 | 4.0 |

ENDOCRINE SYSTEM

| | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Adrenal Cortex | + | + | + | + | + | + | + | + | + | + | 60 | | |
| Hyperplasia | | | | | | 2 | 1 | 2 | | 1 | | 8 | 1.4 |
| Hypertrophy | | 2 | | | | | | | | | | 6 | 1.8 |
| Necrosis | | | | 2 | | | 1 | | | | | 5 | 2.0 |
| Adrenal Medulla | + | + | + | + | + | + | + | + | + | + | 60 | | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | + | + | 60 | | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | 55 | | |
| Hyperplasia | | | | | | | | | | | | 1 | 2.0 |
| Inflammation | | | | | | | | | | | | 1 | 2.0 |
| Pituitary Gland | + | + | + | + | + | + | + | + | + | + | 60 | | |
| Pars Distalis, Hyperplasia | | 2 | | | | | | | | | | 8 | 2.1 |
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | 59 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
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 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| | | | | | | | | | | | | | | | | | | | | | |
|--|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|--|--|--|--|--|--|--|--|--|
| WISTAR HAN RATS MALE

1000 mg/kg | DAY ON TEST | 0
4
6
3 | 0
7
2
9 | 0
6
6
5 | 0
5
2
5 | 0
5
8
0 | 0
7
2
9 | 0
5
8
4 | 0
7
2
9 | 0
1
9
2 | 0
7
2
7 | | | | | | | | | | |
| | ANIMAL ID | 0
0
2
1
1 | 0
0
2
1
2 | 0
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2
1
3 | 0
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2
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4 | 0
0
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7 | 0
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9 | 0
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2
1
0 | | | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | * TOTALS | | | | | | | | | |
| Hemorrhage | | | | | | | | | | | | 1 2.0 | | | | | | | | | |
| C-cell, Hyperplasia | | | | | | | | | | | | 15 1.4 | | | | | | | | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|--|
| Epididymis | + | + | + | + | + | + | + | + | + | + | 60 | | | |
| Preputial Gland
Inflammation | + | + | + | + | + | + | + | + | + | + | 60 | 1 | 2.0 | |
| Prostate
Inflammation
Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | 60 | 2 | 4.0 | |
| | | | | 4 | | | | | 1 | | | 8 | 1.3 | |
| Seminal Vesicle
Inflammation | + | + | + | + | + | + | + | + | + | + | 60 | 2 | 2.5 | |
| | | | | 3 | | | | | | | | | | |
| Testes
Atrophy
Mineralization | + | + | + | + | + | + | + | + | + | + | 60 | 5 | 3.0 | |
| | 3 | | | | | 1 | | | | | | 2 | 1.5 | |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | | | |
|----------------------------|---|---|---|---|---|---|---|---|---|---|----|----|-----|--|
| Bone Marrow
Hyperplasia | + | + | + | + | + | + | + | + | + | + | 60 | 13 | 1.7 | |
| | 3 | | | 3 | | | 2 | | | | | | | |
| Lymph Node | | | | | | | | | | | 1 | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

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 Green tea extract
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 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE | DAY ON TEST | | | | | | | | | | |
|------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| | 0
4
6
3 | 0
7
2
9 | 0
6
6
5 | 0
5
2
5 | 0
5
8
0 | 0
7
2
9 | 0
5
8
4 | 0
7
2
9 | 0
1
9
2 | 0
7
2
7 | |
| 1000 mg/kg | ANIMAL ID | | | | | | | | | | |
| | 0
0
2
1
1 | 0
0
2
1
2 | 0
0
2
1
3 | 0
0
2
1
4 | 0
0
2
1
5 | 0
0
2
1
6 | 0
0
2
1
7 | 0
0
2
1
8 | 0
0
2
1
9 | 0
0
2
2
0 | |
| | | | | | | | | | | | * TOTALS |
| Mediastinal, Hyperplasia, Lymphoid | | | | | | | | | | | 1 2.0 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | 58 |
| Degeneration, Cystic | | 2 | | | | 3 | | | | | 3 2.3 |
| Hyperplasia, Lymphoid | | | | | | 2 | | | | | 1 2.0 |
| Hyperplasia, Plasma Cell | | | | | | | | | | | 7 1.9 |
| Lymph Node, Mesenteric | + | + | + | + | + | + | + | + | + | + | 60 |
| Atrophy | | | | | | | | | | | 1 3.0 |
| Degeneration, Cystic | | | | | | | | | | | 1 2.0 |
| Spleen | + | + | + | + | + | + | + | + | + | + | 60 |
| Depletion Lymphoid | 1 | | 2 | | | | | | | | 13 2.2 |
| Hematopoietic Cell Proliferation | | | | | | | | | | | 1 1.0 |
| Thymus | + | + | + | + | + | + | + | + | + | + | 60 |
| Atrophy | | | | | | | | | | | 1 1.0 |
| Hyperplasia | | | | | | | | | | 2 | 1 2.0 |
| Inflammation | 3 | | | | | | | | | | 1 3.0 |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | |
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | 60 |
| Skin | + | + | + | + | + | + | + | + | + | + | 60 |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | |
| Bone | + | + | + | + | + | + | + | + | + | + | 60 |
| Skeletal Muscle | | | | | | | | | | | 1 |

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 Green tea extract
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Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE | | DAY ON TEST | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
|----------------------|--|-------------|---|---|---|---|---|---|---|---|---|
| | | 4 | 7 | 6 | 5 | 5 | 7 | 5 | 7 | 1 | |
| 1000 mg/kg | | ANIMAL ID | | 6 | 2 | 6 | 2 | 8 | 2 | 8 | 2 |
| | | | | 3 | 9 | 5 | 5 | 0 | 9 | 4 | 9 |
| | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | |
| | | | | 1 | 1 | 1 | 1 | 1 | 1 | 1 | |
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| | | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | |
| * TOTALS | | | | | | | | | | | |

| | | |
|------|---|-----|
| Cyst | 1 | 3.0 |
|------|---|-----|

NERVOUS SYSTEM

| | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|----|
| Brain | + | + | + | + | + | + | + | + | + | + | 60 |
| Peripheral Nerve | | | | | | | | | | | 1 |
| Spinal Cord | | | | | | | | | | | 1 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|--------|
| Lung | + | + | + | + | + | + | + | + | + | + | 60 |
| Hemorrhage | | 2 | | | | | | | | | 2 1.5 |
| Inflammation, Suppurative | 4 | | | | 4 | | 4 | | | | 10 3.7 |
| Inflammation, Chronic Active | | | 1 | | | | | | | | 14 1.4 |
| Alveolar Epithelium, Hyperplasia | | | | 1 | | | | | | 1 | 5 1.0 |
| Alveolar Epithelium, Metaplasia | | | | | | | | | | | 1 2.0 |
| Alveolus, Infiltration Cellular, Histocyte | | 1 | 1 | 1 | | 2 | | | | | 27 1.4 |
| Nose | + | + | + | + | + | + | + | + | + | + | 60 |
| Foreign Body | | | | | | X | | | | X | 6 |
| Inflammation, Suppurative | 2 | 2 | 2 | 1 | 4 | 2 | 2 | 1 | | 2 | 44 2.3 |
| Inflammation, Acute | | | | | | | | | | | 1 1.0 |
| Epithelium, Nasopharyngeal Duct, Degeneration | | | | | | | | | | | 3 2.7 |
| Epithelium, Nasopharyngeal Duct, Hyperplasia | | | | | | | | | 1 | | 5 1.8 |
| Epithelium, Nasopharyngeal Duct, Metaplasia, Squamous | | | | | | | | | | | 1 2.0 |
| Epithelium, Nasopharyngeal Duct, Necrosis | | | | | | | | | | | 3 2.0 |

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 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
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Green tea extract

CAS Number: GREENTEAEXTR

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 Lab: BAT

| WISTAR HAN RATS MALE | DAY ON TEST | | | | | | | | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------|
| | 0
4
6
3 | 0
7
2
9 | 0
6
6
5 | 0
5
2
5 | 0
5
8
0 | 0
7
2
9 | 0
5
8
4 | 0
7
2
9 | 0
1
9
2 | 0
7
2
7 | |
| 1000 mg/kg | ANIMAL ID | | | | | | | | | | |
| | 0
0
2
1
1 | 0
0
2
1
2 | 0
0
2
1
3 | 0
0
2
1
4 | 0
0
2
1
5 | 0
0
2
1
6 | 0
0
2
1
7 | 0
0
2
1
8 | 0
0
2
1
9 | 0
0
2
2
0 | |
| | | | | | | | | | | | * TOTALS |
| Epithelium, Nasopharyngeal Duct, Pigmentation | | | | | | | | | | | 2 1.0 |
| Epithelium, Nasopharyngeal Duct, Regeneration | | | | | | | | | | | 2 3.5 |
| Goblet Cell, Hyperplasia | | | | | | | | | | | 2 1.0 |
| Lamina Propria, Mineralization | 3 | 1 | 1 | 1 | | 1 | 2 | 1 | 1 | 2 | 45 1.5 |
| Lamina Propria, Pigmentation | 4 | | | 2 | 4 | | | 2 | | | 25 2.4 |
| Nasopharyngeal Duct, Foreign Body | | | | | | | | | | | 3 |
| Nasopharyngeal Duct, Inflammation, Suppurative | | 1 | | | | | | | | 1 | 22 2.0 |
| Nasopharyngeal Duct, Mineralization | | | | | | | | | | | 1 1.0 |
| Nerve, Atrophy | 3 | 2 | 3 | 3 | | 2 | 2 | 3 | 2 | 4 | 49 2.4 |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | | | | | 2 | | | | 4 1.5 |
| Olfactory Epithelium, Atrophy | | 2 | 2 | 1 | 2 | 2 | 3 | 3 | 2 | | 46 2.0 |
| Olfactory Epithelium, Hyperplasia, Basal Cell | | 2 | 1 | 1 | | 2 | | 1 | 2 | | 28 1.8 |
| Olfactory Epithelium, Metaplasia, Respiratory | 4 | 3 | 3 | 3 | 1 | 1 | 3 | 3 | 2 | 4 | 50 2.8 |
| Olfactory Epithelium, Necrosis | | | 1 | | 3 | | | | | | 14 1.9 |
| Olfactory Epithelium, Pigmentation | | | 1 | | | 1 | | 1 | | | 24 1.5 |
| Olfactory Epithelium, Squamous Metaplasia | | | | | | | | | | 1 | 4 1.3 |
| Olfactory Epithelium, Ulcer | | | | | | | | | | | 1 2.0 |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | 1 | | | | | 2 | 1 | | 2 | 10 1.5 |
| Respiratory Epithelium, Atrophy | 2 | | 1 | 1 | | | | 2 | | | 6 1.5 |
| Respiratory Epithelium, Degeneration | | | | | | | | | | | 3 2.0 |
| Respiratory Epithelium, Hyperplasia | | | | | | | | | | | 8 1.3 |
| Respiratory Epithelium, Metaplasia, Squamous | | | | | | | 3 | | | | 9 1.4 |
| Respiratory Epithelium, Necrosis | | | | | | | | | | | 4 2.8 |
| Respiratory Epithelium, Pigmentation | 1 | | | | | | | | | | 7 1.3 |
| Turbinate, Deformity | X | X | X | X | X | | X | X | | X | 35 |
| Turbinate, Hyperostosis | 1 | 3 | 3 | 1 | 2 | | 2 | 3 | 1 | 2 | 40 2.2 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS MALE | DAY ON TEST | | | | | | | | | | |
|--------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| | 0
4
6
3 | 0
7
2
9 | 0
6
6
5 | 0
5
2
5 | 0
5
8
0 | 0
7
2
9 | 0
5
8
4 | 0
7
2
9 | 0
1
9
2 | 0
7
2
7 | |
| 1000 mg/kg | ANIMAL ID | | | | | | | | | | |
| | 0
0
2
1
1 | 0
0
2
1
2 | 0
0
2
1
3 | 0
0
2
1
4 | 0
0
2
1
5 | 0
0
2
1
6 | 0
0
2
1
7 | 0
0
2
1
8 | 0
0
2
1
9 | 0
0
2
2
0 | |
| | | | | | | | | | | | * TOTALS |
| Trachea | + | + | + | + | + | + | + | + | + | + | 60 |
| Inflammation | | | | | | | | | | | 3 2.7 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | |
| Eye | + | + | + | + | + | + | + | + | + | + | 60 |
| Cataract | | | | | | 3 | | | | | 1 3.0 |
| Retina, Atrophy | | | | | | | | | | | 1 2.0 |
| Harderian Gland | + | + | + | + | + | + | + | + | + | + | 60 |
| Inflammation | | | | | | | | | | | 1 1.0 |
| URINARY SYSTEM | | | | | | | | | | | |
| Kidney | + | + | + | + | + | + | + | + | + | + | 60 |
| Accumulation, Hyaline Droplet | | | | | | | | | | | 1 1.0 |
| Casts Granular | | | | | | | | | | | 1 2.0 |
| Cyst | | | | | | | | | | | 2 2.5 |
| Hydronephrosis | 1 | | | | | | | | | | 4 1.3 |
| Infarct | | | | | | | | | | 2 | 2 2.0 |
| Infiltration Cellular, Lipocyte | | | | | | | | | | | 1 1.0 |
| Inflammation | | 2 | 1 | 1 | | | | | | 2 | 10 1.6 |
| Nephropathy | | 1 | | 1 | | 1 | | 1 | 1 | 1 | 29 1.0 |
| Papilla, Necrosis | | | | | | | | | | | 1 2.0 |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | 2 2.0 |
| Urinary Bladder | + | + | + | + | + | + | + | + | + | + | 60 |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | 1 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20203 - 03
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Lab: BAT

*** END OF MALE DATA ***

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I .. Insufficient tissue

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 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | | |
|------------------------|--|-----------------------|
| | | 0
9
2 | 0
7
3
0 | 0
7
1
9 | 0
5
4
0 | 0
7
3
0 | 0
5
6
1 | 0
6
4
5 | 0
5
5
4 | 0
0
9
2 | 0
7
0
1 | 0
6
8
8 | 0
5
9
7 | 0
6
7
4 | 0
7
2
9 | 0
7
3
0 | 0
7
3
0 | 0
7
2
9 | 0
7
3
0 | 0
5
6
6 | 0
7
2
9 | | 0
7
3
0 | 0
7
2
9 | 0
7
3
0 | 0
7
2
9 |
| 0 mg/kg | | 0
0
2
2
1 | 0
0
2
2
2 | 0
0
2
2
3 | 0
0
2
2
4 | 0
0
2
2
5 | 0
0
2
2
6 | 0
0
2
2
7 | 0
0
2
2
8 | 0
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2
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9 | 0
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3
0 | 0
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3
1 | 0
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3 | 0
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4 | 0
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5 | 0
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6 | 0
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7 | 0
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3
8 | 0
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3
9 | 0
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4
0 | 0
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2
4
1 | 0
0
2
4
2 | 0
0
2
4
3 | 0
0
2
4
4 | 0
0
2
4
5 |
| ANIMAL ID | | |

ALIMENTARY SYSTEM

| | |
|------------------------------|--|
| Esophagus | + | |
| Muscularis, Degeneration | 1 | |
| Intestine Large, Cecum | + | |
| Inflammation | 1 | |
| Lymphoid Tissue, Hyperplasia | |
| Intestine Large, Colon | + | |
| Parasite Metazoan | |
| Intestine Large, Rectum | + | |
| Parasite Metazoan | X | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | A | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | |
| Liver | + | |
| Angiectasis | |
| Basophilic Focus | | X | | | X | | X | | | | | X | | X | X | X | X | X | X | | X | X | X | X | X | |
| Clear Cell Focus | | | X | | X | | | | | | | | | X | X | | | | | | | | X | | | |
| Degeneration, Cystic | |
| Eosinophilic Focus | | X | X | | | | | | | | | | | X | | | | | | | | | | | | |
| Fatty Change | | | | | | | | 2 | | | | 2 | | | | | | | | | | 1 | | | | |
| Inflammation | | | | | | | | | | | | | | | | | | 2 | | | 1 | | | | | |
| Mixed Cell Focus | | | | | | | | | | | | | | | X | | | X | | | | | | | | |

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 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE

0 mg/kg | | DAY ON TEST | | | females
(cont...) |
|---|--|------------------|--|----------------------|
| | | 0
0
9
2 | 0
7
3
0 | 0
7
1
9 | 0
5
4
0 | 0
7
3
0 | 0
5
6
1 | 0
6
4
5 | 0
5
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4 | 0
7
9
2 | 0
7
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1 | 0
6
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8 | 0
5
9
7 | 0
6
7
4 | 0
7
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9 | 0
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9 | 0
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3
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9 | 0
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9 | 0
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2
9 | | | |
| | | 0
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4 | 0
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4 | 0
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2
4 | 0
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2
4 | 0
0
2
4 | 0
0
2
4 | 0
0
2
4 | 0
0
2
5 | | |
| | | | | |
| Necrosis | | 2 | | |
| Pigmentation | | 4 | | |
| Vacuolization Cytoplasmic, Focal | | 2 | | |
| Bile Duct, Hyperplasia | | X | | |
| Bile Duct, Hyperplasia, Cystic | | X | | |
| Hepatocyte, Regeneration | | | | |
| Oval Cell, Hyperplasia | | | | |
| Portal, Infiltration Cellular, Mononuclear Cell | | | | |
| | | | | |
| Mesentery | | | | |
| Necrosis | | | | |
| | | | | |
| Oral Mucosa | | | | |
| | | | | |
| Pancreas | | | | |
| Inflammation | | | | |
| Acinus, Atrophy | | | | |
| | | | | |
| Salivary Glands | | | | |
| Inflammation | | | | |
| | | | | |
| Stomach, Forestomach | | | | |
| Erosion | | | | |
| Inflammation | | | | |
| Ulcer | | | | |
| Epithelium, Hyperkeratosis | | | | |
| Epithelium, Hyperplasia | | | | |
| | | | | |
| Stomach, Glandular | | | | |
| Inflammation | | | | |
| Mineralization | | | | |

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 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| | |
|------------------------|-------------|
| WISTAR HAN RATS FEMALE | DAY ON TEST | |
| | 0 | 0 |
| | 9 | 3 | 1 | 4 | 3 | 6 | 4 | 5 | 9 | 0 | 8 | 9 | 7 | 2 | 3 | 3 | 2 | 3 | 2 | 6 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 9 |
| 0 mg/kg | ANIMAL ID |
| | 0 | 0 |
| | 0 | 0 |
| | 2 | 2 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 |
| | |
| females (cont...) | |

Epithelium, Degeneration

Epithelium, Hyperplasia

2

CARDIOVASCULAR SYSTEM

| |
|----------------|
| Blood Vessel | + |
| Heart | + |
| Cardiomyopathy | | 1 | 1 | | 2 | | | | | | 1 | | | 1 | | | | | | 1 | | 1 | 1 | | | 1 | |
| Inflammation | 2 | | | | | | | |

ENDOCRINE SYSTEM

| |
|------------------------------|
| Adrenal Cortex | + |
| Degeneration, Cyst | 2 | | | | | |
| Hyperplasia | | | | 2 | | 1 | | | | 1 | | | | | | | | 1 | | | | 1 | | | | 1 | |
| Hypertrophy | | | | 1 | | | 2 | | | | | | | | | | | | 2 | | | 2 | 2 | | | | |
| Necrosis | | | | 1 | | | | | | | | | | | | | | | | | | | 1 | | | | |
| Adrenal Medulla | + |
| Hyperplasia | 1 | | | | |
| Islets, Pancreatic | + |
| Parathyroid Gland | + | + | + | M | + | M | + |
| Pituitary Gland | + |
| Pars Distalis, Cyst |
| Pars Distalis, Hyperplasia | | 2 | | | 1 | | | | | 4 | 2 | | | | | | 2 | | 2 | | | | | | | | |
| Pars Intermedia, Hyperplasia | |

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M .. Missing tissue
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2) Mild 4) Marked

| WISTAR HAN RATS FEMALE

0 mg/kg | | DAY ON TEST | | | females
(cont...) |
|--|--|-----------------------|--|----------------------|
| | | 0
9
2 | 0
7
3
0 | 0
7
1
9 | 0
5
4
0 | 0
7
3
0 | 0
5
6
1 | 0
6
4
5 | 0
5
5
4 | 0
0
9
2 | 0
7
0
1 | 0
6
8
8 | 0
5
9
7 | 0
6
7
4 | 0
7
2
9 | 0
7
3
0 | 0
7
3
0 | 0
7
2
9 | 0
7
3
0 | 0
5
6
6 | 0
7
2
9 | 0
7
3
0 | 0
7
2
9 | 0
7
3
0 | 0
7
2
9 | | | |
| | | 0
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2
2
1 | 0
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2
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2 | 0
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2
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3 | 0
0
2
2
4 | 0
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5 | 0
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6 | 0
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7 | 0
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8 | 0
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9 | 0
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3
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3
1 | 0
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2
3
2 | 0
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3
3 | 0
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3
4 | 0
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2
3
5 | 0
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2
3
6 | 0
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2
3
7 | 0
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3
8 | 0
0
2
3
9 | 0
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4
0 | 0
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2
4
1 | 0
0
2
4
2 | 0
0
2
4
3 | 0
0
2
4
4 | 0
0
2
4
5 | | |
| Thyroid Gland
C-cell, Hyperplasia
Follicular Cell, Hyperplasia | | + | | |

| GENERAL BODY SYSTEM | |
|---------------------|--|
| NONE | |

| GENITAL SYSTEM | |
|--|---|
| Clitoral Gland
Inflammation | + |
| Ovary
Cyst
Inflammation | + |
| Oviduct | |
| Uterus
Hemorrhage
Inflammation
Cervix, Fibrosis
Endometrium, Hyperplasia, Cystic | + |
| Vagina | |

| HEMATOPOIETIC SYSTEM | |
|----------------------|
| Bone Marrow | + |

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| DAY ON TEST | | 0 | females
(cont...) | |
|------------------------|--|----------------------|---|
| | | 0 | | |
| WISTAR HAN RATS FEMALE | | 9 | 3 | 1 | 4 | 3 | 6 | 4 | 5 | 9 | 0 | 8 | 7 | 4 | 9 | 0 | 3 | 2 | 3 | 2 | 6 | 2 | 3 | 2 | 7 | | 2 |
| | | 2 | 0 | 9 | 0 | 0 | 1 | 5 | 4 | 2 | 1 | 8 | 7 | 4 | 9 | 0 | 0 | 9 | 0 | 9 | 6 | 9 | 0 | 9 | 0 | | 9 |
| 0 mg/kg | | 0 | females
(cont...) | |
| | | 2 | | |
| ANIMAL ID | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | females
(cont...) | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | | 5 |

Brain

Peripheral Nerve

Spinal Cord
 Degeneration

RESPIRATORY SYSTEM

Lung

Inflammation, Suppurative

Inflammation, Chronic Active

Alveolar Epithelium, Hyperplasia

Alveolus, Infiltration Cellular, Histiocyte

Nose

Foreign Body

Inflammation, Suppurative

Epithelium, Goblet Cell, Nasopharyngeal Duct,
 Hyperplasia

Epithelium, Nasopharyngeal Duct,
 Accumulation, Hyaline Droplet

Lamina Propria, Mineralization

Lamina Propria, Pigmentation

Nasopharyngeal Duct, Foreign Body

Olfactory Epithelium, Accumulation, Hyaline
 Droplet

Olfactory Epithelium, Atrophy

Olfactory Epithelium, Metaplasia, Respiratory

Respiratory Epithelium, Accumulation, Hyaline
 Droplet

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+ .. Tissue examined microscopically

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I .. Insufficient tissue

M .. Missing tissue

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 Lab: BAT

| WISTAR HAN RATS FEMALE | DAY ON TEST | |
|------------------------|-------------|
| | 0 | 0 |
| 0 mg/kg | 9 | 7 | 7 | 5 | 7 | 5 | 6 | 5 | 0 | 7 | 6 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
| | 2 | 3 | 1 | 4 | 3 | 6 | 4 | 5 | 9 | 0 | 8 | 9 | 7 | 2 | 3 | 3 | 2 | 3 | 2 | 6 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | 2 |
| | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 4 | 2 | 1 | 8 | 7 | 4 | 9 | 0 | 0 | 9 | 0 | 9 | 6 | 9 | 0 | 9 | 0 | 9 | 0 | 9 | 9 |
| | 0 | 0 |
| ANIMAL ID | |
| | 2 | 2 |
| | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| | |
| | |

females
(cont...)

Respiratory Epithelium, Degeneration
 Respiratory Epithelium, Hyperplasia
 Respiratory Epithelium, Hyperplasia, Basal Cell
 Respiratory Epithelium, Metaplasia, Squamous

1

Trachea
 Glands, Cyst

+ +

SPECIAL SENSES SYSTEM

Eye
 Anterior Chamber, Hemorrhage
 Cornea, Inflammation
 Optic Nerve, Degeneration

+ + + + + + + M +
 3
 3
 1

Harderian Gland
 Inflammation

+ + + + + + + M +
 2

URINARY SYSTEM

Kidney
 Cyst
 Hydronephrosis
 Inflammation
 Necrosis
 Nephropathy
 Papilla, Necrosis
 Pelvis, Dilatation
 Transitional Epithelium, Hyperplasia

+
 2
 2
 1 3
 1
 1 1
 1
 1
 3
 2

Urinary Bladder

+ +

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| | | | |
|------------------------|-------------|----------------------|---|
| WISTAR HAN RATS FEMALE | DAY ON TEST | 0 | females
(cont...) | |
| | | 0 | 7 | 7 | 5 | 7 | 5 | 6 | 5 | 0 | 7 | 6 | 5 | 6 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | | |
| | 9 | 3 | 1 | 4 | 3 | 6 | 4 | 5 | 9 | 0 | 8 | 9 | 7 | 2 | 3 | 3 | 2 | 3 | 2 | 3 | 2 | 3 | 2 | | | |
| | 2 | 0 | 9 | 0 | 0 | 1 | 5 | 4 | 2 | 1 | 8 | 7 | 4 | 9 | 0 | 0 | 9 | 0 | 9 | 6 | 9 | 0 | 9 | | | |
| 0 mg/kg | ANIMAL ID | 0 | | |
| 0 | | 0 | | | | |
| 2 | | 2 | | | |
| 2 | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

Inflammation

2

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | | |
|------------------------|--|-----------------------|
| | | 0
0
9
2 | 0
6
4
5 | 0
6
0
8 | 0
7
3
0 | 0
6
9
8 | 0
7
3
0 | 0
6
4
8 | 0
7
2
9 | 0
7
2
9 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | 0
3
4
1 | 0
6
2
8 | 0
0
9
2 | 0
0
9
2 | 0
5
0
6 | 0
4
9
5 | 0
7
2
9 | | 0
0
9
2 | 0
7
2
9 | 0
0
9
2 | 0
0
9
2 |
| 0 mg/kg | | 0
0
2
4
6 | 0
0
2
4
7 | 0
0
2
4
8 | 0
0
2
4
9 | 0
0
2
5
0 | 0
0
2
5
1 | 0
0
2
5
2 | 0
0
2
5
3 | 0
0
2
5
4 | 0
0
2
5
5 | 0
0
2
5
6 | 0
0
2
5
7 | 0
0
2
5
8 | 0
0
2
5
9 | 0
0
2
6
0 | 0
0
2
6
1 | 0
0
2
6
2 | 0
0
2
6
3 | 0
0
2
6
4 | 0
0
2
6
5 | 0
0
2
6
6 | 0
0
2
6
7 | 0
0
2
6
8 | 0
0
2
6
9 | 0
0
2
7
0 |

ALIMENTARY SYSTEM

| |
|------------------------------|
| Esophagus | + |
| Muscularis, Degeneration |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation |
| Lymphoid Tissue, Hyperplasia | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Parasite Metazoan |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Parasite Metazoan |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | A |
| Intestine Small, Ileum | + | + | + | + | + | + | A | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | A |
| Intestine Small, Jejunum | + | + | + | + | + | + | A | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | A |
| Liver | + |
| Angiectasis |
| Basophilic Focus | | X | | X | X | X | X | X | X | X | X | X | X | | X | | | | | X | X | | X | | | X |
| Clear Cell Focus | | | | | X | | | X | | X | | | X | | | | | | | | X | | | | | |
| Degeneration, Cystic | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Eosinophilic Focus |
| Fatty Change | | | 1 | | | | | | | | | | | | 2 | | | | | 2 | | | | | | |
| Inflammation | | | 1 | | | | | | | | | | | | | | | | | | 2 | | | | | |
| Mixed Cell Focus | | | | | | | | | | | X | X | | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE | DAY ON TEST | |
|---|-------------|
| | 0 | 0 |
| 0 mg/kg | 9 | 6 | 6 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 3 | 6 | 0 | 0 | 5 | 4 | 7 | 0 | 7 | 0 | 0 | 0 | 7 | 1 |
| | 2 | 5 | 8 | 0 | 8 | 0 | 8 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 8 | 2 | 2 | 6 | 5 | 9 | 2 | 9 | 2 | 9 | 2 | 8 | 8 |
| ANIMAL ID | 0 | 0 |
| | 2 | 2 |
| | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | 0 |
| females (cont...) | |
| Necrosis | |
| Pigmentation | |
| Vacuolization Cytoplasmic, Focal | |
| Bile Duct, Hyperplasia | |
| Bile Duct, Hyperplasia, Cystic | |
| Hepatocyte, Regeneration | |
| Oval Cell, Hyperplasia | |
| Portal, Infiltration Cellular, Mononuclear Cell | |
| Mesentery | |
| Necrosis | |
| Oral Mucosa | |
| Pancreas | |
| Inflammation | |
| Acinus, Atrophy | |
| Salivary Glands | |
| Inflammation | |
| Stomach, Forestomach | |
| Erosion | |
| Inflammation | |
| Ulcer | |
| Epithelium, Hyperkeratosis | |
| Epithelium, Hyperplasia | |
| Stomach, Glandular | |
| Inflammation | |
| Mineralization | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| | | | |
|---------------------------------------|-------------|------------------|----------------------|
| WISTAR HAN RATS FEMALE

0 mg/kg | DAY ON TEST | 0
0
9
2 | 0
6
4
5 | 0
6
0
8 | 0
7
3
0 | 0
6
3
8 | 0
7
4
8 | 0
7
2
9 | 0
7
2
9 | 0
7
3
0 | 0
7
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0 | 0
7
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0 | 0
7
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4
1 | 0
6
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8 | 0
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2 | 0
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5 | 0
7
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9 | 0
0
2
9 | 0
7
2
9 | 0
0
9
2 | 0
0
9
2 | 0
7
9
2 | 0
0
9
2 | 0
7
1
8 | females
(cont...) |
| | ANIMAL ID | 0
0
2
4
6 | 0
0
2
4
7 | 0
0
2
4
8 | 0
0
2
4
9 | 0
0
2
5
0 | 0
0
2
5
1 | 0
0
2
5
2 | 0
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2
5
3 | 0
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4 | 0
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6
6 | 0
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2
7
7 | 0
0
2
7
0 | | |

| | |
|--------------------------|---|
| Epithelium, Degeneration | |
| Epithelium, Hyperplasia | 3 | |

CARDIOVASCULAR SYSTEM

| |
|----------------|
| Blood Vessel | + |
| Heart | + |
| Cardiomyopathy | |
| Inflammation | | | | 1 | 1 | | 2 | 2 | 1 | 1 | 2 | | | | | | | | | | 1 | | 2 | | | | | |

ENDOCRINE SYSTEM

| |
|------------------------------|
| Adrenal Cortex | + |
| Degeneration, Cyst |
| Hyperplasia | | | | | | 2 | 2 | | | | 2 | 2 | 1 | 2 | | 2 | | | | | 2 | | 2 | | | | | |
| Hypertrophy | | 2 | 2 | 2 | | 2 | | | | | | | 2 | 2 | | | | | | | | | | | | | | |
| Necrosis | | | 1 | |
| Adrenal Medulla | + |
| Hyperplasia | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Islets, Pancreatic | + |
| Parathyroid Gland | + |
| Pituitary Gland | + |
| Pars Distalis, Cyst |
| Pars Distalis, Hyperplasia | | | | | | 2 | 1 | | | | | | 2 | | | | | | | | | | | | | | | |
| Pars Intermedia, Hyperplasia | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| WISTAR HAN RATS FEMALE | | DAY ON TEST | | | | | females
(cont...) |
|----------------------------------|--|-----------------------|---|--|--|----------------------|
| | | 0
0
9
2 | 0
6
4
5 | 0
6
0
8 | 0
7
3
0 | 0
6
9
8 | 0
7
3
0 | 0
6
4
8 | 0
7
2
9 | 0
7
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9 | 0
7
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0 | 0
7
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7
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3
4
1 | 0
6
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8 | 0
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9 | 0
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9
2 | 0
7
2
9 | 0
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9
2 | 0
0
9
2 | 0
7
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7 | 0
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4
8 | 0
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2
4
9 | 0
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6 | 0
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7 | 0
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8 | 0
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9 | 0
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6
0 | 0
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2
6
1 | 0
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6
2 | 0
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2
6
3 | 0
0
2
6
4 | 0
0
2
6
5 | 0
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2
6
6 | 0
0
2
6
7 | 0
0
2
6
8 | 0
0
2
6
9 | 0
0
2
7
0 | | | | |
| 0 mg/kg | | | | | | |
| Thyroid Gland | | + | + | | | |
| C-cell, Hyperplasia | | | 1 | 2 | 1 | | 1 | | | 2 | 1 | 1 | 2 | 1 | | 1 | | | | 2 | 1 | | | | | | | | | |
| Follicular Cell, Hyperplasia | | | | | | | | | | | | | | | | | | | | | 3 | | 2 | | | | | | | |
| GENERAL BODY SYSTEM | | | | | | |
| NONE | | | | | | |
| GENITAL SYSTEM | | | | | | |
| Clitoral Gland | | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | | | |
| Inflammation | | | 2 | 2 | | | | | | |
| Ovary | | + | + | | | |
| Cyst | | | 2 | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | |
| Inflammation | | | | | | |
| Oviduct | | | | | | |
| Uterus | | + | + | | | |
| Hemorrhage | | | | | | |
| Inflammation | | | | | | |
| Cervix, Fibrosis | | | | | | |
| Endometrium, Hyperplasia, Cystic | | 4 | | | 2 | | | | | | | | | | | | | | | | | 2 | | | | | | | | |
| Vagina | | | | | | |
| HEMATOPOIETIC SYSTEM | | | | | | |
| Bone Marrow | | + | + | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
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2) Mild 4) Marked

Experiment Number: 20203 - 03
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 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE | DAY ON TEST | |
|------------------------|-------------|
| | 0 | 0 |
| 0 mg/kg | 9 | 6 | 6 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 3 | 6 | 0 | 0 | 5 | 4 | 7 | 0 | 7 | 0 | 0 | 0 | 7 | 1 | 8 |
| | 2 | 5 | 8 | 0 | 3 | 9 | 3 | 4 | 2 | 2 | 3 | 0 | 3 | 4 | 2 | 9 | 9 | 0 | 9 | 2 | 9 | 2 | 9 | 2 | 9 | 2 | 8 | |
| ANIMAL ID | 0 | 0 |
| | 2 | 2 |
| | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | 0 | 0 |
| | |
| females (cont...) | |

Brain

Peripheral Nerve

Spinal Cord
 Degeneration

RESPIRATORY SYSTEM

Lung

Inflammation, Suppurative

Inflammation, Chronic Active

Alveolar Epithelium, Hyperplasia

Alveolus, Infiltration Cellular, Histiocyte

Nose

Foreign Body

Inflammation, Suppurative

Epithelium, Goblet Cell, Nasopharyngeal Duct,
 Hyperplasia

Epithelium, Nasopharyngeal Duct,
 Accumulation, Hyaline Droplet

Lamina Propria, Mineralization

Lamina Propria, Pigmentation

Nasopharyngeal Duct, Foreign Body

Olfactory Epithelium, Accumulation, Hyaline
 Droplet

Olfactory Epithelium, Atrophy

Olfactory Epithelium, Metaplasia, Respiratory

Respiratory Epithelium, Accumulation, Hyaline
 Droplet

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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 Lab: BAT

| WISTAR HAN RATS FEMALE | DAY ON TEST | |
|------------------------|-------------|
| | 0 | 0 |
| 0 mg/kg | 9 | 6 | 6 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 3 | 6 | 0 | 0 | 5 | 4 | 7 | 0 | 7 | 0 | 0 | 0 | 7 | 1 | 8 |
| | 2 | 5 | 8 | 0 | 3 | 9 | 3 | 4 | 2 | 2 | 3 | 0 | 3 | 4 | 2 | 9 | 9 | 0 | 9 | 2 | 9 | 2 | 9 | 2 | 9 | 2 | 8 | |
| ANIMAL ID | 0 | 0 |
| | 2 | 2 |
| | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 8 |
| | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |
| females (cont...) | |

Respiratory Epithelium, Degeneration
 Respiratory Epithelium, Hyperplasia
 Respiratory Epithelium, Hyperplasia, Basal Cell
 Respiratory Epithelium, Metaplasia, Squamous

1
 1

2

Trachea
 Glands, Cyst

+
 1

SPECIAL SENSES SYSTEM

Eye
 Anterior Chamber, Hemorrhage
 Cornea, Inflammation
 Optic Nerve, Degeneration

+ + + + + + + + + + + + + M + + + + + + + + + + + +

Harderian Gland
 Inflammation

+ + + + + + + + + + + + + M + + + + + + + + + + + +
 2

URINARY SYSTEM

Kidney
 Cyst
 Hydronephrosis
 Inflammation
 Necrosis
 Nephropathy
 Papilla, Necrosis
 Pelvis, Dilatation
 Transitional Epithelium, Hyperplasia

+
 1 2 1 2
 1 1 1 1 2 1
 2 2 1 1

Urinary Bladder

+ + + + + + + + + + + + + M + + + + + + + + + + + +

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 X .. Lesion present A .. Autolysis precludes evaluation
 I .. Insufficient tissue BLANK .. Not examined microscopically

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 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

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|------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0667 | 0372 | 0632 | 0092 | 0729 | 0730 | 0092 | 0729 | 0729 | 0678 | |
| 0 mg/kg | ANIMAL ID | | | | | | | | | | |
| | 00271 | 00272 | 00273 | 00274 | 00275 | 00276 | 00277 | 00278 | 00279 | 00280 | |
| | | | | | | | | | | | * TOTALS |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | | |
|------------------------------|---|---|---|---|---|---|---|---|---|---|----|----|-----|
| Esophagus | + | + | + | + | + | + | + | + | + | + | 60 | | |
| Muscularis, Degeneration | | | | | | | | | | | | 1 | 1.0 |
| Intestine Large, Cecum | + | + | + | + | + | + | + | + | + | + | 59 | | |
| Inflammation | | | | | | | | | | | | 1 | 1.0 |
| Lymphoid Tissue, Hyperplasia | | | | | | | | | | | | 1 | 2.0 |
| Intestine Large, Colon | + | + | + | + | + | + | + | + | + | + | 59 | | |
| Parasite Metazoan | X | | | | | | | | | | | 1 | |
| Intestine Large, Rectum | + | + | + | + | + | + | + | + | + | + | 59 | | |
| Parasite Metazoan | | | | | | | | | | | | 1 | |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | 57 | | |
| Intestine Small, Ileum | + | + | + | + | + | + | + | + | + | + | 55 | | |
| Intestine Small, Jejunum | + | + | + | + | + | + | + | + | + | + | 55 | | |
| Liver | + | + | + | + | + | + | + | + | + | + | 60 | | |
| Angiectasis | | | | | 2 | | | | | | | 1 | 2.0 |
| Basophilic Focus | X | | X | | X | X | | X | X | X | | 38 | |
| Clear Cell Focus | | | X | | X | X | | X | | | | 14 | |
| Degeneration, Cystic | | | | | | | | | | | | 1 | 1.0 |
| Eosinophilic Focus | | | | | | | | | | | | 3 | |
| Fatty Change | | | | | | | | | | 3 | | 7 | 1.9 |
| Inflammation | | | 1 | | | | | | | | | 5 | 1.4 |
| Mixed Cell Focus | | | | | X | | | X | X | | | 7 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
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 2) Mild 4) Marked

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Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE | DAY ON TEST | | | | | | | | | | |
|---|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|
| | 0677 | 0372 | 0632 | 0092 | 0729 | 0730 | 0092 | 0729 | 0729 | 0678 | |
| 0 mg/kg | ANIMAL ID | | | | | | | | | | |
| | 00271 | 00077 | 00077 | 00077 | 00077 | 00077 | 00077 | 00077 | 00077 | 00078 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |
| Necrosis | | | | | | | | | | | 3 2.7 |
| Pigmentation | | | | | | | | | | | 1 3.0 |
| Vacuolization Cytoplasmic, Focal | | | | | | X | | | | | 6 |
| Bile Duct, Hyperplasia | | | | | 1 | | | 2 | | | 21 1.2 |
| Bile Duct, Hyperplasia, Cystic | | | | | | | | | | | 1 3.0 |
| Hepatocyte, Regeneration | | | | | | | | | 3 | | 1 3.0 |
| Oval Cell, Hyperplasia | | | | | | | | | | | 1 1.0 |
| Portal, Infiltration Cellular, Mononuclear Cell | | | | | | | 1 | | | | 2 1.0 |
| Mesentery | | | | | | + | | | | | 6 |
| Necrosis | | | | | | 3 | | | | | 4 3.0 |
| Oral Mucosa | | | | | | | | | | | 1 |
| Pancreas | + | + | + | + | + | + | + | + | + | + | 60 |
| Inflammation | | | | | | | | | | | 1 1.0 |
| Acinus, Atrophy | | | | | 1 | | | | | | 3 1.3 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | 59 |
| Inflammation | | | | | | | | | | | 1 2.0 |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | 60 |
| Erosion | | | | | | | | | | | 2 3.0 |
| Inflammation | | | | | | | | | 4 | | 5 2.0 |
| Ulcer | | | | | | | | | 4 | | 2 3.0 |
| Epithelium, Hyperkeratosis | | | | | | | | | | | 1 1.0 |
| Epithelium, Hyperplasia | | | | | | | | | | | 3 3.0 |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | 60 |
| Inflammation | | | | | | | | | 2 | | 4 1.8 |
| Mineralization | | | | | | | | | | | 1 1.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE | DAY ON TEST | | | | | | | | | | |
|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--|
| | 0
6
6
7 | 0
3
7
2 | 0
6
3
2 | 0
0
9
2 | 0
7
2
9 | 0
7
3
0 | 0
0
9
2 | 0
7
2
9 | 0
7
2
9 | 0
6
7
8 | |
| 0 mg/kg | 0
0
2
7
1 | 0
0
2
7
2 | 0
0
2
7
3 | 0
0
2
7
4 | 0
0
2
7
5 | 0
0
2
7
6 | 0
0
2
7
7 | 0
0
2
7
8 | 0
0
2
7
9 | 0
0
2
8
0 | |
| * TOTALS | | | | | | | | | | | |

Epithelium, Degeneration
 Epithelium, Hyperplasia

1 2.0
 1 3.0

CARDIOVASCULAR SYSTEM

Blood Vessel

+ + + + + + + + + +

60

Heart

+ + + + + + + + + +

60

Cardiomyopathy
 Inflammation

2 2

20 1.4
 1 2.0

ENDOCRINE SYSTEM

Adrenal Cortex

+ + + + + + + + + +

60

Degeneration, Cyst

1 2.0

Hyperplasia

1 2 2 2 1 2

21 1.6

Hypertrophy

1

13 1.8

Necrosis

3 1.0

Adrenal Medulla

+ + + + + + + + + +

60

Hyperplasia

2 1.0

Islets, Pancreatic

+ + + + + + + + + +

60

Parathyroid Gland

+ + + + + + + + M +

57

Pituitary Gland

+ + + + + + + + + +

60

Pars Distalis, Cyst

1 2.0

Pars Distalis, Hyperplasia

2 4

12 2.1

Pars Intermedia, Hyperplasia

2

1 2.0

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

M .. Missing tissue

X .. Lesion present

A .. Autolysis precludes evaluation

I .. Insufficient tissue

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

| | | | | | | | | | | | | | | |
|----------------------------------|-------------|-----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----|--|
| WISTAR HAN RATS FEMALE | DAY ON TEST | 0667 | 0372 | 0632 | 0092 | 0729 | 0730 | 0092 | 0729 | 0678 | | | | |
| | 0 mg/kg | ANIMAL ID | 00271 | 00272 | 00273 | 00274 | 00275 | 00276 | 00277 | 00278 | 00279 | | | |
| | | | | | | | | | | | | | | |
| * TOTALS | | | | | | | | | | | | | | |
| Thyroid Gland | | + | + | + | + | + | + | + | + | + | 60 | | | |
| C-cell, Hyperplasia | | | | | | 1 | | | 2 | 1 | | 29 | 1.3 | |
| Follicular Cell, Hyperplasia | | | | | | | | | | | | 2 | 2.5 | |
| GENERAL BODY SYSTEM | | | | | | | | | | | | | | |
| NONE | | | | | | | | | | | | | | |
| GENITAL SYSTEM | | | | | | | | | | | | | | |
| Clitoral Gland | | + | + | + | + | + | + | + | + | + | + | 59 | | |
| Inflammation | | | | | | | | | | | | 4 | 2.3 | |
| Ovary | | + | + | + | + | + | + | + | + | + | + | 60 | | |
| Cyst | | | 2 | 3 | | | | | | | | 8 | 2.8 | |
| Inflammation | | | 2 | | | | | | | | | 1 | 2.0 | |
| Oviduct | | | | | | | | | | | | | 1 | |
| Uterus | | + | + | + | + | + | + | + | + | + | + | 60 | | |
| Hemorrhage | | | | | | | | | | | | 1 | 4.0 | |
| Inflammation | | 1 | | 1 | | | | | | | | 3 | 1.3 | |
| Cervix, Fibrosis | | | | | | | | | | | | 1 | 2.0 | |
| Endometrium, Hyperplasia, Cystic | | 2 | | | | | | | 3 | 1 | | 10 | 2.2 | |
| Vagina | | | | | | | | | | | | | 1 | |
| HEMATOPOIETIC SYSTEM | | | | | | | | | | | | | | |
| Bone Marrow | | + | + | + | + | + | + | + | + | + | + | 60 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
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BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
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2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE | | DAY ON TEST | | | | | | | | | | | | |
|----------------------------------|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----|--|
| | | 0667 | 0372 | 0632 | 0092 | 0729 | 0730 | 0092 | 0729 | 0729 | 0678 | | | |
| 0 mg/kg | | ANIMAL ID | | | | | | | | | | | | |
| | | 00271 | 00027 | 00027 | 00027 | 00027 | 00027 | 00027 | 00027 | 00027 | 00028 | | | |
| * TOTALS | | | | | | | | | | | | | | |
| Hyperplasia | | | | | | | | | | | | 6 | 1.7 | |
| Lymph Node | | | | | | | | | | | | 3 | | |
| Mediastinal, Hyperplasia | | | | | | | | | | | | 1 | 4.0 | |
| Lymph Node, Mandibular | | + | + | + | + | + | + | + | + | + | | 59 | | |
| Degeneration, Cystic | | | | | | | | | | | | 2 | 2.0 | |
| Hyperplasia, Plasma Cell | | 3 | | | | | | | | | | 12 | 2.3 | |
| Lymph Node, Mesenteric | | + | + | + | + | + | + | + | + | + | | 60 | | |
| Spleen | | + | + | + | + | + | + | + | + | + | | 60 | | |
| Hematopoietic Cell Proliferation | | 2 | | | | | | | | | | 11 | 2.1 | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | 1 | 1.0 | |
| Lymphoid Follicle, Hyperplasia | | | | | | | | | | | | 1 | 1.0 | |
| Thymus | | + | + | + | + | + | + | + | + | + | | 59 | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | | | | | | |
| Mammary Gland | | + | + | + | + | + | + | + | + | + | | 60 | | |
| Hyperplasia | | 3 | | | | | | | | | | 3 | 1.7 | |
| Skin | | + | + | + | + | + | + | + | + | + | | 60 | | |
| Hyperkeratosis | | | | | | | | | | | | 1 | 1.0 | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | | | | | | |
| Bone | | + | + | + | + | + | + | + | + | + | | 60 | | |

NERVOUS SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE | DAY ON TEST | 0
6
6
7 | 0
3
7
2 | 0
6
3
2 | 0
0
9
2 | 0
7
2
9 | 0
7
3
0 | 0
0
9
2 | 0
7
2
9 | 0
7
2
9 | 0
6
7
8 | | | | |
|--|-------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------|----------|--|--|
| | 0 mg/kg | 0
0
2
7
1 | 0
0
2
7
2 | 0
0
2
7
3 | 0
0
2
7
4 | 0
0
2
7
5 | 0
0
2
7
6 | 0
0
2
7
7 | 0
0
2
7
8 | 0
0
2
7
9 | 0
0
2
8
0 | | | | |
| | ANIMAL ID | | | | | | | | | | | | * TOTALS | | |
| Brain | | + | + | + | + | + | + | + | + | + | + | 60 | | | |
| Peripheral Nerve | | + | | | | | | | | | | | 1 | | |
| Spinal Cord
Degeneration | | + | | | | | | | | | | | 1 | | |
| | | 2 | | | | | | | | | | | 1 2.0 | | |
| RESPIRATORY SYSTEM | | | | | | | | | | | | | | | |
| Lung | | + | + | + | + | + | + | + | + | + | + | 60 | | | |
| Inflammation, Suppurative | | | | | | | | | | | | 1 2.0 | | | |
| Inflammation, Chronic Active | | | | | | | | | | | | 14 1.2 | | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | 3 1.3 | | | |
| Alveolus, Infiltration Cellular, Histiocyte | | 1 | 2 | | 1 1 | | 1 | | | | | 23 1.2 | | | |
| Nose | | + | + | + | + | + | + | + | + | + | + | 59 | | | |
| Foreign Body | | | | | | | | | | | | 3 | | | |
| Inflammation, Suppurative | | | | | | | | | | | | 5 1.2 | | | |
| Epithelium, Goblet Cell, Nasopharyngeal Duct, Hyperplasia | | | | | | | | | | | | 4 1.0 | | | |
| Epithelium, Nasopharyngeal Duct, Accumulation, Hyaline Droplet | | | | | | | | | | | | 1 1.0 | | | |
| Lamina Propria, Mineralization | | | | | | | | | | | | 3 1.0 | | | |
| Lamina Propria, Pigmentation | | | | | | | | | | | | 1 1.0 | | | |
| Nasopharyngeal Duct, Foreign Body | | | | | | | | | | | | 1 | | | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | 3 | | 2 2 | | 2 1 | | | | | 33 2.0 | | | | |
| Olfactory Epithelium, Atrophy | | | | | | | | | | | | 2 1.5 | | | |
| Olfactory Epithelium, Metaplasia, Respiratory | | | | | | | | | | | | 2 1.0 | | | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | 1 | | 1 1 | | 1 1 | | | | | 28 1.1 | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE | | DAY ON TEST | | | | | | | | | | | | |
|--|--|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----|-----|-----|
| | | 0667 | 0372 | 0632 | 0092 | 0729 | 0730 | 0092 | 0729 | 0729 | 0678 | | | |
| | | | | | | | | | | | | | | |
| 0 mg/kg | | ANIMAL ID | | | | | | | | | | | | |
| | | 00271 | 00271 | 00273 | 00274 | 00275 | 00276 | 00277 | 00278 | 00279 | 00280 | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| * TOTALS | | | | | | | | | | | | | | |
| Respiratory Epithelium, Degeneration | | | | | | | | | | | | 1 | 1.0 | |
| Respiratory Epithelium, Hyperplasia | | | | | | | | | | | | 1 | 1.0 | |
| Respiratory Epithelium, Hyperplasia, Basal Cell | | | | | | | | | | | | 1 | 2.0 | |
| Respiratory Epithelium, Metaplasia, Squamous | | | | | | | | | | | | 1 | 1.0 | |
| Trachea | | + | + | + | + | + | + | + | + | + | + | 60 | | |
| Glands, Cyst | | | | | | | | | | | | 1 | 1.0 | |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | | | |
| Eye | | + | + | + | + | + | + | + | + | + | + | 58 | | |
| Anterior Chamber, Hemorrhage | | | | | | | | | | | | 1 | 3.0 | |
| Cornea, Inflammation | | | | | | | | | | | | 1 | 3.0 | |
| Optic Nerve, Degeneration | | | | | | | | | | | | 1 | 1.0 | |
| Harderian Gland | | + | + | + | + | + | + | + | + | + | + | 58 | | |
| Inflammation | | | | | | | | | | | | 2 | 2.0 | |
| URINARY SYSTEM | | | | | | | | | | | | | | |
| Kidney | | + | + | + | + | + | + | + | + | + | + | 60 | | |
| Cyst | | | | | | | | | | | | 2 | 1.5 | |
| Hydronephrosis | | | | | | | | | | | | 2 | 1.5 | |
| Inflammation | | 1 | | | | | | | | | 2 | 11 | 1.7 | |
| Necrosis | | | | | | | | | | | | 1 | 1.0 | |
| Nephropathy | | 1 | | | | | | | 1 | | 1 | 21 | 1.1 | |
| Papilla, Necrosis | | | | | | | | | | | | 1 | 1.0 | |
| Pelvis, Dilatation | | | | | | | | | | | | 1 | 1.0 | |
| Transitional Epithelium, Hyperplasia | | | | | | | | | | | | 2 | 7 | 1.9 |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | 59 | | |
| * .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade | | | | | | | | | | | | | | |
| + .. Tissue examined microscopically | | | | | | | | | | | | | | |
| X .. Lesion present | | | | | | | | | | | | | | |
| I .. Insufficient tissue | | | | | | | | | | | | | | |
| M .. Missing tissue | | | | | | | | | | | | | | |
| A .. Autolysis precludes evaluation | | | | | | | | | | | | | | |
| BLANK .. Not examined microscopically | | | | | | | | | | | | | | |
| 1-4 .. Lesion qualified as: | | | | | | | | | | | | | | |
| 1) Minimal 3) Moderate | | | | | | | | | | | | | | |
| 2) Mild 4) Marked | | | | | | | | | | | | | | |

| | | | | | | | | | | | | |
|------------------------|-------------|-----------|---|---|---|---|---|---|---|---|----------|-------|
| WISTAR HAN RATS FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 6 | 3 | 6 | 0 | 7 | 7 | 0 | 7 | 7 | | |
| | | 6 | 7 | 3 | 9 | 2 | 3 | 9 | 2 | 2 | | |
| | | 7 | 2 | 2 | 2 | 9 | 0 | 2 | 9 | 9 | | |
| | 0 mg/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| 0 | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| 2 | | | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | | |
| 7 | | | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | | |
| 1 | | | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | | |
| | | | | | | | | | | | * TOTALS | |
| Inflammation | | | | | | | | | | | | 1 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

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2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
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 Species/Strain: RATS/Wistar Han

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 Green tea extract
 CAS Number: GREENTEAEXTR

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 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE | DAY ON TEST |
|------------------------|-------------------|
| | 0729 | 0015 | 0048 | 0079 | 0069 | 0051 | 0079 | 0058 | 0079 | 0073 | 0069 | 0075 | 0073 | 0076 | 0073 | 0064 | 0073 | 0064 | 0073 | 0073 | 0071 | 0072 | 0064 | 0073 | 0072 |
| 100 mg/kg | 00281 | 00082 | 00088 | 00088 | 00088 | 00088 | 00088 | 00088 | 00088 | 00089 | 00089 | 00089 | 00089 | 00089 | 00089 | 00089 | 00089 | 00089 | 00089 | 00089 | 00089 | 00089 | 00089 | 00089 | 00089 |
| ANIMAL ID | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| | females (cont...) | |

ALIMENTARY SYSTEM

| | |
|---|---|
| Esophagus Inflammation | + |
| Intestine Large, Cecum Lymphoid Tissue, Hyperplasia | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum | + | + | A | + | + | M | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum Necrosis, Hemorrhagic | + | + | A | + | A | M | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Liver Angiectasis | + | + | + | + | + | I | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | X | | X | X | | | X | | X | X | X | X | X | X | X | X | X | X | X | X | X | | X | X |
| Clear Cell Focus | | | | | | | X | | | X | | | X | | | | | | | X | | | | |
| Eosinophilic Focus | | | | | | | | | | | | | X | | | | | | | | | | | X |
| Fatty Change | |
| Hematopoietic Cell Proliferation | | | | | 2 | 3 | | | | | | | | | | | | | | 3 | | | | |
| Hematopoietic Cell Proliferation, Granulocytic | 3 | | | |
| Inflammation | | | | | | | | | 1 | | | | | | | | | | | | | | | 1 |
| Mixed Cell Focus |
| Necrosis | | | | | | 2 | | | | | | | | | | | | | | | | | | |

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 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
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 Green tea extract
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 Lab: BAT

| WISTAR HAN RATS FEMALE

100 mg/kg | DAY ON TEST | 0729 | 0015 | 0048 | 0072 | 0065 | 0057 | 0075 | 0057 | 0077 | 0069 | 0072 | 0056 | 0077 | 0053 | 0076 | 0067 | 0073 | 0069 | 0074 | 0077 | 0063 | 0079 | 0071 | 0062 | 0074 | 0063 | 0072 | females
(cont...) |
|---|-------------|----------------------|
| | ANIMAL ID | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | |
| | | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 | 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | |
| Pigmentation | | | | | | | 2 | |
| Vacuolization Cytoplasmic, Focal | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | |
| Bile Duct, Cyst | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Bile Duct, Hyperplasia | 1 | | | | | | 1 | | 1 | | | | | 1 | | | | | | | 2 | 1 | | | | | | | |
| Oval Cell, Hyperplasia | | 1 | | | | | | | | |
| Portal, Infiltration Cellular, Mononuclear Cell | | | | | | | | | 1 | |
| Mesentery | | | | | | | | | | + | | | | | | | | | | + | | | | | | | | | |
| Pancreas | + | + | + | + | + | M | + | |
| Inflammation | | |
| Acinus, Atrophy | | | | | | | 3 | | | | | | | 1 | | | | | | | | | | | | | | | |
| Acinus, Cytoplasmic Alteration | | |
| Duct, Cyst | | | | | | | 2 | |
| Salivary Glands | + | + | M | + | + | M | + | |
| Duct, Cyst | | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | | |
| Stomach, Forestomach | + | + | |
| Erosion | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| Inflammation | | 2 | | | |
| Mineralization | | |
| Ulcer | | |
| Epithelium, Hyperplasia | | 2 | | | |
| Stomach, Glandular | + | + | + | + | + | A | + | |
| Inflammation | | |
| Mineralization | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| Necrosis | | |
| Mucosa, Necrosis | | | | | | | 2 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | females
(cont...) | | | | | | |
|------------------------|--|-------------|----------------------|-------|-------|-------|-------|-------|-------|
| | | 0729 | 0015 | 0048 | 0079 | 0069 | 0051 | 0079 | 0058 | 0079 | 0073 | 0069 | 0072 | 0056 | 0073 | 0076 | 0064 | 0073 | 0064 | 0071 | 0073 | | 0071 | 0072 | 0064 | 0073 | 0065 | 0073 |
| 100 mg/kg | | 00281 | 00028 | 00028 | 00028 | 00028 | 00028 | 00028 | 00028 |
| ANIMAL ID | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |

CARDIOVASCULAR SYSTEM

| |
|--------------------------|
| Blood Vessel | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy | | | | 1 | 1 | | 1 | | | 1 | | | 2 | 1 | 1 | | 1 | | 1 | | 1 | 2 | | 1 | | |
| Epicardium, Inflammation | |

ENDOCRINE SYSTEM

| |
|------------------------------|
| Adrenal Cortex | + | + | + | + | + | M | + |
| Hyperplasia | 2 | | | | | | 1 | 1 | 1 | | 1 | 2 | 2 | 1 | | | 3 | | | | 2 | | 1 | | | |
| Hypertrophy | | | | | | | | | 2 | 2 | | | | 2 | | 2 | 3 | | | | | 2 | 2 | | | |
| Adrenal Medulla | + | + | + | + | + | M | + |
| Vacuolization Cytoplasmic | | | | | | | | | | | 2 | | | | | | | | | | 2 | | | | | |
| Islets, Pancreatic | + | + | + | + | + | M | + |
| Parathyroid Gland | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pituitary Gland | + |
| Angiectasis |
| Pars Distalis, Hyperplasia | | | | | | 2 | | | | | 3 | | | | | | 3 | | | | 3 | | | | | 3 |
| Pars Intermedia, Angiectasis | | | | | | | | | | | | 3 | | | | | | | | | | | | | | |
| Thyroid Gland | + | + | + | + | + | M | + |
| C-cell, Hyperplasia | 1 | | | | | | 1 | | | | | 3 | 1 | | | 2 | | 4 | 1 | | | | 1 | | | |
| Follicular Cell, Hyperplasia | | | | | | | | | | | | | 2 | | | | | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| WISTAR HAN RATS FEMALE | DAY ON TEST | | 0 | females
(cont...) | | | | | | |
|---------------------------------------|-------------|--|----------------------|---|---|---|---|---|---|
| | | | 7 | 0 | 4 | 7 | 6 | 5 | 7 | 5 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | | | | | | | |
| | | | 2 | 1 | 0 | 2 | 8 | 9 | 1 | 2 | 9 | 8 | 9 | 0 | 8 | 9 | 6 | 0 | 3 | 3 | 6 | 4 | 0 | 9 | 1 | | 3 | 1 | 2 | 4 | 3 | 0 |
| 100 mg/kg | ANIMAL ID | | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |
| | | | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| Hyperplasia, Plasma Cell | | | 2 | | | | | | | |
| Lymph Node, Mesenteric | | | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | |
| Spleen | | | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Depletion Lymphoid | | | | | | | 1 | | | | | | 1 | | | | 3 | | | | | | | | | | | | | | | |
| Fibrosis | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | | | | 3 | 4 | | | | | | | | 3 | | | | | | 4 | | | 3 | 3 | | | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | |
| Thymus | | | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Inflammation | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | |
| Mammary Gland | | | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | | | | | | | | | | | | 2 | | 4 | 3 | | | | | | | | | | | | | | | | | |
| Epithelium, Cytoplasmic Alteration | | | | | | | | | |
| Skin | | | + | + | + | + | + | + | + |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | |
| Bone | | | + | + | + | + | + | + | + |
| NERVOUS SYSTEM | | | | | | | | | |
| Brain | | | + | + | + | + | + | + | + |
| Cerebellum, Vacuolization Cytoplasmic | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | |
| Peripheral Nerve | | | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Lab: BAT

| | | | | |
|------------------------|-----------|-------------|----------------------|----------------------|
| WISTAR HAN RATS FEMALE | 100 mg/kg | DAY ON TEST | 0729 | 0015 | 0048 | 0079 | 0069 | 0051 | 0079 | 0058 | 0079 | 0030 | 0068 | 0079 | 0056 | 0070 | 0073 | 0064 | 0074 | 0070 | 0079 | 0061 | 0064 | 0073 | 0072 | females
(cont...) | |
| | | ANIMAL ID | 00281 | 00028 | | females
(cont...) |
| | | | 00281 | 00028 | | |

Spinal Cord

RESPIRATORY SYSTEM

| | |
|--|---|
| Lung | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | |
| Congestion | | 3 | |
| Edema | | 3 | |
| Fibrosis | | 2 | | | | |
| Hemorrhage | |
| Inflammation, Suppurative | | | | | 1 | |
| Inflammation, Chronic Active | | | | 1 | | | | | 1 | | | | 2 | | | 2 | | | | | 1 | | | 1 | | |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | | | | | 2 | | | | | | | | | 1 | | |
| Alveolus, Infiltration Cellular, Histiocyte | 1 | | 1 | 2 | | | | 1 | | 2 | 1 | | 1 | | 1 | 1 | | 2 | 1 | | 1 | | | 1 | | |
| Nose | + | + | A | + | | |
| Foreign Body | | | | | | | | | | | | | X | | | | | | | | | | | | | |
| Inflammation, Suppurative | | | | | | | | | | | | | 2 | | | | | | | | | 1 | | | | |
| Epithelium, Goblet Cell, Nasopharyngeal Duct, Hyperplasia |
| Epithelium, Nasopharyngeal Duct, Accumulation, Hyaline Droplet | | | | | 1 | 1 | | | | | | | 2 | | | | | | | | | | | | | |
| Epithelium, Nasopharyngeal Duct, Hyperplasia | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Epithelium, Nasopharyngeal Duct, Necrosis | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Lamina Propria, Mineralization | 1 | | | | | | | 1 | | | | 1 | 1 | 1 | | 1 | 2 | | 1 | | | | | 1 | | |
| Nasopharyngeal Duct, Inflammation, Suppurative | | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | |
| Nerve, Atrophy | 2 | | | 2 | 2 | | | | | 1 | 2 | 2 | 2 | | 2 | 2 | 2 | | 2 | 2 | 2 | | 2 | 1 | 2 | 1 |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | 1 | | | | | | 1 | | 2 | 1 | | 2 | | | 2 | 2 | | 2 | | 3 | | 1 | 1 | 2 | 2 | |
| Olfactory Epithelium, Atrophy | 2 | | | 2 | 2 | | | | | 2 | 2 | 2 | 2 | | 2 | 2 | | 2 | 2 | 2 | | | 1 | 2 | 1 | |
| Olfactory Epithelium, Metaplasia, Respiratory | 3 | | | 3 | 3 | 1 | | | | 1 | 1 | 2 | 1 | 2 | 3 | 3 | | 3 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | |

2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE

100 mg/kg | | DAY ON TEST | | | females
(cont...) |
|---|--|-------------|--|----------------------|
| | | 0729 | 0015 | 0048 | 0079 | 0065 | 0057 | 0075 | 0077 | 0063 | 0072 | 0057 | 0077 | 0063 | 0073 | 0066 | 0077 | 0066 | 0077 | 0077 | 0077 | 0077 | 0067 | 0077 | 0067 | 0073 | 0072 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | |
| | | 0729 | 0015 | 0048 | 0079 | 0065 | 0057 | 0075 | 0077 | 0063 | 0072 | 0057 | 0077 | 0063 | 0073 | 0066 | 0077 | 0066 | 0077 | 0077 | 0077 | 0077 | 0067 | 0077 | 0067 | 0073 | 0072 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | | | |
| | | 00281 | 00022 | 00028 | 00028 | 00028 | 00022 | 00022 | 00022 | 00022 | 00022 | 00022 | 00022 | 00022 | 00022 | 00022 | 00022 | 00022 | 00022 | 00022 | 00022 | 00022 | 00022 | 00022 | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Lab: BAT

| | | |
|--|--|----------|
| DAY ON TEST

WISTAR HAN RATS FEMALE

100 mg/kg | | 0730 | 0730 | 0739 | 0730 | 0739 | 0739 | 0730 | 0730 | 0730 | 0739 | 0732 | 0739 | 0739 | 0739 | 0734 | 0731 | 0734 | 0738 | 0739 | 0738 | 0739 | 0739 | 0734 | * TOTALS |
| | | 0030 | 0033 | 0030 | 0033 | 0030 | 0031 | 0032 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | |
| | | 0036 | 0037 | 0038 | 0039 | 0030 | 0031 | 0032 | 0033 | 0034 | 0035 | 0036 | 0037 | 0038 | 0039 | 0030 | 0031 | 0032 | 0033 | 0034 | 0035 | 0036 | 0037 | 0038 | |

- Liver
 - Angiectasis
 - Basophilic Focus
 - Clear Cell Focus
 - Eosinophilic Focus
 - Fatty Change
 - Hematopoietic Cell Proliferation
 - Hematopoietic Cell Proliferation, Granulocytic
 - Inflammation
 - Mixed Cell Focus
 - Necrosis

2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE | DAY ON TEST | |
|------------------------|-------------|----------|
| | 0730 | 0730 | 0729 | 0733 | 0740 | 0779 | 0779 | 0773 | 0773 | 0773 | 0740 | 0522 | 0722 | 0722 | 0722 | 0722 | 0722 | 0722 | 0722 | 0722 | 0722 | 0722 | 0722 | 0722 | 0722 | 0722 | 0722 | |
| 100 mg/kg | 0030 | 0033 | 0030 | 0033 | * TOTALS |
| ANIMAL ID | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 0 | 0 | |

CARDIOVASCULAR SYSTEM

| | | | |
|--------------------------|----|----|-----|
| Blood Vessel | + | 48 | | |
| Heart | + | 48 | | |
| Cardiomyopathy | 2 | 1 | 1 | | | 1 | 1 | | 1 | | 1 | | 2 | 1 | 1 | | | | | | 2 | | | | 2 | | | 24 | 1.3 |
| Epicardium, Inflammation | | 3 | | | 2 | 2.0 |

ENDOCRINE SYSTEM

| | | | |
|------------------------------|----|----|-----|
| Adrenal Cortex | + | 49 | | |
| Hyperplasia | 1 | | | 2 | | | 1 | 3 | 1 | | | 2 | 3 | | 1 | | | 1 | 2 | 3 | 1 | | | 2 | 1 | | | 25 | 1.6 |
| Hypertrophy | | 3 | 3 | | 2 | | | | | | | | 2 | | 2 | | | 2 | | 4 | | | | 2 | | | | 15 | 2.3 |
| Adrenal Medulla | + | 49 | | |
| Vacuolization Cytoplasmic | | 2 | 2.0 |
| Islets, Pancreatic | + | 49 | | |
| Parathyroid Gland | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | 46 | | |
| Pituitary Gland | + | 50 | | |
| Angiectasis | 2 | | | 1 | 2.0 |
| Pars Distalis, Hyperplasia | 2 | | | | | | | 1 | | 3 | | | | | | | | 3 | | 2 | 4 | 1 | | 1 | | | | 13 | 2.4 |
| Pars Intermedia, Angiectasis | | 1 | 3.0 |
| Thyroid Gland | + | 49 | | |
| C-cell, Hyperplasia | | 1 | 1 | | | 2 | | | 2 | | | | 1 | | | 3 | | | | | | | | | | | | 14 | 1.7 |
| Follicular Cell, Hyperplasia | | 1 | 2.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| DAY ON TEST | | 0 | * TOTALS |
|------------------------|--|----------|
| | | 7 | 7 | 7 | 7 | 4 | 7 | 7 | 7 | 7 | 7 | 4 | 5 | 7 | 7 | 7 | 4 | 6 | 7 | 7 | 6 | 7 | 3 | 7 | 6 | 0 | | |
| WISTAR HAN RATS FEMALE | | 3 | 3 | 2 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 9 | 2 | 2 | 2 | 2 | 8 | 9 | 1 | 3 | 2 | 2 | 0 | 2 | 4 | 6 | | |
| | | 0 | 0 | 9 | 0 | 0 | 9 | 9 | 0 | 0 | 0 | 0 | 2 | 9 | 9 | 9 | 4 | 1 | 4 | 0 | 8 | 9 | 8 | 9 | 9 | 4 | | |
| 100 mg/kg | | 0 | | |
| | | 0 | | |
| | | 3 | | |
| ANIMAL ID | | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | | |
| | | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | |
|----------------------------------|----|----|-----|
| Clitoral Gland | + | 49 | | |
| Inflammation | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | 2 | 2.5 |
| Ovary | + | 49 | | |
| Cyst | 3 | 2 | | 3 | | 3 | 1 | | | | | | 3 | | | | 3 | | | | | | | | | | | 12 | 2.4 |
| Inflammation | | | | | 2 | | 1 | | 5 | 2.4 |
| Uterus | + | 49 | | |
| Decidual Reaction | | 1 | 2.0 |
| Inflammation | | | | | 2 | | | | | | | 3 | | | | | 4 | | | | | | | | | | | 4 | 2.5 |
| Endometrium, Hyperplasia, Cystic | | 1 | | | | | 3 | | | | 1 | | | | | 2 | | | | 3 | 1 | | | | | | | 14 | 1.9 |
| Vagina | + | | | 2 | |

HEMATOPOIETIC SYSTEM

| | | |
|-------------------------|----|-----|
| Bone Marrow | + | 50 | |
| Hyperplasia | | | | | 1 | | | 2 | | | | | | | | 3 | 1 | | | 2 | | | | | | | | 14 | 2.1 |
| Lymph Node | 1 | |
| Mediastinal, Hemorrhage | | 1 | 2.0 |
| Lymph Node, Mandibular | + | 48 | |
| Degeneration, Cystic | 2 | | | 4 | 1.8 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
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 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE
100 mg/kg | DAY ON TEST | |
|---------------------------------------|-------------|----------|
| | 0730 | 0730 | 0732 | 0733 | 0743 | 0772 | 0772 | 0773 | 0773 | 0773 | 0774 | 0782 | 0782 | 0782 | 0782 | 0782 | 0782 | 0782 | 0782 | 0782 | 0782 | 0782 | 0782 | 0782 | 0782 | 0782 | 0782 | 0782 | |
| ANIMAL ID | 0030 | 0033 | * TOTALS |
| Hyperplasia, Plasma Cell | 2 | 3 2.0 |
| Lymph Node, Mesenteric | + | + | 49 |
| Spleen | + | + | 49 |
| Depletion Lymphoid | | | | | 1 | | | | | | | | | | | | 1 | 3 | | | | | | 2 | | | | | 7 1.7 |
| Fibrosis | | 1 2.0 |
| Hematopoietic Cell Proliferation | | 7 3.1 |
| Hyperplasia, Lymphoid | | 1 3.0 |
| Thymus | + | + | 47 |
| Inflammation | | 1 2.0 |
| INTEGUMENTARY SYSTEM | | |
| Mammary Gland | + | + | 49 |
| Hyperplasia | | 3 3.0 |
| Epithelium, Cytoplasmic Alteration | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | 1 2.0 |
| Skin | + | + | 50 |
| MUSCULOSKELETAL SYSTEM | | |
| Bone | + | + | 50 |
| NERVOUS SYSTEM | | |
| Brain | + | + | 50 |
| Cerebellum, Vacuolization Cytoplasmic | | 1 1.0 |
| Peripheral Nerve | | 2 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Lab: BAT

[illegible]

| | | | |
|--------------------|----------|----------|----------|
| Spinal Cord | + | + | 2 |
|--------------------|----------|----------|----------|

RESPIRATORY SYSTEM

| | | | | |
|--|----|----|-----|-----|
| Lung | + | 49 | | | |
| Congestion | | 1 | 3.0 | |
| Edema | | 3 | | 2 | 3.0 | |
| Fibrosis | | 1 | 2.0 | |
| Hemorrhage | | 2 | | | | 1 | 2.0 | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | 4 | 1 | | | | | | | | | | | 3 | 2.0 | |
| Inflammation, Chronic Active | | | | | | | 2 | | | 2 | 1 | | | | | | | | | | | | | | | 1 | 2 | 11 | 1.5 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | | | 1 | | 1 | | | | | | | | | | | | | | 1 | 7 | 1.4 |
| Alveolus, Infiltration Cellular, Histiocyte | | | 1 | 1 | 2 | 1 | 1 | 1 | | 1 | 3 | | | 1 | 1 | 1 | | | | | 2 | | | 1 | 1 | 1 | | 31 | 1.2 |
| Nose | + | 49 | | |
| Foreign Body | | | | | | | | | | | | | | | | | X | | | | | | | | | | | 2 | |
| Inflammation, Suppurative | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | | 3 | 2.0 |
| Epithelium, Goblet Cell, Nasopharyngeal Duct, Hyperplasia | | | | | | | 1 | | | | | | | | 1 | 1 | | | | | | | | | | 2 | | 4 | 1.3 |
| Epithelium, Nasopharyngeal Duct, Accumulation, Hyaline Droplet | | 3 | 3 | | 5 | 2.0 |
| Epithelium, Nasopharyngeal Duct, Hyperplasia | | | 1 | 1.0 |
| Epithelium, Nasopharyngeal Duct, Necrosis | | | 1 | 1.0 |
| Lamina Propria, Mineralization | 1 | 1 | 1 | | | 1 | 1 | 1 | 1 | 2 | | | | 1 | | 2 | | | 1 | 1 | 1 | | | | | 1 | | 23 | 1.1 |
| Nasopharyngeal Duct, Inflammation, Suppurative | | | 2 | 1.0 |
| Nerve, Atrophy | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 | | | | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | | | 38 | 1.6 |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | 1 | | | 1 | | | 2 | 2 | 1 | 1 | 3 | | | 2 | 2 | 1 | | 1 | 1 | 2 | 2 | 1 | | | 4 | 3 | | 31 | 1.7 |
| Olfactory Epithelium, Atrophy | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 1 | 2 | 1 | | | | | 1 | 2 | 1 | 1 | 1 | 2 | 2 | 2 | | | 2 | | 35 | 1.6 |
| Olfactory Epithelium, Metaplasia, Respiratory | 2 | 2 | | 1 | 1 | 1 | 2 | 2 | 3 | 2 | | | 1 | 3 | 2 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 | 1 | 3 | 3 | 2 | 42 | 2.1 |

2) Mild 4) Marked

Lab: BAT

| WISTAR HAN RATS FEMALE

100 mg/kg | | DAY ON TEST | | * TOTALS | | | |
|---|--|-----------------------|----------|---|-----------------------|-----------------------|
| | | 0
7
3
0 | 0
7
3
0 | 0
7
2
9 | 0
7
3
0 | 0
7
4
0 | 0
7
2
9 | 0
7
2
9 | 0
7
3
0 | 0
7
3
0 | 0
7
3
0 | 0
7
4
9 | 0
7
2
9 | 0
7
2
9 | 0
7
2
9 | 0
4
8
4 | 0
6
9
1 | 0
7
1
4 | 0
7
3
0 | 0
6
2
8 | 0
7
2
9 | 0
3
0
8 | 0
7
2
9 | | | 0
6
4
9 | 0
0
6
4 |
| | | 0
0
3
0
6 | 0
0
3
0
7 | 0
0
3
0
8 | 0
0
3
0
9 | 0
0
3
1
0 | 0
0
3
1
1 | 0
0
3
1
2 | 0
0
3
1
3 | 0
0
3
1
4 | 0
0
3
1
5 | 0
0
3
1
6 | 0
0
3
1
7 | 0
0
3
1
8 | 0
0
3
1
9 | 0
0
3
2
0 | 0
0
3
2
1 | 0
0
3
2
2 | 0
0
3
2
3 | 0
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2
4 | 0
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3
2
5 | 0
0
3
2
6 | 0
0
3
2
7 | | | 0
0
3
2
8 | 0
0
3
2
9 |
| | | ANIMAL ID | | | | |
| Olfactory Epithelium, Necrosis | | | 2 | 3 1.7 | | | | |
| Olfactory Epithelium, Pigmentation | | 1 | | | | | | | | | | | | | | | | | | | | 1 1 | 11 1.0 | | | | |
| Olfactory Epithelium, Squamous Metaplasia | | | 2 1.0 | | | | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | 1 | | 1 | 1 | | | 1 | 2 | 2 | 1 | 2 | 1 | 3 | 2 | 1 | | 1 | 1 | 3 | 1 | | | 4 | 3 | 31 1.6 | |
| Respiratory Epithelium, Atrophy | | | 8 1.5 | | | | |
| Respiratory Epithelium, Hyperplasia | | | 1 1 | 1 1.0 | | | | |
| Respiratory Epithelium, Metaplasia, Squamous | | | 1 | 1 1.0 | | | | |
| Respiratory Epithelium, Necrosis | | | 2 | 1 2.0 | | | | |
| Respiratory Epithelium, Pigmentation | | | 1 | 1 1.0 | | | | |
| Turbinate, Deformity | | | | | X | X | | | | X | | | | | | | X | | X | | | | | | | | 6 |
| Turbinate, Hyperostosis | | | 1 | 1 | | | | 1 | 1 | 1 | | | | | 2 | | | | X | | | 1 | | | | | 18 1.3 |
| Trachea | | + | + | + | + | 50 |
| SPECIAL SENSES SYSTEM | | | | | | |
| Eye | | + | + | + | + | 50 |
| Cataract | | | 3 | 1 3.0 | | | | |
| Retina, Atrophy | | | 1 3.0 | | | | |
| Harderian Gland | | + | + | + | + | 50 |
| Inflammation | | | 2 | 3 1.3 | | | | |
| URINARY SYSTEM | | | | | | |
| Kidney | | + | + | + | + | 49 |
| Cyst | | 1 | | 1 1.0 | | | | |
| Infarct | | | 1 2.0 | | | | |
| Inflammation | | 1 | | | | | | | | | | | | | | | | | | | | 1 | 7 1.4 | | | | |
| Nephropathy | | 1 | | | | | | | | | | | | | | | | | | | | 1 1 2 | 16 1.1 | | | | |

2) Mild 4) Marked

Experiment Number: 20203 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Green tea extract
CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
Time Report Requested: 07:54:40
First Dose M/F: 07/18/07 / 07/19/07
Lab: BAT

| WISTAR HAN RATS FEMALE | DAY ON TEST |
|------------------------|-------------------|
| | 0 | 0 |
| 300 mg/kg | 2 | 7 | 7 | 2 | 5 | 7 | 5 | 7 | 6 | 7 | 4 | 6 | 6 | 5 | 0 | 1 | 7 | 7 | 7 | 3 | 2 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 1 | 0 | 3 | 3 | 2 | 9 | 3 | 6 | 3 | 7 | 4 | 0 | 0 | 3 | 3 | 0 | 2 | 2 | 2 | 2 | 3 | 2 |
| ANIMAL ID | 9 | 0 | 0 | 6 | 6 | 0 | 0 | 9 | 8 | 0 | 7 | 2 | 5 | 1 | 9 | 8 | 0 | 0 | 0 | 8 | 9 | 9 | 9 | 0 | 9 |
| | 0 | 0 |
| | 0 | 0 |
| | 3 | 3 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 | 5 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| | females (cont...) | |

ALIMENTARY SYSTEM

| | |
|--|---|
| Esophagus | + |
| Intestine Large, Cecum
Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon
Hyperplasia, Lymphoid
Parasite Metazoan | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum
Inflammation | + |
| Intestine Small, Duodenum
Mucosa, Necrosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Intestine Small, Ileum
Serosa, Hemorrhage
Serosa, Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | M | + | + | + | + | + | + | + | + |
| Intestine Small, Jejunum
Mucosa, Necrosis | + | + | + | A | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Liver | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + |
| Basophilic Focus | | X | X | | | X | X | X | X | X | X | X | X | | | | X | X | | X | X | X | X | X |
| Clear Cell Focus | | | X | | | | | | | | | X | | | | | | | | X | | X | | |
| Eosinophilic Focus | |
| Hematopoietic Cell Proliferation |
| Hematopoietic Cell Proliferation, Granulocytic |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

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 Green tea extract
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 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE

300 mg/kg | DAY ON TEST | | females
(cont...) |
|---|----------------------|
| | 0
2
3
9 | 0
7
3
0 | 0
7
3
0 | 0
2
1
6 | 0
5
0
6 | 0
7
3
0 | 0
5
3
0 | 0
7
2
9 | 0
6
9
8 | 0
7
3
0 | 0
4
6
7 | 0
6
3
2 | 0
6
7
5 | 0
5
4
1 | 0
0
0
9 | 0
1
0
8 | 0
7
3
0 | 0
7
3
0 | 0
7
0
0 | 0
3
2
8 | 0
7
2
9 | 0
7
2
9 | 0
7
2
9 | 0
7
3
0 | 0
7
2
9 | |
| ANIMAL ID | 0
0
3
3
1 | 0
0
3
3
2 | 0
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3
3
3 | 0
0
3
3
4 | 0
0
3
3
5 | 0
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6 | 0
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7 | 0
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8 | 0
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9 | 0
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5 | 0
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7 | 0
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8 | 0
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9 | 0
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3
1 | 0
0
3
3
2 | 0
0
3
3
3 | 0
0
3
3
4 | 0
0
3
3
5 | |
| Hepatodiaphragmatic Nodule | | | X | |
| Inflammation | | | | | | | | 1 | | | | | | | | | | | | | | | | | | |
| Mixed Cell Focus | X | | | | | | |
| Necrosis | | | | 4 | | | | | | | | | 2 | | | | | | | | | | | | | |
| Pigmentation | | | | 3 | |
| Vacuolization Cytoplasmic, Focal | | | X | | | | | | | | X | | | | | | X | X | | | | | | | | |
| Bile Duct, Concretion | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| Bile Duct, Cyst | 2 | |
| Bile Duct, Dilatation | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| Bile Duct, Hyperplasia | | 1 | | 1 | 1 | 2 | | 1 | | | | | | 1 | | | | | | | | | | 1 | 1 | |
| Oval Cell, Hyperplasia | | | | 1 | |
| Serosa, Fibrosis | | | | | | | 1 | | | | | | | | | | | | | | | | | | | |
| Serosa, Inflammation | | | | 3 | |
| Mesentery | | | | | | | | | + | | | | | + | | | | | | | | | | | | |
| Degeneration, Cystic | | | | | | | | | | | | | | 2 | | | | | | | | | | | | |
| Pancreas | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | |
| Inflammation | | | | | 1 | | 1 | | | | | | | | | | | | | | | | | | | |
| Lipomatosis | |
| Acinus, Atrophy | 2 | |
| Salivary Glands | + | |
| Stomach, Forestomach | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | |
| Mineralization | | | | | | | | | | | | 1 | | | | | | | | | | | | | | |
| Ulcer | |
| Epithelium, Hyperplasia | |
| Stomach, Glandular | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | |
| Inflammation | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

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 Green tea extract
 CAS Number: GREENTEAEXTR

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 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE | DAY ON TEST | |
|------------------------|
| | 0
2
3
9 | 0
7
3
0 | 0
7
3
0 | 0
2
1
6 | 0
5
0
6 | 0
7
3
0 | 0
5
3
0 | 0
7
2
9 | 0
6
3
8 | 0
7
3
0 | 0
4
6
7 | 0
6
3
2 | 0
6
7
5 | 0
5
4
1 | 0
0
0
9 | 0
1
0
8 | 0
7
3
0 | 0
7
3
0 | 0
7
0
0 | 0
3
2
8 | 0
7
2
9 | 0
7
2
9 | 0
7
2
9 | 0
7
3
0 | 0
7
2
9 |
| 300 mg/kg | 0
0
3
3
1 | 0
0
3
3
2 | 0
0
3
3
3 | 0
0
3
3
4 | 0
0
3
3
5 | 0
0
3
3
6 | 0
0
3
3
7 | 0
0
3
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8 | 0
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3
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9 | 0
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1 | 0
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2 | 0
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3
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3 | 0
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4 | 0
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5 | 0
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6 | 0
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3
3
7 | 0
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3
3
8 | 0
0
3
3
9 | 0
0
3
3
0 | 0
0
3
3
1 | 0
0
3
3
2 | 0
0
3
3
3 | 0
0
3
3
4 | 0
0
3
3
5 |
| ANIMAL ID | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |

females
(cont...)

Mineralization 2
 Epithelium, Hyperplasia 2
 Mucosa, Necrosis 1 2 1 1

CARDIOVASCULAR SYSTEM

Blood Vessel +
 Adventitia, Aorta, Inflammation 2
 Heart +
 Cardiomyopathy 2 2 1 1 1 2 2 1 1 1
 Inflammation 2
 Epicardium, Inflammation 3

ENDOCRINE SYSTEM

Adrenal Cortex + + + + + + + + + + + + + + M + + + + + + + +
 Angiectasis 2
 Atrophy 3
 Hemorrhage 3 2 2 1 1 2 1 2 2 2 1 1 3
 Hyperplasia 3 2 2 1 1 2 2 2 2 2 1 1 3
 Hypertrophy 2
 Mineralization 2
 Adrenal Medulla + + + + + + + + + + + + + + M + + + + + + + +
 Islets, Pancreatic + + + + + + + + + + + + + + M + + + + + + + +
 Parathyroid Gland M +
 Pituitary Gland +

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue
 X .. Lesion present A .. Autolysis precludes evaluation
 I .. Insufficient tissue BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
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 Lab: BAT

| WISTAR HAN RATS FEMALE

300 mg/kg | DAY ON TEST | 0
2
3
9 | 0
7
3
0 | 0
7
3
0 | 0
2
1
6 | 0
5
0
6 | 0
7
3
0 | 0
5
3
0 | 0
7
2
9 | 0
6
3
8 | 0
7
3
0 | 0
4
6
7 | 0
6
3
2 | 0
6
7
5 | 0
5
4
1 | 0
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9 | 0
1
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8 | 0
7
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0 | 0
3
2
8 | 0
7
2
9 | 0
7
2
9 | 0
7
2
9 | 0
7
2
9 | 0
7
3
0 | 0
7
2
9 | females
(cont...) |
|---|-------------|------------------|----------------------|
| | ANIMAL ID | 0
0
3
3
1 | 0
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8 | 0
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9 | 0
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7 | 0
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8 | 0
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9 | 0
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1 | 0
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3
3
2 | 0
0
3
3
3 | 0
0
3
3
4 | 0
0
3
3
5 | | |
| | | | |
| Pars Distalis, Hyperplasia | | | | 3 | | | 1 | | | 4 | | 3 | 4 | | | | | 4 | 3 | | | 4 | | 1 | 2 | | | |
| Thyroid Gland | | + | + |
| C-cell, Hyperplasia | | | 1 | 1 | | | 1 | | | | | | | | | | | | | | | 1 | | | | | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | |
|--|---|
| Clitoral Gland
Duct, Cyst | + |
| Ovary
Cyst
Inflammation | + | + | + | + | + | 2 | + | + | 1 | + | 3 | + | 2 | + | M | + | + | + | + | + | + | 2 | + | 3 | + | + | + |
| Uterus
Inflammation
Endometrium, Hyperplasia, Cystic | + | + | + | + | + | 1 | + | + | 1 | 2 | 4 | 2 | 2 | 4 | + | M | + | + | + | + | + | 3 | 2 | + | 3 | + | + |

HEMATOPOIETIC SYSTEM

| | |
|--|---|
| Bone Marrow
Hyperplasia | + |
| Lymph Node
Bronchial, Inflammation
Iliac, Hyperplasia, Lymphoid
Mediastinal, Degeneration, Cystic | 3 | | | 1 | 3 | | | | 3 | | 2 | 1 | | 2 | | | | | | | 3 | 3 | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| WISTAR HAN RATS FEMALE | DAY ON TEST | | 0 | females
(cont...) | | | | | | |
|--|-------------|--|----------------------|---|--|--|--|--|--|
| | | | 2 | 7 | 7 | 2 | 5 | 7 | 5 | 7 | 6 | 7 | 4 | 6 | 5 | 0 | 1 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | | | | | | | |
| | | | 3 | 3 | 3 | 1 | 0 | 3 | 3 | 2 | 9 | 3 | 6 | 3 | 7 | 4 | 0 | 0 | 3 | 3 | 0 | 2 | 2 | 2 | 2 | 3 | | 2 | | | | | |
| | | | 9 | 0 | 0 | 6 | 6 | 0 | 0 | 9 | 8 | 0 | 7 | 2 | 5 | 1 | 9 | 8 | 0 | 0 | 0 | 8 | 9 | 0 | 0 | 0 | | 9 | | | | | |
| 300 mg/kg | ANIMAL ID | | 0 | | | | | | | |
| | | | 3 | | | | | | | |
| | | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | | | | | | |
| Mediastinal, Hyperplasia, Plasma Cell | | | 3 | | | | | | | |
| Mediastinal, Pigmentation, Hemosiderin | | | 1 | | | | | | | |
| Renal, Inflammation | | | | | | | | | | | | | 3 | | | | | | | | | | | | | | | | | | | | |
| Lymph Node, Mandibular Atrophy | | | + | | | | | | | |
| Degeneration, Cystic | | | | | | | | | | | | | 1 | | | | | 2 | | | | | | | | | | | | | | | |
| Hyperplasia, Plasma Cell | | | | | | | | | | | | | | | | | | 2 | | | | | 2 | | | | | | | | | | |
| Lymph Node, Mesenteric | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | | | | | | | |
| Hyperplasia, Plasma Cell | | | 2 | | | | | | | |
| Spleen | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | | | | | | | |
| Depletion Lymphoid | | | 1 | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | | | |
| Hematopoietic Cell Proliferation | | | 4 | | | | | | | | | | 4 | | | | | 3 | | | | | | | | | | 3 | | | | | |
| Hyperplasia, Lymphoid | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | 2 | | | | | |
| Inflammation | | | 2 | | | | | | | |
| Thymus | | | + | | | | | | | |
| INTEGUMENTARY SYSTEM | | | | | | | | | |
| Mammary Gland | | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | | | | | | | |
| Hyperplasia | | | 4 | | | | | | | | | | |
| Skin | | | + | | | | | | | |
| Ulcer | | | | | | | | | |
| MUSCULOSKELETAL SYSTEM | | | | | | | | | |
| Bone | | | + | | | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE | DAY ON TEST | |
|------------------------|-------------|
| | 0 | 0 |
| 300 mg/kg | 2 | 7 | 7 | 2 | 5 | 7 | 5 | 7 | 6 | 7 | 4 | 6 | 6 | 5 | 0 | 1 | 7 | 7 | 7 | 3 | 7 | 7 | 7 | 7 | 7 |
| | 3 | 3 | 3 | 1 | 0 | 3 | 3 | 2 | 9 | 3 | 6 | 3 | 7 | 4 | 0 | 0 | 3 | 3 | 0 | 2 | 2 | 2 | 2 | 3 | 2 |
| ANIMAL ID | 9 | 0 | 0 | 6 | 6 | 0 | 0 | 9 | 8 | 0 | 7 | 2 | 5 | 1 | 9 | 8 | 0 | 0 | 0 | 8 | 9 | 9 | 9 | 0 | 9 |
| | 0 | 0 |
| | 0 | 0 |
| | 3 | 3 |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 5 | 5 | 5 | 5 | 5 |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 |
| females (cont...) | |

Skeletal Muscle +

NERVOUS SYSTEM

Brain +
 Inflammation 3

RESPIRATORY SYSTEM

Lung +
 Congestion 2
 Edema 3
 Inflammation, Suppurative 4
 Inflammation, Chronic Active 1 1 1 1
 Alveolar Epithelium, Hyperplasia 1 3 1
 Alveolus, Infiltration Cellular, Histiocyte 1 2 1 1
 Serosa, Inflammation 2 1 2 1 1

Nose +
 Foreign Body X X
 Inflammation, Suppurative 2 1 1 2 4 1 2 1 2 1
 Epithelium, Nasopharyngeal Duct, Accumulation, Hyaline Droplet
 Epithelium, Nasopharyngeal Duct, Degeneration
 Epithelium, Nasopharyngeal Duct, Hyperplasia 1 1 1
 Epithelium, Nasopharyngeal Duct, Inflammation, Suppurative 2
 Epithelium, Nasopharyngeal Duct, Necrosis 4
 Lamina Propria, Mineralization 3 2 1 2 3 1 1 1 1 1 1 1
 Lamina Propria, Pigmentation 1 2

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically M .. Missing tissue
 X .. Lesion present A .. Autolysis precludes evaluation
 I .. Insufficient tissue BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
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 Lab: BAT

| WISTAR HAN RATS FEMALE
300 mg/kg | DAY ON TEST | | females
(cont...) |
|---|----------------------|
| | 0
2
3
9 | 0
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3
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7
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9 | 0
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8 | 0
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4 | 0
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3
3
5 | |
| Nasopharyngeal Duct, Foreign Body | |
| Nasopharyngeal Duct, Inflammation, Suppurative | | 1 | | | 1 | | |
| Nasopharyngeal Duct, Mineralization | | | | | | | | | | | | | | | | | | | | 1 | | | | | | |
| Nerve, Atrophy | 1 | 2 | 2 | 1 | | 1 | 2 | 2 | 2 | 1 | 2 | 2 | 2 | 2 | | | 2 | 3 | 2 | 1 | | 2 | 3 | 3 | 3 | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | | 2 | | 2 | 2 | | 1 | 1 | 2 | | | | | | | | | | 2 | 1 | | | | |
| Olfactory Epithelium, Atrophy | 1 | 2 | 2 | 1 | 1 | 1 | 2 | 2 | | 1 | 2 | 2 | 2 | 2 | 1 | 2 | | 1 | 2 | 1 | | 2 | 3 | 1 | 1 | |
| Olfactory Epithelium, Hyperplasia, Basal Cell | | 1 | 1 | | | | 1 | | | | | | | | | | 1 | | | | | | | | 1 | |
| Olfactory Epithelium, Metaplasia, Respiratory | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 3 | 2 | 2 | 3 | 3 | 2 | | | 3 | 3 | 3 | 2 | 2 | 2 | 3 | 3 | 3 | |
| Olfactory Epithelium, Necrosis | | | | | | | | | | | | | | | | 2 | | | | | | | | | | |
| Olfactory Epithelium, Pigmentation | | 1 | | | | | 2 | | | | | | | 1 | 1 | | | | | | | | | | | |
| Olfactory Epithelium, Squamous Metaplasia | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | 1 | 2 | | | 1 | | 1 | | 1 | 1 | | | | | | | 2 | | | | 2 | | | | |
| Respiratory Epithelium, Atrophy | | 1 | | | | | | | | | | | | | | | | | | 1 | 1 | | | | | |
| Respiratory Epithelium, Hyperplasia | | | | | | | | | | | | | | 1 | | | | | | | | | | | | |
| Respiratory Epithelium, Metaplasia, Squamous | |
| Respiratory Epithelium, Necrosis | | | | | | | | 2 | | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Pigmentation | | | | | | | | | | | | | | | | | | | 2 | | | | | | | |
| Turbinate, Deformity | X | X | X | | | | | X | | | | X | | X | | | X | | | | | | X | X | X | |
| Turbinate, Hyperostosis | | 2 | 1 | | | | 2 | | 1 | | 1 | 2 | 2 | | | | 1 | 1 | 1 | | | 2 | 3 | 3 | 1 | |
| Trachea | + | |

SPECIAL SENSES SYSTEM

| | |
|--|---|
| Eye | + |
| Cataract |
| Anterior Chamber, Posterior Chamber, Exudate | |
| Cornea, Inflammation |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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 2) Mild 4) Marked

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 Lab: BAT

| WISTAR HAN RATS FEMALE

300 mg/kg | | DAY ON TEST | | | | | * TOTALS | |
|---|--|-----------------------|--------|-------|----|----------|--|
| | | 0
2
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0 | 0
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8 | 0
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6 | 0
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9 | 0
7
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6 | 0
7
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0 | 0
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9 | 0
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3
8
0 | | | | | |
| Hepatodiaphragmatic Nodule | | | | | | 1 | |
| Inflammation | | 1 | | | | | | 1 | | 2 | | | | | | | | | | | | | | | | | 4 1.3 | | | |
| Mixed Cell Focus | | | | | | 1 | |
| Necrosis | | | | 2 | | | | 1 | | | | 4 | | | | | | | | | | | | | | | 5 2.6 | | | |
| Pigmentation | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | 2 3.5 | | | |
| Vacuolization Cytoplasmic, Focal | | | | | | 4 | |
| Bile Duct, Concretion | | | | | | 1 1.0 | |
| Bile Duct, Cyst | | | | | | 2 2.5 | |
| Bile Duct, Dilatation | | | | | | 1 2.0 | |
| Bile Duct, Hyperplasia | | | | 2 | | | | 1 | | | | 1 | | | | 2 | | | | 1 | | | | | | 13 1.2 | | | | |
| Oval Cell, Hyperplasia | | | | 2 | | | | 2 | | | | | | | | | | | | | | | | | 3 1.7 | | | | | |
| Serosa, Fibrosis | | | | | | 1 1.0 | |
| Serosa, Inflammation | | | | | | 1 3.0 | |
| Mesentery | | | | + | | | | 3 | |
| Degeneration, Cystic | | | | | | 1 2.0 | |
| Pancreas | | + | | + | | + | | + | | + | | + | | + | | + | | + | | + | | + | | + | | + | | 48 | | |
| Inflammation | | | | | | 2 1.0 | |
| Lipomatosis | | | | | | 1 2.0 | |
| Acinus, Atrophy | | | | | | 2 1.5 | |
| Salivary Glands | | + | | + | | + | | + | | + | | + | | + | | + | | + | | + | | + | | + | | + | | 50 | | |
| Stomach, Forestomach | | + | | + | | + | | + | | + | | + | | + | | + | | + | | + | | + | | + | | + | | 49 | | |
| Mineralization | | | | | | 1 1.0 | |
| Ulcer | | | | | | 2 2.5 | |
| Epithelium, Hyperplasia | | | | | | 1 3.0 | |
| Stomach, Glandular | | + | | + | | + | | + | | + | | + | | + | | + | | + | | + | | + | | + | | + | | 49 | | |
| Inflammation | | | | | | 1 1.0 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

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Experiment Number: 20203 - 03
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 Lab: BAT

| WISTAR HAN RATS FEMALE

300 mg/kg | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | |
|---|--|-----------------------|----------|-----|-----------------------|-----------------------|-----------------------|-----------------------|
| | | 0
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9 |
| Mineralization | | 1 | | | | | | | | | | | | | | | | | | | | 2 | 1.5 | | | | |
| Epithelium, Hyperplasia | | 2 | | | | | | | | | | | | | | | | | | | | 2 | 2.0 | | | | |
| Mucosa, Necrosis | | 1 | | | | | | | | | | | | | | | | | | | | 7 | 1.1 | | | | |

CARDIOVASCULAR SYSTEM

| | | |
|---------------------------------|----|-----|
| Blood Vessel | + | 50 | |
| Adventitia, Aorta, Inflammation | | | | | | | 2 | | | | | | | | | | | | | | | | | | | 2 | 2.0 |
| Heart | + | 50 | |
| Cardiomyopathy | | | | 1 | | 2 | | | 2 | | | 2 | | | 1 | | | | 1 | | | | | 1 | | 18 | 1.4 |
| Inflammation | 1 | 2.0 |
| Epicardium, Inflammation | | | | | | | 1 | | | | | | | | | | | | | | | | | | | 2 | 2.0 |

ENDOCRINE SYSTEM

| | | |
|--------------------|----|--------|
| Adrenal Cortex | + | 49 | |
| Angiectasis | 4 | | | 2 3.0 |
| Atrophy | | 1 3.0 |
| Hemorrhage | | | | 3 | | 1 3.0 |
| Hyperplasia | | | | | 2 | | 3 | | 2 | | 2 | 1 | 1 | 2 | | 2 | | 2 | 2 | 1 | 2 | 1 | | 3 | | | 27 1.8 |
| Hypertrophy | | | | | | 1 | 2 | | | 2 | | | 1 | | | | | | 2 | | 1 | | | | | | 10 1.6 |
| Mineralization | | 1 2.0 |
| Adrenal Medulla | + | 49 | |
| Islets, Pancreatic | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Parathyroid Gland | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | 48 | |
| Pituitary Gland | + | 50 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Lab: BAT[illegible]

NONE

| | | | | |
|----------------------------------|----|----|-----|-----|
| Clitoral Gland | + | 50 | | | |
| Duct, Cyst | 3 | | 1 | 3.0 | |
| Ovary | + | 49 | | | |
| Cyst | 3 | | | | | 3 | | | | | | | | | | | | | | | | | | | 3 | 4 | 10 | 2.6 | |
| Inflammation | 4 | | 3 | 2.3 | |
| Uterus | + | 49 | | | |
| Inflammation | | 2 | 2.0 | |
| Endometrium, Hyperplasia, Cystic | | | | | | 1 | | 2 | | | | | | | | 4 | | | | 4 | | | | | | 1 | 1 | 15 | 2.5 |

[illegible]

2) Mild 4) Marked

Experiment Number: 20203 - 03
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| WISTAR HAN RATS FEMALE

300 mg/kg | | DAY ON TEST | | | * TOTALS | | |
|---|--|-----------------------|-----|----------|-----|-----|
| | | 0
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0 | | | | |
| | | ANIMAL ID | | | | | |
| Mediastinal, Hyperplasia, Plasma Cell | | | | 1 | 3.0 | |
| Mediastinal, Pigmentation, Hemosiderin | | | | 1 | 1.0 | |
| Renal, Inflammation | | | | 1 | 3.0 | |
| Lymph Node, Mandibular Atrophy | | + | 50 | 1 | 4.0 | | |
| Degeneration, Cystic | | | | | 5 | 1.8 |
| Hyperplasia, Plasma Cell | | | | | 3 | 2.3 |
| Lymph Node, Mesenteric Hyperplasia, Plasma Cell | | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | 1 | 2.0 | | |
| Spleen | | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | | | | |
| Depletion Lymphoid | | | | | 5 | 1.8 |
| Hematopoietic Cell Proliferation | | 2 | | | | | 4 | 3 | | | | | | | | | 2 | | | | | 3 | | | 2 | 10 | 3.0 | | | |
| Hyperplasia, Lymphoid | | 2 | | | | | 2 | | | | | | | | | | | | | | | | | | | | 3 | 2.0 | | |
| Inflammation | | | | | 1 | 2.0 |
| Thymus | | + | 50 | | | | |
| INTEGUMENTARY SYSTEM | | | | | | |
| Mammary Gland Hyperplasia | | + | 49 | 1 | 4.0 | | |
| Skin Ulcer | | + | 50 | 1 | 3.0 | | |
| MUSCULOSKELETAL SYSTEM | | | | | | |
| Bone | | + | 50 | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20203 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Green tea extract

CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013

Time Report Requested: 07:54:40

First Dose M/F: 07/18/07 / 07/19/07

Lab: BAT

| WISTAR HAN RATS FEMALE

300 mg/kg | | DAY ON TEST | | | | | | | | | | | | | | | | | | | | * TOTALS | | | | | | |
|---|--|-----------------------|----------|-----|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| | | 0
2
7
5 | 0
6
1
0 | 0
0
2
1 | 0
7
3
0 | 0
7
1
9 | 0
7
2
9 | 0
3
6
2 | 0
7
3
0 | 0
6
2
8 | 0
5
0
6 | 0
3
0
9 | 0
7
3
0 | 0
0
0
6 | 0
7
3
0 | 0
0
3
0 | 0
1
1
5 | 0
0
9
9 | 0
4
0
7 | 0
7
3
2 | 0
7
2
9 | | | 0
7
3
0 | 0
7
3
0 | 0
5
8
4 | 0
7
3
0 | 0
6
3
2 |
| | | 0
0
3
5
6 | 0
0
3
5
7 | 0
0
3
5
8 | 0
0
3
5
9 | 0
0
3
6
0 | 0
0
3
6
1 | 0
0
3
6
2 | 0
0
3
6
3 | 0
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3
6
4 | 0
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3
6
5 | 0
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3
6
6 | 0
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3
6
7 | 0
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8 | 0
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3
6
9 | 0
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3
7
0 | 0
0
3
7
1 | 0
0
3
7
2 | 0
0
3
7
3 | 0
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4 | 0
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5 | | | 0
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7
6 | 0
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3
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7 | 0
0
3
7
8 | 0
0
3
7
9 | 0
0
3
8
0 |
| ANIMAL ID | | | | | | | | | |
| Nasopharyngeal Duct, Foreign Body | | | 1 | | | | | | |
| Nasopharyngeal Duct, Inflammation, Suppurative | | | 5 | 1.2 | | | | | |
| Nasopharyngeal Duct, Mineralization | | | 1 | 1.0 | | | | | |
| Nerve, Atrophy | | 1 | 2 | | 2 | 2 | 2 | 2 | 2 | | 2 | | 2 | 2 | | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 2 | | 41 | 2.1 | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | | | | 1 | | 1 | 1 | | 1 | 2 | | 1 | | 1 | 2 | 2 | | | | | | | | | 17 | 1.5 |
| Olfactory Epithelium, Atrophy | | 1 | 2 | | 2 | 2 | 2 | 2 | | 2 | 1 | | 2 | 2 | | 2 | 2 | 1 | 1 | 1 | 3 | 1 | 2 | 2 | | 42 | 1.7 | |
| Olfactory Epithelium, Hyperplasia, Basal Cell | | | | | | | | 1 | | | | | | | | | | 2 | | 1 | | | | | | 8 | 1.1 | |
| Olfactory Epithelium, Metaplasia, Respiratory | | 3 | 3 | | 3 | 3 | 2 | | 2 | 2 | 3 | | 3 | | 3 | 3 | | 3 | 3 | 3 | 3 | 3 | 3 | 2 | | 43 | 2.7 | |
| Olfactory Epithelium, Necrosis | | | | | | | 1 | 2.0 | |
| Olfactory Epithelium, Pigmentation | | | | | | 1 | 2 | | | | | | | | | | | | | | | | | 1 | | 7 | 1.3 | |
| Olfactory Epithelium, Squamous Metaplasia | | | | | | | 1 | 1.0 | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | 1 | 2 | | | | | 2 | | | 1 | 4 | | 2 | 2 | | 1 | 2 | 1 | | | | 2 | | | 19 | 1.6 | |
| Respiratory Epithelium, Atrophy | | | | | 2 | 2 | 2 | | | | | | | | | | | | | 1 | 2 | | 3 | | | 9 | 1.7 | |
| Respiratory Epithelium, Hyperplasia | | | | | | | | | | | | | 1 | | | | | | | | | | | | | 2 | 1.0 | |
| Respiratory Epithelium, Metaplasia, Squamous | | | | | | | | | | | | | | | 1 | | | | | | | | | | | 1 | 1.0 | |
| Respiratory Epithelium, Necrosis | | | | | | | | | | | | | | 1 | | | | | | | | | | | | 2 | 1.5 | |
| Respiratory Epithelium, Pigmentation | | | 1 | | | 1 | | 1 | | | | | | | | | | | | | | 1 | | | | 5 | 1.2 | |
| Turbinate, Deformity | | | | | X | X | X | | | X | | | | X | X | | | X | X | | X | X | | | | 20 | | |
| Turbinate, Hyperostosis | | | | | 1 | 2 | 2 | 1 | 1 | | 1 | | 2 | | 1 | 2 | | 2 | 1 | 2 | 2 | 2 | 3 | 2 | 2 | 2 | 32 | 1.7 |
| Trachea | | + | + | + | + | + | 50 | | |

SPECIAL SENSES SYSTEM

| | |
|--|-------|
| Eye | + | 50 |
| Cataract | 3 | 1 3.0 |
| Anterior Chamber, Posterior Chamber, Exudate | | 4 | 1 4.0 |
| Cornea, Inflammation | 4 | 1 4.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE

300 mg/kg | DAY ON TEST | 0
2
7
5 | 0
6
1
0 | 0
0
2
1 | 0
7
3
0 | 0
7
1
9 | 0
7
2
9 | 0
3
6
2 | 0
7
3
0 | 0
6
2
8 | 0
5
0
6 | 0
3
0
9 | 0
7
0
0 | 0
7
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6 | 0
7
3
5 | 0
0
9
9 | 0
4
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7 | 0
7
3
0 | 0
7
2
9 | 0
7
2
9 | 0
7
3
0 | 0
7
3
0 | 0
5
8
4 | 0
7
3
0 | 0
6
3
2 | * TOTALS | | |
|---|-------------------------------|----------|---|-----|
| | ANIMAL ID | 0
0
3
5
6 | 0
0
3
5
7 | 0
0
3
5
8 | 0
0
3
5
9 | 0
0
3
6
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3
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1 | 0
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3
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2 | 0
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3 | 0
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4 | 0
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3
6
5 | 0
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3
6
6 | 0
0
3
6
7 | 0
0
3
6
8 | 0
0
3
7
9 | 0
0
3
7
0 | 0
0
3
7
1 | 0
0
3
7
2 | 0
0
3
7
3 | 0
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3
7
4 | 0
0
3
7
5 | 0
0
3
7
6 | 0
0
3
7
7 | 0
0
3
7
8 | 0
0
3
7
9 | | | |
| | Posterior Chamber, Hemorrhage | 1 | | 1 | 1.0 |
| | Retina, Dysplasia | 2 | | 1 | 2.0 |
| Harderian Gland
Hyperplasia | + | + | 50 | 1 | 3.0 |
| Zymbal's Gland | + | 1 | | | |

URINARY SYSTEM

| | | | |
|--------------------------------------|----|-----|-----|
| Kidney | + | 49 | | |
| Atrophy | | | | | | | | 4 | | | | | | | | | | | | | | | | | | | | 1 | 4.0 |
| Cyst | | | | | | 1 | | 2 | 1.5 |
| Hydronephrosis | | | 2 | | | | | 3 | | | | | | | | | | | | | | | | | | | | 2 | 2.5 |
| Inflammation | | | 3 | | | | | | | | | 1 | | | | | | | | | | | | | | | | 5 | 1.8 |
| Nephropathy | 1 | | | | | 1 | | | | | | 1 | | | | | | 1 | 1 | | 1 | | | | | | 17 | 1.1 | |
| Papilla, Necrosis | | | 3 | | 1 | 3.0 |
| Transitional Epithelium, Hyperplasia | | | | 1 | | 6 | 1.7 |
| Urinary Bladder | + | 49 | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
Test Type: CHRONIC
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Green tea extract
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Time Report Requested: 07:54:40
First Dose M/F: 07/18/07 / 07/19/07
Lab: BAT

| WISTAR HAN RATS FEMALE
1000 mg/kg | DAY ON TEST | |
|---------------------------------------|-------------|
| | 0099 | 0054 | 0044 | 0071 | 0017 | 0001 | 0009 | 0001 | 0003 | 0005 | 0007 | 0009 | 0011 | 0013 | 0015 | 0017 | 0019 | 0021 | 0023 | 0025 | 0027 | 0029 | 0031 | 0033 | 0035 | 0037 | 0039 | 0041 |
| ANIMAL ID | 00381 | 00038 |
| Mixed Cell Focus | |
| Necrosis | 3 | | 2 | | | | | | | | | 4 | 4 | | 3 | | | | | | | | | | | 4 | 3 | |
| Pigmentation | 1 | | | | | | | | | | | | 4 | | | | | | | | | | | | | | | |
| Vacuolization Cytoplasmic, Focal | |
| Bile Duct, Hyperplasia | 2 | | | | | | | | | | | | 2 | | | | | | 1 | | 3 | | 2 | | 1 | 1 | | |
| Hepatocyte, Hyperplasia, Regenerative | | | | | | | | | | | | 3 | | | | | | | | | 4 | | | | | | | |
| Hepatocyte, Hypertrophy | |
| Oval Cell, Hyperplasia | 1 | | | | | | | | | | | 1 | 2 | | | | | | | | 2 | | 1 | | 1 | | | |
| Mesentery | |
| Pancreas | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Acinus, Atrophy | |
| Salivary Glands | + | + | M | + | M | + | + | | |
| Stomach, Forestomach | + | + | + | + | A | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Erosion | |
| Inflammation | |
| Mineralization | |
| Ulcer | |
| Epithelium, Hyperplasia | |
| Stomach, Glandular | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation | |
| Mineralization | |
| Glands, Hyperplasia | |
| Mucosa, Necrosis | 2 | | | 1 | | | | | 2 | | | 1 | 1 | | | 3 | | | | | 3 | 2 | | | | | 3 | |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Lab: BAT

| | | | |
|-------------|--|----------------------|----------------------|
| DAY ON TEST | | 0099 | 0544 | 0446 | 0714 | 0173 | 0015 | 0002 | 0005 | 0037 | 0027 | 0063 | 0034 | 0022 | 0058 | 0084 | 0002 | 0079 | 0022 | 0062 | 0076 | 0024 | 0053 | 0021 | 0060 | females
(cont...) | |
| | | 0099 | 0544 | 0446 | 0714 | 0173 | 0015 | 0002 | 0005 | 0037 | 0027 | 0063 | 0034 | 0022 | 0058 | 0084 | 0002 | 0079 | 0022 | 0062 | 0076 | 0024 | 0053 | 0021 | 0060 | | |
| ANIMAL ID | | 00381 | 00038 | | females
(cont...) |
| | | 00381 | 00038 | | |
| 1000 mg/kg | | | |

[illegible]

ENDOCRINE SYSTEM

[illegible]

2) Mild 4) Marked

| | | | |
|--|-------------|-------------------------------------|----------------------|
| WISTAR HAN RATS FEMALE

1000 mg/kg | DAY ON TEST | 0099 | 0544 | 0446 | 0714 | 0173 | 0015 | 0002 | 0001 | 0003 | 0057 | 0023 | 0063 | 0030 | 0058 | 0008 | 0009 | 0072 | 0009 | 0062 | 0022 | 0044 | 0053 | 0021 | 0061 | females
(cont...) |
| | ANIMAL ID | 00381 | 00038 | 00088 | 00088 | 00088 | 00088 | 00088 | 00088 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | |
| | | 12345678901234567890123456789012345 | |
| | | | |

| |
|--------------------------------------|
| Thyroid Gland
C-cell, Hyperplasia | + | + | M | + | M | + |
|--------------------------------------|

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | |
|--|---|
| Clitoral Gland
Inflammation | + | + | + | + | M | + | + | + | M | + | + | + | + | 2 | + | + | + | + | + | 1 | + | + | + | + | + | + |
| Ovary
Cyst
Inflammation | + | + | + | + | M | + | + | + | M | + | + | + | + | 3 | + | M | + | + | + | + | + | + | + | + | + | + |
| | | 4 | | | | | | | | | | | 2 | | | | | | | 4 | | | | | | |
| Uterus
Congestion
Infiltration Cellular, Plasma Cell
Inflammation
Endometrium, Hyperplasia, Cystic | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| | |
| | | 4 | |
| | | 4 | |
| | | | | | | | | | | 2 | | | | | 2 | | | | | | | | 2 | | | |

HEMATOPOIETIC SYSTEM

| | |
|--|---|
| Bone Marrow
Hyperplasia | + |
| | | 4 | | | | | | | | 2 | | 1 | | | | | | | | 2 | | | | | |
| Lymph Node
Bronchial, Hyperplasia, Plasma Cell
Lumbar, Hyperplasia, Lymphoid
Mediastinal, Infiltration Cellular, Histiocyte | + | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| WISTAR HAN RATS FEMALE

1000 mg/kg | | DAY ON TEST | | | | females
(cont...) |
|---|--|-------------|--|--|----------------------|
| | | | | | |
| | | | | | |
| ANIMAL ID | | 0099 | 0044 | 0044 | 0074 | 0017 | 0001 | 0009 | 0001 | 0000 | 0053 | 0021 | 0060 | 0033 | 0009 | 0058 | 0008 | 0009 | 0072 | 0009 | 0062 | 0022 | 0044 | 0053 | 0021 | 0001 | 0006 | | | |
| | | 00381 | 00382 | 00383 | 00384 | 00385 | 00386 | 00387 | 00388 | 00389 | 00390 | 00391 | 00392 | 00393 | 00394 | 00395 | 00396 | 00397 | 00398 | 00399 | 00400 | 00401 | 00402 | 00403 | 00404 | 00405 | 00406 | | | |
| Mediastinal, Pigmentation, Hemosiderin
Renal, Hyperplasia, Plasma Cell | | 3 | | | |
| Lymph Node, Mandibular
Atrophy
Congestion
Degeneration, Cystic
Hyperplasia, Plasma Cell
Inflammation | | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | | | | |
| | | 2
3 | | | |
| | | 3 | | | |
| | | 2 | | | |
| | | 2 | | | |
| | | 3 | | | |
| | | 2 | | | |
| Lymph Node, Mesenteric
Atrophy
Congestion
Hyperplasia, Plasma Cell
Infiltration Cellular, Histiocyte | | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | | | | |
| Spleen
Depletion Lymphoid
Hematopoietic Cell Proliferation
Hyperplasia, Lymphoid | | + | + | + | + | M | + | + | + | M | + | A | + | + | + | + | M | + | + | + | + | + | + | + | + | + | | | | |
| | | 1 | | | |
| | | 3 | | | |
| | | 2 | | | |
| Thymus
Cyst
Hemorrhage | | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | | | | |
| | | 3 | | | |
| INTEGUMENTARY SYSTEM | | | | | |
| Mammary Gland
Duct, Dilatation | | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | | | | |
| Skin | | + | + | | | | |
| * .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade | | | | | |
| + .. Tissue examined microscopically | | | | | |
| X .. Lesion present | | | | | |
| I .. Insufficient tissue | | | | | |
| M .. Missing tissue | | | | | |
| A .. Autolysis precludes evaluation | | | | | |
| BLANK .. Not examined microscopically | | | | | |
| 1-4 .. Lesion qualified as: | | | | | |
| 1) Minimal 3) Moderate | | | | | |
| 2) Mild 4) Marked | | | | | |

Lab: BAT[illegible]

Hyperplasia
Inflammation

MUSCULOSKELETAL SYSTEM

Bone

Skeletal Muscle

NERVOUS SYSTEM

Brain

Inflammation

RESPIRATORY SYSTEM

Lung

Congestion

Edema

Hemorrhage

Inflammation, Suppurative

Inflammation, Chronic Active

Alveolar Epithelium, Hyperplasia

Alveolus, Infiltration Cellular, Histiocyte

Nose

Foreign Body

Inflammation, Suppurative

Inflammation, Acute

Epithelium, Nasopharyngeal Duct, Degeneration

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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Experiment Number: 20203 - 03

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Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Green tea extract

CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013

Time Report Requested: 07:54:40

First Dose M/F: 07/18/07 / 07/19/07

Lab: BAT

| DAY ON TEST | | 0
0
9
9 | 0
5
4
4 | 0
4
4
6 | 0
7
1
4 | 0
1
7
3 | 0
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1
5 | 0
0
9
2 | 0
0
1
5 | 0
0
3
7 | 0
2
1
3 | 0
6
0
3 | 0
3
3
4 | 0
0
8
2 | 0
5
8
4 | 0
0
8
4 | 0
0
9
2 | 0
7
2
9 | 0
0
9
2 | 0
6
2
7 | 0
2
2
6 | 0
4
4
3 | 0
5
3
0 | 0
2
1
1 | 0
6
1
0 | females
(cont...) | |
|---|--|----------------------|--|
| ANIMAL ID | | 0
0
3
8
1 | 0
0
3
8
2 | 0
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8
3 | 0
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4 | 0
0
3
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5 | 0
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7 | 0
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8 | 0
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9 | 0
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2 | 0
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4
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3 | 0
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4
0
4 | 0
0
4
0
5 | | |
| Epithelium, Nasopharyngeal Duct, Hyperplasia | | 2 | | |
| Epithelium, Nasopharyngeal Duct, Necrosis | | 4 | | |
| Epithelium, Nasopharyngeal Duct, Regeneration | | 3 | | |
| Lamina Propria, Mineralization | | 2 | | |
| Lamina Propria, Pigmentation | | 1 | | |
| Nasopharyngeal Duct, Foreign Body | | X | | |
| Nasopharyngeal Duct, Inflammation, Suppurative | | 3 | | |
| Nasopharyngeal Duct, Inflammation, Acute | | 2 | | |
| Nerve, Atrophy | | 1 | | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | 1 | | |
| Olfactory Epithelium, Atrophy | | 2 | | |
| Olfactory Epithelium, Hyperplasia, Basal Cell | | 3 | | |
| Olfactory Epithelium, Metaplasia, Respiratory | | 4 | | |
| Olfactory Epithelium, Necrosis | | 2 | | |
| Olfactory Epithelium, Pigmentation | | 1 | | |
| Olfactory Epithelium, Regeneration | | 2 | | |
| Olfactory Epithelium, Squamous Metaplasia | | 1 | | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | 1 | | |
| Respiratory Epithelium, Atrophy | | 1 | | |
| Respiratory Epithelium, Hyperplasia | | 1 | | |
| Respiratory Epithelium, Metaplasia, Squamous | | 1 | | |
| Respiratory Epithelium, Necrosis | | 3 | | |
| Respiratory Epithelium, Pigmentation | | 1 | | |
| Respiratory Epithelium, Regeneration | | 2 | | |
| Squamous Epithelium, Hyperplasia | | 1 | | |
| Turbinate, Deformity | | X | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

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| WISTAR HAN RATS FEMALE | DAY ON TEST | |
|------------------------|-------------------|--|
| | 0497 | 0377 | 0729 | 0099 | 0537 | 0092 | 0471 | 0444 | 0656 | 0509 | 0513 | 0092 | 0408 | 0096 | 0061 | 0115 | 0092 | 0092 | 0054 | 0513 | 0599 | 0531 | 0539 | 0173 | 0161 | |
| 1000 mg/kg | 0040 | 0044 | 0040 | 0004 | 0044 | 0044 | 0044 | 0044 | 0004 | 0004 | 0044 | 0044 | 0044 | 0004 | 0004 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | 0044 | |
| ANIMAL ID | 06 | 07 | 08 | 09 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 00 | |
| | females (cont...) | | |

ALIMENTARY SYSTEM

| | |
|---|---|
| Esophagus Perforation | + |
| Intestine Large, Cecum Inflammation | + | M | M | + |
| Intestine Large, Colon Inflammation | + | M | M | + |
| Intestine Large, Rectum Parasite Metazoan Thrombosis | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + |
| Intestine Small, Duodenum Mucosa, Necrosis | + | + | + | + | A | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | A | M | M | + |
| Intestine Small, Ileum Mucosa, Necrosis | + | + | + | A | A | + | A | + | A | + | + | + | + | + | + | + | + | + | + | A | + | + | M | M | + |
| Intestine Small, Jejunum Mucosa, Necrosis | + | + | + | + | A | + | + | + | A | A | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + |
| Liver | + | M | M | + |
| Basophilic Focus | | | X | | X | | X | | X | | | | | | | X | | X | | | | | | | |
| Clear Cell Focus | | | X | |
| Eosinophilic Focus | |
| Hematopoietic Cell Proliferation, Granulocytic Inflammation | | 1 | 1 | | | | | | | | | | | 1 | | | | | | 2 | | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| WISTAR HAN RATS FEMALE | DAY ON TEST | |
|---------------------------------------|-------------|-------------------|
| | 0497 | 0377 | 0729 | 0099 | 0537 | 0092 | 0471 | 0444 | 0656 | 0509 | 0513 | 0092 | 0408 | 0006 | 0062 | 0011 | 0065 | 0002 | 0009 | 0002 | 0002 | 0054 | 0051 | 0059 | 0053 | 0051 | 0017 | 0016 | |
| 1000 mg/kg | 0040 | 0044 | 0040 | 0044 | females (cont...) |
| Mixed Cell Focus | | |
| Necrosis | 3 | 4 | | | 1 | | | 4 | | | | | | 4 | 3 | | 1 | 4 | | | 3 | 4 | 4 | | | | | 2 | |
| Pigmentation | | 3 | | | | | 3 | |
| Vacuolization Cytoplasmic, Focal | | |
| Bile Duct, Hyperplasia | 2 | 1 | | | | | | | 1 | | | | | 1 | 2 | | | 1 | | | 1 | | | | | | | 2 | |
| Hepatocyte, Hyperplasia, Regenerative | | |
| Hepatocyte, Hypertrophy | | |
| Oval Cell, Hyperplasia | 1 | 1 | 2 | | | | | | | | | | | 1 | | | 1 | 1 | | | | 1 | | | | | | 2 | |
| Mesentery | | | | | | | | | + | | | | | | | | | | | | | + | | | | | | | |
| Pancreas | + | + | M | M | + | |
| Acinus, Atrophy | | |
| Salivary Glands | + | + | M | M | + | + | + | + | + | |
| Stomach, Forestomach | + | + | M | M | + | |
| Erosion | | |
| Inflammation | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Mineralization | | |
| Ulcer | | |
| Epithelium, Hyperplasia | | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | |
| Stomach, Glandular | + | + | M | M | + | |
| Inflammation | | | | | | | | | | | | 1 | | | | | | | | | | | | | | | | | |
| Mineralization | | |
| Glands, Hyperplasia | | |
| Mucosa, Necrosis | 3 | 1 | | 1 | | | 2 | 1 | | | | | | 1 | | | 3 | | | | 1 | 3 | 2 | | | | | | |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Lab: BAT

| | | | |
|------------------------|--|----------------------|----------------------|
| DAY ON TEST | | 0497 | 0379 | 0029 | 0053 | 0097 | 0041 | 0044 | 0065 | 0059 | 0053 | 0042 | 0048 | 0006 | 0002 | 0061 | 0016 | 0009 | 0002 | 0054 | 0053 | 0091 | 0053 | 0017 | 0013 | females
(cont...) | |
| | | 0004 | 0004 | 0004 | 0004 | 0001 | 0001 | 0001 | 0004 | 0004 | 0004 | 0001 | 0001 | 0004 | 0004 | 0004 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | 0002 | | 0003 |
| ANIMAL ID | | 0004 | | females
(cont...) |
| | | 0006 | 0007 | 0008 | 0009 | 0000 | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0000 | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | | |
| WISTAR HAN RATS FEMALE | | | females
(cont...) | |
| 1000 mg/kg | | | |

| |
|--------------------------|
| Blood Vessel | + | M | + |
| Heart | + | M | + |
| Cardiomyopathy | 1 | | | | | | | 1 | 1 | 1 | | | | | | 1 | | | | | | 1 | 1 | |
| Inflammation | 1 | |
| Mineralization | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| Endocardium, Fibrosis | 2 | | | | |
| Endocardium, Hyperplasia | |
| Epicardium, Inflammation | 1 | | | | | | | | | 2 | | | | | | 1 | | | | | | | | 2 |

[illegible]

2) Mild 4) Marked

| | | |
|--|-------------|----------------------|
| WISTAR HAN RATS FEMALE

1000 mg/kg | DAY ON TEST | 0497 | 0373 | 0729 | 0099 | 0537 | 0092 | 0471 | 0446 | 0650 | 0513 | 0092 | 0408 | 0096 | 0615 | 0092 | 0092 | 0054 | 0513 | 0591 | 0537 | 0173 | 0161 | females
(cont...) |
| | ANIMAL ID | 0040 | 0044 | |
| | | 0006 | 0007 | 0008 | 0009 | 0010 | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0021 | 0022 | 0023 | 0024 | 0025 | 0026 | 0027 | |

| |
|---------------------|
| Thyroid Gland | + | M | + | + | + | + |
| C-cell, Hyperplasia | | | 1 | | | | | | | | | | | | 1 | | | | | | | | | | |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| |
|------------------------------------|
| Clitoral Gland | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + |
| Inflammation |
| Ovary | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + |
| Cyst | | | 3 | | 2 | | | | | | | | | | | | | | | | | 4 | | | |
| Inflammation | | | | | 2 | |
| Uterus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + |
| Congestion | 2 | |
| Infiltration Cellular, Plasma Cell | |
| Inflammation | | | | | | 1 | | | | | | | | | 4 | | | | | | | | | | |
| Endometrium, Hyperplasia, Cystic | | | | 2 | 1 | | | | 4 | | | | | 4 | | 3 | | | 2 | | | | | | |

HEMATOPOIETIC SYSTEM

| | |
|--|---|
| Bone Marrow | + |
| Hyperplasia | | | | | | | 3 | | 3 | 3 | 3 | | | | 3 | | | | 2 | | | | | | |
| Lymph Node | + | | | | | | | | + | | | | | | | | | | | | | | | | |
| Bronchial, Hyperplasia, Plasma Cell | 2 | |
| Lumbar, Hyperplasia, Lymphoid |
| Mediastinal, Infiltration Cellular, Histiocyte | 2 | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| WISTAR HAN RATS FEMALE

1000 mg/kg | | DAY ON TEST | | females
(cont...) |
|---|--|---|----------------------|
| | | 0497 | 0373 | 0729 | 0099 | 0537 | 0092 | 0471 | 0444 | 0656 | 0509 | 0513 | 0092 | 0486 | 0002 | 0611 | 0095 | 0092 | 0092 | 0054 | 0051 | 0059 | 0053 | 0059 | 0051 | 0053 | 0059 | 0051 | 0053 | |
| | | 0044 | 0044 | |
| | | ANIMAL ID | |
| Mediastinal, Pigmentation, Hemosiderin
Renal, Hyperplasia, Plasma Cell | | 2 | |
| Lymph Node, Mandibular
Atrophy
Congestion
Degeneration, Cystic
Hyperplasia, Plasma Cell
Inflammation | | + M M + + + +
3
4
23 | |
| Lymph Node, Mesenteric
Atrophy
Congestion
Hyperplasia, Plasma Cell
Infiltration Cellular, Histiocyte | | + M +
3
2 | |
| Spleen
Depletion Lymphoid
Hematopoietic Cell Proliferation
Hyperplasia, Lymphoid | | + M M +
121211333 | |
| Thymus
Cyst
Hemorrhage | | + + + + + + + + + + + + + + + + + + + M + + M + | |
| INTEGUMENTARY SYSTEM | | | |
| Mammary Gland
Duct, Dilatation | | +
3 | |
| Skin | | + | |
| * .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade | | | |
| + .. Tissue examined microscopically | | | |
| X .. Lesion present | | | |
| I .. Insufficient tissue | | | |
| M .. Missing tissue | | | |
| A .. Autolysis precludes evaluation | | | |
| BLANK .. Not examined microscopically | | | |
| 1-4 .. Lesion qualified as: | | | |
| 1) Minimal 3) Moderate | | | |
| 2) Mild 4) Marked | | | |

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE | DAY ON TEST | |
|---|-------------|
| | 0497 | 0373 | 0729 | 0099 | 0537 | 0092 | 0471 | 0444 | 0656 | 0509 | 0513 | 0092 | 0486 | 0002 | 0615 | 0102 | 0092 | 0092 | 0092 | 0092 | 0092 | 0092 | 0092 | 0092 | 0092 | 0092 | 0092 | 0092 |
| 1000 mg/kg | 0040 | 0044 | 0040 | 0044 |
| ANIMAL ID | 006 | 007 | 008 | 009 | 000 | 001 | 002 | 003 | 004 | 005 | 006 | 007 | 008 | 009 | 000 | 001 | 002 | 003 | 004 | 005 | 006 | 007 | 008 | 009 | 000 | 001 | 002 | 003 |
| Epithelium, Nasopharyngeal Duct, Hyperplasia | |
| Epithelium, Nasopharyngeal Duct, Necrosis | | | | | | | | 3 | | | | 3 | | | | | | | | | 4 | | | | | 3 | | |
| Epithelium, Nasopharyngeal Duct, Regeneration | | | | | | | | | | | 4 | | 3 | | | | | | | 4 | | | | | | | | |
| Lamina Propria, Mineralization | | | | 1 | | 1 | | | 3 | 3 | 1 | | | 1 | | 1 | | | | | | | | | 1 | | 1 | |
| Lamina Propria, Pigmentation | | | | | | 2 | | 3 | 1 | | | | | 1 | | | | | | 1 | | 2 | | | | | 1 | |
| Nasopharyngeal Duct, Foreign Body | | | | | | | | | | | | | | | | X | | | | | | | | | | | | |
| Nasopharyngeal Duct, Inflammation, Suppurative | 1 | | 3 | | | | 2 | | | | 2 | | | | 4 | 1 | | | | 4 | 1 | | | | | | | |
| Nasopharyngeal Duct, Inflammation, Acute Nerve, Atrophy | 2 | 2 | 3 | | | | 2 | 2 | 2 | 3 | 2 | | 2 | | | 2 | 2 | | | 1 | 2 | 2 | 3 | 2 | 2 | 2 | | |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | | |
| Olfactory Epithelium, Atrophy | 2 | 2 | 3 | | | | 2 | | 2 | 1 | 2 | | 2 | | 1 | 2 | 1 | | 2 | | 2 | | | 2 | 2 | 2 | | |
| Olfactory Epithelium, Hyperplasia, Basal Cell | | | | 1 | 2 | | 2 | 2 | | | | | 2 | | | | 1 | | | | 1 | | | 2 | | 1 | | |
| Olfactory Epithelium, Metaplasia, Respiratory | 3 | 3 | 3 | | | | 3 | 3 | 3 | 4 | | | 3 | | 1 | 3 | | 1 | 1 | 3 | 3 | 2 | 3 | 2 | 3 | | | |
| Olfactory Epithelium, Necrosis | 3 | | | | | | | | 2 | | 2 | | | | | | 2 | | | | 3 | 1 | | | | | | |
| Olfactory Epithelium, Pigmentation | | | | | 1 | | | | 1 | | | | | | 1 | | 1 | 1 | 1 | | | | 1 | | | | | |
| Olfactory Epithelium, Regeneration | |
| Olfactory Epithelium, Squamous Metaplasia | | | 1 | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | | | | | | | 2 | | | | | | | | | | | | 1 | | | | | 2 | | | | |
| Respiratory Epithelium, Atrophy | | 1 | | 1 | | |
| Respiratory Epithelium, Hyperplasia | 1 | | | | | | | | | | | 1 | | | 3 | | | | | | | | | | | | | |
| Respiratory Epithelium, Metaplasia, Squamous | | | | | | | | | | | 2 | | | | | | | | | | | | | | | | | |
| Respiratory Epithelium, Necrosis | 2 | | | | | | | | 2 | | 4 | | | | | | | 2 | | | 4 | 2 | | 2 | | | | |
| Respiratory Epithelium, Pigmentation | 1 | | | | | | | | | | | | | | | | | 1 | | | | | | | | | | |
| Respiratory Epithelium, Regeneration | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | |
| Squamous Epithelium, Hyperplasia | |
| Turbinate, Deformity | | | | | | | X | X | X | X | | | X | | | | | | | X | | X | | | | X | | |

females
(cont...)

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

| WISTAR HAN RATS FEMALE

1000 mg/kg | | DAY ON TEST | | | females
(cont...) |
|--|--|-------------|--|----------------------|
| | | 0497 | 0373 | 0729 | 0099 | 0537 | 0072 | 0471 | 0444 | 0656 | 0509 | 0513 | 0092 | 0408 | 0096 | 0061 | 0099 | 0092 | 0092 | 0054 | 0051 | 0059 | 0053 | 0051 | 0073 | 0017 | 0016 | | | |
| | | 0040 | 0044 | | |
| | | 0040 | 0044 | 0040 | 0044 | | |
| | | 0067 | 0078 | 0089 | 0099 | 0000 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | 0022 | | |
| | | ANIMAL ID | | | |
| Turbinate, Hyperostosis | | 3 | 1 | 4 | | | | 2 | 2 | 2 | 3 | 2 | | 1 | | | 3 | 1 | | | 3 | 2 | 3 | 1 | 1 | 3 | | | | |
| Trachea | | + | + | | | |
| Hemorrhage | | | | |
| Inflammation | | 2 | | |
| SPECIAL SENSES SYSTEM | | | | |
| Eye | | + | + | | | |
| Synechia | | | | |
| Retina, Dysplasia | | | | |
| Harderian Gland | | + | + | | | |
| URINARY SYSTEM | | | | |
| Kidney | | + | + | M | + | | | | |
| Hydronephrosis | | | | |
| Inflammation | | | | |
| Nephropathy | | | | |
| Papilla, Mineralization | | | | |
| Papilla, Necrosis | | | | |
| Urinary Bladder | | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | | | | |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
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1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE | | DAY ON TEST | | | | | | | | | | | | | | | | | | | |
|------------------------|--|-------------|---|---|---|---|---|---|---|---|---|----------|--|--|--|--|--|--|--|--|--|
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | |
| | | 4 | 2 | 0 | 5 | 2 | 3 | 6 | 0 | 7 | 7 | | | | | | | | | | |
| | | 3 | 6 | 9 | 7 | 3 | 8 | 6 | 2 | 2 | 2 | | | | | | | | | | |
| 1000 mg/kg | | 4 | 7 | 2 | 4 | 6 | 6 | 8 | 0 | 9 | 9 | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| ANIMAL ID | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | | | | | | | | | |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | | | | | | | | | |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | | | | | | | | | |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | | | | | | | | | | |
| | | | | | | | | | | | | * TOTALS | | | | | | | | | |

ALIMENTARY SYSTEM

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|----|-------|
| Esophagus | + | + | + | + | + | + | + | + | + | + | 60 | |
| Perforation | | | | | | | | | | | | 1 |
| Intestine Large, Cecum | + | + | + | + | M | + | + | + | + | + | 54 | |
| Inflammation | | | | | | | | | | | | 1 2.0 |
| Intestine Large, Colon | + | + | + | + | M | + | + | + | + | + | 54 | |
| Inflammation | | | | | | | | | | | | 1 2.0 |
| Intestine Large, Rectum | + | + | + | + | M | + | + | + | + | + | 55 | |
| Parasite Metazoan | | | | | | | | | | | | 1 |
| Thrombosis | | | | | | | | | | | | 1 2.0 |
| Intestine Small, Duodenum | A | + | + | + | M | + | + | + | + | + | 49 | |
| Mucosa, Necrosis | | | | | | | | | | | | 5 2.2 |
| Intestine Small, Ileum | + | + | + | + | M | + | A | + | + | + | 46 | |
| Mucosa, Necrosis | | | | | | | | | | | | 5 1.0 |
| Intestine Small, Jejunum | + | + | + | + | M | + | + | + | + | + | 50 | |
| Mucosa, Necrosis | | | | | | | | | | | | 6 1.0 |
| Liver | + | + | + | + | + | + | + | + | + | + | 56 | |
| Basophilic Focus | | | | X | | | X | | X | X | | 16 |
| Clear Cell Focus | | | | X | | | | | | X | | 5 |
| Eosinophilic Focus | | | | | | | | | X | X | | 4 |
| Hematopoietic Cell Proliferation, Granulocytic | | | | | 3 | | | | | | | 1 3.0 |
| Inflammation | | | | 1 | | | | | | | | 7 1.1 |

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 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE | DAY ON TEST | | | | | | | | | | |
|---------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| | 0
4
3
4 | 0
2
6
7 | 0
0
9
2 | 0
5
7
4 | 0
2
3
6 | 0
3
8
6 | 0
6
6
8 | 0
0
2
0 | 0
7
2
9 | 0
7
2
9 | |
| 1000 mg/kg | ANIMAL ID | | | | | | | | | | |
| | 0
0
4
3
1 | 0
0
4
3
2 | 0
0
4
3
3 | 0
0
4
3
4 | 0
0
4
3
5 | 0
0
4
3
6 | 0
0
4
3
7 | 0
0
4
3
8 | 0
0
4
3
9 | 0
0
4
3
0 | |
| | | | | | | | | | | | * TOTALS |
| Mixed Cell Focus | | | | | | | | | X | | 2 |
| Necrosis | | 4 | 2 | | | 4 | | | | | 25 3.2 |
| Pigmentation | | | | | | | | | | 2 | 5 2.6 |
| Vacuolization Cytoplasmic, Focal | | | | | | | | | X | | 1 |
| Bile Duct, Hyperplasia | 1 | | 1 | | | | | | | 1 | 18 1.4 |
| Hepatocyte, Hyperplasia, Regenerative | | | | | | | | | | | 2 3.5 |
| Hepatocyte, Hypertrophy | | | 1 | | | | | | | | 1 1.0 |
| Oval Cell, Hyperplasia | | | 1 | | | | | 1 | 1 | | 17 1.2 |
| Mesentery | | | | | | | | | | | 2 |
| Pancreas | + | + | + | + | M | + | + | + | + | + | 54 |
| Acinus, Atrophy | | | | | | | 1 | | | 1 | 2 1.0 |
| Salivary Glands | + | + | + | + | + | + | + | + | + | + | 56 |
| Stomach, Forestomach | + | + | + | + | A | + | + | + | + | + | 54 |
| Erosion | | | | 2 | | | | | | | 1 2.0 |
| Inflammation | | | | | | | | 2 | | | 2 1.5 |
| Mineralization | | | | | | | | | | | 2 1.5 |
| Ulcer | | | | | | | | | | | 2 2.0 |
| Epithelium, Hyperplasia | | | | 2 | | | | | | | 2 1.5 |
| Stomach, Glandular | + | + | + | + | A | + | + | + | + | + | 54 |
| Inflammation | | | | | | | | | | | 2 1.5 |
| Mineralization | | | | 1 | | | | | | | 2 1.5 |
| Glands, Hyperplasia | | | | | | | | | | | 1 2.0 |
| Mucosa, Necrosis | 2 | | | | | | | | | | 20 1.9 |

CARDIOVASCULAR SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
 X .. Lesion present
 I .. Insufficient tissue

M .. Missing tissue
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20203 - 03
Test Type: CHRONIC
Route: GAVAGE
Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Green tea extract
CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
Time Report Requested: 07:54:40
First Dose M/F: 07/18/07 / 07/19/07
Lab: BAT

| WISTAR HAN RATS FEMALE | DAY ON TEST | | | | | | | | | | |
|------------------------------|-------------|---|---|---|---|---|---|---|---|---|----------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 4 | 2 | 0 | 5 | 2 | 3 | 6 | 0 | 7 | 7 | |
| | 3 | 6 | 9 | 7 | 3 | 8 | 6 | 2 | 2 | 2 | |
| 1000 mg/kg | 4 | 7 | 2 | 4 | 6 | 6 | 8 | 0 | 9 | 9 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ANIMAL ID | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | * TOTALS |
| Blood Vessel | | | | | | | | | | | 56 |
| Heart | | | | | | | | | | | 58 |
| Cardiomyopathy | | | | | | | | | | | 12 1.1 |
| Inflammation | | | | | | | | | | | 2 1.5 |
| Mineralization | | | | | | | | | | | 1 2.0 |
| Endocardium, Fibrosis | | | | | | | | | | | 1 2.0 |
| Endocardium, Hyperplasia | | | | | | | | | | | 1 2.0 |
| Epicardium, Inflammation | | | | | | | | | | | 4 1.5 |
| ENDOCRINE SYSTEM | | | | | | | | | | | |
| Adrenal Cortex | | | | | | | | | | | 57 |
| Degeneration, Cystic | | | | | | | | | | | 1 2.0 |
| Hemorrhage | | | | | | | | | | | 1 3.0 |
| Hyperplasia | | | | | | | | | | | 7 1.3 |
| Hypertrophy | | | | | | | | | | | 4 2.0 |
| Necrosis | | | | | | | | | | | 3 3.0 |
| Adrenal Medulla | | | | | | | | | | | 57 |
| Islets, Pancreatic | | | | | | | | | | | 54 |
| Parathyroid Gland | | | | | | | | | | | 54 |
| Pituitary Gland | | | | | | | | | | | 60 |
| Pars Distalis, Angiectasis | | | | | | | | | | | 1 3.0 |
| Pars Distalis, Hyperplasia | | | | | | | | | | | 13 2.3 |
| Pars Intermedia, Angiectasis | | | | | | | | | | | 1 4.0 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue
M .. Missing tissue
A .. Autolysis precludes evaluation
BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

| | | | | | | | | | | | | |
|------------------------|-------------|---|---|---|---|---|---|---|---|---|---|----------|
| WISTAR HAN RATS FEMALE | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 4 | 2 | 0 | 5 | 2 | 3 | 6 | 0 | 7 | | 7 |
| | | 3 | 6 | 9 | 7 | 3 | 8 | 6 | 2 | 2 | | 2 |
| | | 4 | 7 | 2 | 4 | 6 | 6 | 8 | 0 | 9 | | 9 |
| 1000 mg/kg | ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | 0 |
| | | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | 4 |
| | | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | | 4 |
| | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | * TOTALS |

| | | | | | | | | | | | | |
|---------------------|---|---|---|---|---|---|---|---|---|---|----|-----|
| Thyroid Gland | + | + | + | + | + | + | + | + | + | + | 57 | |
| C-cell, Hyperplasia | | | | 1 | | | | | | 3 | 4 | 1.5 |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

| | | | | | | | | | | | | |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|----|-----|
| Clitoral Gland | + | + | + | + | M | + | + | + | + | + | 56 | |
| Inflammation | | | | | | | | | | | 2 | 1.5 |
| Ovary | + | + | + | + | M | + | + | + | + | + | 54 | |
| Cyst | | | | | | | | | | 3 | 6 | 3.2 |
| Inflammation | 4 | | | 4 | | | | | | 2 | 6 | 3.0 |
| Uterus | + | + | + | + | M | + | + | + | + | + | 54 | |
| Congestion | | | | | | | | | | | 1 | 2.0 |
| Infiltration Cellular, Plasma Cell | | | | | | | | | | | 1 | 4.0 |
| Inflammation | | | | 4 | | | 4 | | | | 5 | 3.4 |
| Endometrium, Hyperplasia, Cystic | | | | | | | | | | 4 | 10 | 2.6 |

HEMATOPOIETIC SYSTEM

| | | | | | | | | | | | | |
|--|---|---|---|---|---|---|---|---|---|---|----|-----|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | 60 | |
| Hyperplasia | | | | 3 | | | 3 | | | 1 | 13 | 2.5 |
| Lymph Node | + | | | + | | | + | | | | 6 | |
| Bronchial, Hyperplasia, Plasma Cell | | | | | | | | | | | 1 | 2.0 |
| Lumbar, Hyperplasia, Lymphoid | | | | | | | 2 | | | | 1 | 2.0 |
| Mediastinal, Infiltration Cellular, Histiocyte | | | | | | | | | | | 1 | 2.0 |

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+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
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Experiment Number: 20203 - 03
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: RATS/Wistar Han

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Green tea extract
 CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013
 Time Report Requested: 07:54:40
 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE

1000 mg/kg | DAY ON TEST | | | | | | | | | | |
|--|-------------|---|---|---|---|---|---|---|---|---|-----------------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 4 | 2 | 0 | 5 | 2 | 3 | 6 | 0 | 7 | 7 | |
| | 3 | 6 | 9 | 7 | 3 | 8 | 6 | 2 | 2 | 2 | |
| ANIMAL ID | 4 | 7 | 2 | 4 | 6 | 6 | 8 | 0 | 9 | 9 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | * TOTALS |
| Mediastinal, Pigmentation, Hemosiderin | | | | | | | | | | | 1 2.0 |
| Renal, Hyperplasia, Plasma Cell | | | | 3 | | | | | | | 2 3.0 |
| Lymph Node, Mandibular | + | + | + | + | + | + | + | + | + | + | 56 |
| Atrophy | | | | | | | | | | | 1 3.0 |
| Congestion | | | | | | | | | | | 1 4.0 |
| Degeneration, Cystic | | | | | | | | | 2 | | 2 2.0 |
| Hyperplasia, Plasma Cell | | | | 2 | 2 | | | | | | 9 2.4 |
| Inflammation | | | | | | | | | | | 1 2.0 |
| Lymph Node, Mesenteric | + | + | + | + | M | + | + | + | + | + | 55 |
| Atrophy | | | | | | | | | | | 1 3.0 |
| Congestion | | | | | | | | | | | 1 3.0 |
| Hyperplasia, Plasma Cell | | | | 3 | | | | | | | 1 3.0 |
| Infiltration Cellular, Histiocyte | | | | | | | | | | | 1 2.0 |
| Spleen | + | + | + | + | M | + | + | + | + | + | 53 |
| Depletion Lymphoid | | 3 | | | | 3 | | | | | 17 1.7 |
| Hematopoietic Cell Proliferation | 2 | | | 4 | | | 3 | | | | 5 3.0 |
| Hyperplasia, Lymphoid | | | | | | | | | | | 1 2.0 |
| Thymus | + | + | + | + | + | + | + | + | + | + | 57 |
| Cyst | | | | | | | | | | | 1 3.0 |
| Hemorrhage | | | | | | 3 | | | | | 1 3.0 |

INTEGUMENTARY SYSTEM

| | | | | | | | | | | | |
|------------------|---|---|---|---|---|---|---|---|---|---|--------------|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | 57 |
| Duct, Dilatation | | | | | | | | | | | 1 3.0 |
| Skin | + | + | + | + | + | + | + | + | + | + | 60 |

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 Green tea extract
 CAS Number: GREENTEAEXTR

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 First Dose M/F: 07/18/07 / 07/19/07
 Lab: BAT

| WISTAR HAN RATS FEMALE | DAY ON TEST | | | | | | | | | | |
|------------------------|-------------|---|---|---|---|---|---|---|---|---|----------|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 4 | 2 | 0 | 5 | 2 | 3 | 6 | 0 | 7 | 7 | |
| | 3 | 6 | 9 | 7 | 3 | 8 | 6 | 2 | 2 | 2 | |
| 1000 mg/kg | 4 | 7 | 2 | 4 | 6 | 6 | 8 | 0 | 9 | 9 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | |
| ANIMAL ID | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | |
| | | | | | | | | | | | |
| | | | | | | | | | | | * TOTALS |
| Hyperplasia | | | | | | | | | | 2 | 1 2.0 |
| Inflammation | | | | | | | | | | 2 | 1 2.0 |

MUSCULOSKELETAL SYSTEM

| | | | | | | | | | | | |
|-----------------|---|---|---|---|---|---|---|---|---|---|----|
| Bone | + | + | + | + | A | + | + | + | + | + | 59 |
| Skeletal Muscle | | | | | | | | | | | 2 |

NERVOUS SYSTEM

| | | | | | | | | | | | |
|--------------|---|---|---|---|---|---|---|---|---|---|-------|
| Brain | + | + | + | + | + | + | + | + | + | + | 60 |
| Inflammation | | | | | | | | | | | 2 2.0 |

RESPIRATORY SYSTEM

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|--------|
| Lung | + | + | + | + | + | + | + | + | + | + | 58 |
| Congestion | | | | | | | | | | | 3 3.0 |
| Edema | | | | | | | | | | | 1 2.0 |
| Hemorrhage | | | | | | | | | | | 2 2.0 |
| Inflammation, Suppurative | | | | | | | | | | | 9 3.4 |
| Inflammation, Chronic Active | | | | 2 | | 2 | | 1 | 1 | | 10 1.4 |
| Alveolar Epithelium, Hyperplasia | | | | | | | | | 1 | | 3 1.7 |
| Alveolus, Infiltration Cellular, Histiocyte | | | | 1 | | 1 | 1 | | 1 | 2 | 17 1.3 |
| Nose | + | + | + | + | A | + | + | + | + | + | 59 |
| Foreign Body | | | | | | | | | | | 8 |
| Inflammation, Suppurative | 1 | | | 3 | | 3 | 1 | | 1 | 2 | 36 2.1 |
| Inflammation, Acute | | | | | | | | | | | 1 1.0 |
| Epithelium, Nasopharyngeal Duct, Degeneration | | | | 2 | 2 | | 3 | | | | 4 2.5 |

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| WISTAR HAN RATS FEMALE | DAY ON TEST | | | | | | | | | | |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
| | 0
4
3
4 | 0
2
6
7 | 0
0
9
2 | 0
5
7
4 | 0
2
3
6 | 0
3
8
6 | 0
6
6
8 | 0
0
2
0 | 0
7
2
9 | 0
7
2
9 | |
| 1000 mg/kg | ANIMAL ID | | | | | | | | | | |
| | 0
0
4
3
1 | 0
0
4
3
2 | 0
0
4
3
3 | 0
0
4
3
4 | 0
0
4
3
5 | 0
0
4
3
6 | 0
0
4
3
7 | 0
0
4
3
8 | 0
0
4
3
9 | 0
0
4
4
0 | |
| | | | | | | | | | | | * TOTALS |
| Epithelium, Nasopharyngeal Duct, Hyperplasia | | | | | | | | | | | 1 2.0 |
| Epithelium, Nasopharyngeal Duct, Necrosis | | | | | | 3 | | | | | 7 3.0 |
| Epithelium, Nasopharyngeal Duct, Regeneration | | | 2 | 2 | | 3 | 3 | | | | 9 3.0 |
| Lamina Propria, Mineralization | 1 | 2 | | | | | 2 | | 1 | | 22 1.5 |
| Lamina Propria, Pigmentation | 3 | 3 | | 2 | | | | | | | 15 1.9 |
| Nasopharyngeal Duct, Foreign Body | | | | | | | | | | | 2 |
| Nasopharyngeal Duct, Inflammation, Suppurative | | | | 3 | | | | | 2 | | 15 2.3 |
| Nasopharyngeal Duct, Inflammation, Acute | | | 1 | | | | | | | | 1 1.0 |
| Nerve, Atrophy | 2 | 2 | | 3 | | 2 | 2 | | 3 | 3 | 39 2.2 |
| Olfactory Epithelium, Accumulation, Hyaline Droplet | | | | | | | | | 1 | | 5 1.0 |
| Olfactory Epithelium, Atrophy | 2 | 2 | | 1 | | 1 | 2 | | 1 | 1 | 36 1.8 |
| Olfactory Epithelium, Hyperplasia, Basal Cell | | | | | | | 1 | | 1 | | 20 1.7 |
| Olfactory Epithelium, Metaplasia, Respiratory | 3 | 3 | | 4 | | 3 | 3 | | 3 | 3 | 40 2.8 |
| Olfactory Epithelium, Necrosis | | | | 1 | | 2 | | | | | 18 1.8 |
| Olfactory Epithelium, Pigmentation | | | | | | | | | | | 9 1.1 |
| Olfactory Epithelium, Regeneration | | | | | | | | | | | 1 2.0 |
| Olfactory Epithelium, Squamous Metaplasia | | | | 1 | | 2 | | | | | 5 1.4 |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | 1 | | | | | | | | 1 | | 8 1.6 |
| Respiratory Epithelium, Atrophy | | | | | | | | | | | 3 1.0 |
| Respiratory Epithelium, Hyperplasia | | | | | | | | | | | 4 1.5 |
| Respiratory Epithelium, Metaplasia, Squamous | | | | 2 | | | | | | | 4 1.5 |
| Respiratory Epithelium, Necrosis | | | | 1 | | 1 | | | | | 17 2.4 |
| Respiratory Epithelium, Pigmentation | | | | | | | 1 | | | | 5 1.0 |
| Respiratory Epithelium, Regeneration | | | | | | | | | | | 2 2.0 |
| Squamous Epithelium, Hyperplasia | | | | | | | | | | | 1 1.0 |
| Turbinate, Deformity | X | X | | X | | X | | | X | | 16 |

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

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1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

| WISTAR HAN RATS FEMALE | DAY ON TEST | | | | | | | | | | | |
|-------------------------|-------------|---|---|---|---|---|---|---|---|---|----------|-----|
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 4 | 2 | 0 | 5 | 2 | 3 | 6 | 0 | 7 | 7 | | |
| | 3 | 6 | 9 | 7 | 3 | 8 | 6 | 2 | 2 | 2 | | |
| 1000 mg/kg | 4 | 7 | 2 | 4 | 6 | 6 | 8 | 0 | 9 | 9 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | | |
| ANIMAL ID | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | | |
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | | |
| | | | | | | | | | | | * TOTALS | |
| Turbinate, Hyperostosis | | | | | | | | | | | 36 | 2.2 |
| Trachea | | | | | | | | | | | 60 | |
| Hemorrhage | | | | | | | | | | | 1 | 2.0 |
| Inflammation | | | | | | | | | | | 1 | 2.0 |
| SPECIAL SENSES SYSTEM | | | | | | | | | | | | |
| Eye | | | | | | | | | | | 59 | |
| Synechia | | | | | | | | | | | 2 | 3.0 |
| Retina, Dysplasia | | | | | | | | | | | 1 | 2.0 |
| Harderian Gland | | | | | | | | | | | 59 | |
| URINARY SYSTEM | | | | | | | | | | | | |
| Kidney | | | | | | | | | | | 55 | |
| Hydronephrosis | | | | | | | | | | | 3 | 2.3 |
| Inflammation | | | | | | | | | | | 1 | 1.0 |
| Nephropathy | | | | | | | | | | | 4 | 1.0 |
| Papilla, Mineralization | | | | | | | | | | | 1 | 1.0 |
| Papilla, Necrosis | | | | | | | | | | | 1 | 1.0 |
| Urinary Bladder | | | | | | | | | | | 54 | |

*** END OF REPORT ***

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