

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

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

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

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

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

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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

HEMATOPOIETIC SYSTEM

|             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   | 1 |
| Lymph Node  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:  
X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate  
I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked



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|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| <b>WISTAR HAN RATS MALE</b><br><b>0 mg/kg</b> | DAY ON TEST | 0538 | 0729 | 0772 | 0779 | 0779 | 0779 | 0579 | 0779 | 0778 | 0777 | 0777 | 0778 | 0778 | 0779 | 0777 | 0779 | 0777 | 0577 | 0777 | 0770 | 0777 | 0777 |      |      |
|   | ANIMAL ID   | 0001 | 0002 | 0003 | 0004 | 0005 | 0006 | 0007 | 0008 | 0009 | 0010 | 0011 | 0012 | 0013 | 0014 | 0015 | 0016 | 0017 | 0018 | 0019 | 0020 | 0021 | 0022 | 0023 | 0024 |

males  
(cont...)

Bone +

**NERVOUS SYSTEM**

Brain +

**RESPIRATORY SYSTEM**

Lung  
 Inflammation, Chronic Active 1 1 1  
 Mineralization 1  
 Alveolar Epithelium, Hyperplasia 1  
 Alveolus, Infiltration Cellular, Histiocyte 1 1 1 1 2 1 1 2 2 1 1 1

Nose  
 Foreign Body X X X X  
 Inflammation, Suppurative 1 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  
 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 | DAY ON TEST |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | males<br>(cont...) |
|----------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|
|                      | 058         | 079 | 072 | 079 | 077 | 077 | 077 | 075 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 075 | 077 | 077 | 070 | 077 | 077 |     |                    |
| 0 mg/kg              | 008         | 009 | 002 | 009 | 007 | 009 | 009 | 009 | 009 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 |     |                    |
|                      | 000         | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 |     |                    |
|                      | 000         | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 |     |                    |
|                      | 001         | 002 | 003 | 004 | 005 | 006 | 007 | 008 | 009 | 000 | 001 | 002 | 003 | 004 | 005 | 006 | 007 | 008 | 009 | 000 | 001 | 002 | 003 | 004 | 005 |                    |

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 1 1 3 2 2 1 1 1 1 1 1 1 1 1 1  
 Nephropathy 3 1 1 1 1 2 1 1 1 1 1 3 2 1 2 1 1 1 2 1 2 1 2  
 Papilla, Necrosis 1 1  
 Transitional Epithelium, Hyperplasia 1

Ureter

Urinary Bladder +

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Lab: BAT

| Wistar Han Rats Male | DAY ON TEST |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | males<br>(cont...) |
|----------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|
|                      | 002         | 007 | 005 | 007 | 000 | 000 | 007 | 007 | 000 | 007 | 007 | 006 | 000 | 007 | 007 | 005 | 006 | 006 | 000 | 007 | 007 | 000 | 005 |                    |
| 0 mg/kg              | 9           | 2   | 2   | 7   | 0   | 2   | 9   | 9   | 2   | 2   | 8   | 2   | 9   | 2   | 2   | 1   | 7   | 2   | 6   | 9   | 2   | 9   | 3   | 2                  |
|                      | 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                  |
|                      | 2           | 2   | 2   | 2   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 3   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 4   | 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                  |

ALIMENTARY SYSTEM

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

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

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 .. Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

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           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | males<br>(cont...)    |
|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                      | 0<br>0<br>9<br>2      | 0<br>7<br>2<br>7      | 0<br>5<br>0<br>5      | 0<br>7<br>2<br>7      | 0<br>0<br>9<br>2      | 0<br>0<br>9<br>2      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>0<br>2<br>8      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>8      | 0<br>0<br>9<br>2      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>5<br>1<br>9      | 0<br>6<br>7<br>4      | 0<br>6<br>2<br>9      | 0<br>6<br>6<br>8      | 0<br>0<br>9<br>2      | 0<br>7<br>2<br>8      | 0<br>7<br>9<br>2      | 0<br>0<br>3<br>9      | 0<br>5<br>3<br>8      | 0<br>7<br>2<br>9      |                       |
| 0 mg/kg              | 0<br>0<br>0<br>2<br>6 | 0<br>0<br>0<br>2<br>7 | 0<br>0<br>0<br>2<br>8 | 0<br>0<br>0<br>2<br>9 | 0<br>0<br>0<br>3<br>0 | 0<br>0<br>0<br>3<br>1 | 0<br>0<br>0<br>3<br>2 | 0<br>0<br>0<br>3<br>3 | 0<br>0<br>0<br>3<br>4 | 0<br>0<br>0<br>3<br>5 | 0<br>0<br>0<br>3<br>6 | 0<br>0<br>0<br>3<br>7 | 0<br>0<br>0<br>3<br>8 | 0<br>0<br>0<br>3<br>9 | 0<br>0<br>0<br>4<br>0 | 0<br>0<br>0<br>4<br>1 | 0<br>0<br>0<br>4<br>2 | 0<br>0<br>0<br>4<br>3 | 0<br>0<br>0<br>4<br>4 | 0<br>0<br>0<br>4<br>5 | 0<br>0<br>0<br>4<br>6 | 0<br>0<br>0<br>4<br>7 | 0<br>0<br>0<br>4<br>8 | 0<br>0<br>0<br>4<br>9 | 0<br>0<br>0<br>5<br>0 |

Necrosis  
 Vacuolization Cytoplasmic, Focal  
 Bile Duct, Hyperplasia  
 Hepatocyte, Atrophy  
 Hepatocyte, Regeneration

1 1 1 1 X

Mesentery  
 Necrosis

Oral Mucosa

+

Pancreas  
 Basophilic Focus  
 Acinus, Atrophy  
 Acinus, Hyperplasia

+  
 X  
 2

Salivary Glands  
 Amyloid Deposition  
 Atrophy

+ +

Stomach, Forestomach  
 Erosion  
 Inflammation  
 Epithelium, Hyperkeratosis  
 Epithelium, Hyperplasia

+  
 2  
 4  
 4  
 4 3

Stomach, Glandular  
 Inflammation  
 Mineralization

+  
 2

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<br>0 mg/kg | DAY ON TEST |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             |             | ANIMAL ID | males<br>(cont...) |
|---------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|--------------------|
|                                 | 0<br>9<br>2 | 0<br>7<br>2 | 0<br>5<br>0 | 0<br>7<br>2 | 0<br>0<br>9 | 0<br>0<br>9 | 0<br>7<br>2 | 0<br>7<br>2 | 0<br>0<br>8 | 0<br>7<br>2 | 0<br>7<br>2 | 0<br>0<br>9 | 0<br>7<br>2 | 0<br>7<br>2 | 0<br>6<br>0 | 0<br>7<br>7 | 0<br>5<br>1 | 0<br>6<br>7 | 0<br>6<br>6 | 0<br>0<br>2 | 0<br>7<br>2 | 0<br>7<br>2 | 0<br>0<br>2 |           |                    |

Inflammation

**CARDIOVASCULAR SYSTEM**

|                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart<br>Cardiomyopathy | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|                         |   | 2 |   | 2 | 1 |   | 1 | 1 |   | 1 | 1 | 1 |   | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 |   | 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<br>Hyperplasia               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| Pituitary Gland<br>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      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



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

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

3  
2  
3

Lymph Node, Mandibular  
Degeneration, Cystic  
Hyperplasia, Plasma Cell

+  
2  
3 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

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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  | males<br>(cont...) |
|----------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--------------------|
|                      | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |                    |
| 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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |                    |
|                      | 2           | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 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 |  |                    |

Bone +

NERVOUS SYSTEM

Brain +

RESPIRATORY SYSTEM

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

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Experiment Number: 20203 - 03

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Green tea extract

CAS Number: GREENTEAEXTR

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Lab: BAT

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

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

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

**ALIMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |    |     |     |
|--|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Esophagus<br>Inflammation                    | + | + | + | + | + | + | + | + | + | + | 60 | 1   | 4.0 |
| Intestine Large, Cecum<br>Inflammation       | + | + | + | + | + | + | + | + | + | + | 60 | 1   | 1.0 |
| Intestine Large, Colon                       | + | + | + | + | + | + | + | + | + | + | 60 |     |     |
| Intestine Large, Rectum<br>Parasite Metazoan | + | + | + | + | + | + | + | + | + | + | 60 | 5   |     |
| Intestine Small, Duodenum                    | + | + | + | + | + | + | + | + | + | + | 60 |     |     |
| Intestine Small, Ileum                       | + | + | + | + | + | + | + | + | + | + | 60 |     |     |
| Intestine Small, Jejunum                     | + | + | + | A | + | + | + | + | + | + | 59 |     |     |
| Liver  | + | + | + | + | + | + | + | + | + | + | 60 |     |     |
| Angiectasis                                  |   |   |   |   |   |   |   |   |   |   |    | 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 |     |     |

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+ .. 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

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 |
|----------------------------------|-------------|------|------|------|------|------|------|------|------|------|----------|
|                                  | 0645        | 0727 | 0671 | 0779 | 0779 | 0671 | 0779 | 0779 | 0525 | 0525 |          |
| <b>0 mg/kg</b>                   | ANIMAL ID   |      |      |      |      |      |      |      |      |      |          |
|                                  | 0051        | 0052 | 0053 | 0054 | 0055 | 0056 | 0057 | 0058 | 0059 | 0060 |          |
| 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        |

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**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Green tea extract

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Date Report Requested: 08/21/2013

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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 |
|-------------|---|---|---|---|---|---|---|---|---|---|
|             | 6 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 5 | 0 |
| 4           | 2 | 7 | 0 | 2 | 3 | 2 | 2 | 2 | 9 |   |
| 5           | 7 | 1 | 9 | 9 | 1 | 8 | 9 | 5 | 2 |   |
| ANIMAL ID   | 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 |   |
| 5           | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |   |
| 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |   |

**\* TOTALS**

Inflammation

**1 3.0**

**CARDIOVASCULAR SYSTEM**

|                |   |   |   |   |   |   |   |   |   |               |
|----------------|---|---|---|---|---|---|---|---|---|---------------|
| Blood Vessel   | + | + | + | + | + | + | + | + | + | <b>60</b>     |
| Heart          | + | + | + | + | + | + | + | + | + | <b>60</b>     |
| Cardiomyopathy | 2 | 1 |   | 1 | 1 | 1 |   | 3 |   | <b>47 1.3</b> |

**ENDOCRINE SYSTEM**

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

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Green tea extract

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

Lab: BAT

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

**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  |    |     |

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| WISTAR HAN RATS MALE | DAY ON TEST |      |      |      |      |      |      |      |      |      | ANIMAL ID |   |   |   |   |   |   |   |   |   |   |
|----------------------|-------------|------|------|------|------|------|------|------|------|------|-----------|---|---|---|---|---|---|---|---|---|---|
|                      | 0645        | 0727 | 0671 | 0779 | 0779 | 0671 | 0778 | 0779 | 0525 | 0092 |           |   |   |   |   |   |   |   |   |   |   |
| 0 mg/kg              | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 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 | 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  
 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 |   |               |
|---|--|---|---|---|---|---|---|---|---|---|---|---------------|
| WISTAR HAN RATS MALE                                      |  | 6 | 7 | 6 | 7 | 7 | 6 | 7 | 7 | 5 | 0 |               |
| 0 mg/kg   |  | 4 | 2 | 7 | 0 | 2 | 3 | 2 | 2 | 2 | 9 |               |
| ANIMAL ID   |  | 5 | 7 | 1 | 9 | 9 | 1 | 8 | 9 | 5 | 2 |               |
|   |  | 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 |   |               |
|   |  | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 6 |               |
|   |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |               |
| <b>* TOTALS</b>   |  |   |   |   |   |   |   |   |   |   |   |               |
| Bone  |  | + | + | + | + | + | + | + | + | + | + | <b>60</b>     |
| <b>NERVOUS SYSTEM</b>                                     |  |   |   |   |   |   |   |   |   |   |   |               |
| Brain   |  | + | + | + | + | + | + | + | + | + | + | <b>60</b>     |
| <b>RESPIRATORY SYSTEM</b>                                 |  |   |   |   |   |   |   |   |   |   |   |               |
| Lung  |  | + | + | + | + | + | + | + | + | + | + | <b>60</b>     |
| Inflammation, Chronic Active                              |  |   |   |   | 1 | 1 |   | 1 |   |   |   | <b>11 1.1</b> |
| Mineralization  |  |   |   |   |   |   |   |   |   |   |   | <b>1 1.0</b>  |
| Alveolar Epithelium, Hyperplasia                          |  |   |   |   |   |   |   |   |   |   |   | <b>2 1.0</b>  |
| Alveolus, Infiltration Cellular, Histiocyte               |  |   |   |   | 1 | 1 |   |   | 1 |   |   | <b>25 1.2</b> |
| Nose  |  | + | + | + | + | + | + | + | + | + | + | <b>60</b>     |
| Foreign Body  |  |   |   |   |   |   | X |   |   |   |   | <b>8</b>      |
| Inflammation, Suppurative                                 |  |   |   |   |   | 2 |   |   |   |   |   | <b>11 1.7</b> |
| Epithelium, Goblet Cell, Nasopharyngeal Duct, Hyperplasia |  |   |   |   |   |   |   |   |   |   |   | <b>1 1.0</b>  |
| Goblet Cell, Hyperplasia                                  |  |   |   |   |   |   |   |   |   |   |   | <b>1 1.0</b>  |
| Olfactory Epithelium, Accumulation, Hyaline Droplet       |  | 1 | 1 | 2 |   | 2 | 4 | 4 |   |   |   | <b>31 2.6</b> |
| Olfactory Epithelium, Atrophy                             |  |   |   |   |   |   |   |   |   |   |   | <b>1 1.0</b>  |
| Olfactory Epithelium, Metaplasia, Respiratory             |  |   |   |   |   | 1 |   |   |   |   |   | <b>4 1.3</b>  |
| Olfactory Epithelium, Necrosis                            |  |   |   |   |   |   |   |   |   |   |   | <b>1 2.0</b>  |
| Olfactory Epithelium, Pigmentation                        |  | 1 | 3 |   |   |   |   |   |   |   |   | <b>6 1.7</b>  |
| Respiratory Epithelium, Accumulation, Hyaline Droplet     |  |   |   |   |   | 1 | 1 | 2 |   |   |   | <b>23 1.5</b> |
| Respiratory Epithelium, Hyperplasia                       |  |   |   |   |   |   |   |   |   |   |   | <b>3 1.3</b>  |
| Respiratory Epithelium, Pigmentation                      |  |   |   |   |   |   |   |   |   |   |   | <b>2 1.0</b>  |

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

\* .. 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:  
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Experiment Number: 20203 - 03

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Green tea extract

CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013

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

Lab: BAT

| WISTAR HAN RATS MALE | DAY ON TEST | 0 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  | males (cont...) |
|----------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|-----------------|
|                      |             | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |  |  |                 |
| 100 mg/kg            | 2           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |  |  |                 |
|                      | 8           | 9 | 8 | 8 | 7 | 7 | 8 | 7 | 8 | 8 | 8 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 7 | 1 |  |  |                 |
| ANIMAL ID            |             | 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 |  |  |                 |
|                      |             | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 |   |  |  |                 |
|                      |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 |   |  |  |                 |

ALIMENTARY SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus Inflammation  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon Parasite Metazoan                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | X | + |
| Intestine Large, Rectum Parasite Metazoan Muscularis, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Small, Duodenum Mucosa, Necrosis                        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A |
| Intestine Small, Ileum Mucosa, Necrosis                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | A |
| Liver Angiectasis   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Basophilic Focus  |   | X | X |   | 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 | X | X | X |   |
| Eosinophilic Focus  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X | X |   |   |   |   |   |   |
| Fatty Change  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |
| Hematopoietic Cell Proliferation, Granulocytic Inflammation       |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically                    M .. Missing tissue                    1-4 .. Lesion qualified as:  
 X .. Lesion present                    A .. Autolysis precludes evaluation                    1) Minimal 3) Moderate  
 I .. Insufficient tissue                    BLANK .. Not examined microscopically                    2) Mild 4) Marked





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<br>100 mg/kg | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | males<br>(cont...) |  |
|-----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------------------|--|
|                                   | 0728        | 0729  | 0728  | 0728  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  | 0727  |       |                    |  |
| ANIMAL ID                         | 00061       | 00062 | 00063 | 00064 | 00065 | 00066 | 00067 | 00068 | 00069 | 00070 | 00071 | 00072 | 00073 | 00074 | 00075 | 00076 | 00077 | 00078 | 00079 | 00080 | 00081 | 00082 | 00083 | 00084 | 00085 |                    |  |
| 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                                 |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                    |  |
| <b>ENDOCRINE SYSTEM</b>           |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                    |  |
| Adrenal Cortex                    | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +                  |  |
| Angiectasis                       |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                    |  |
| Degeneration, Cystic              |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                    |  |
| Hyperplasia                       | 1           | 2     |       | 1     | 1     | 1     |       | 1     | 1     | 1     |       | 2     |       | 1     | 2     |       | 1     | 2     |       |       |       | 3     |       | 2     |       | 2                  |  |
| Hypertrophy                       | 2           |       | 2     | 2     | 2     | 1     |       | 2     | 2     |       |       |       |       | 2     |       |       |       |       |       |       | 2     |       | 1     |       |       | 2                  |  |
| 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



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

|  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | males<br>(cont...) |
|--|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------|
| DAY ON TEST  |  | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7 | 7 | 6 | 7 | 5 |   |                    |
| WISTAR HAN RATS MALE                               |  | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 6 | 2 | 2 | 2 | 8 | 4 | 2 |   |                    |
| 100 mg/kg  |  | 8 | 9 | 8 | 8 | 7 | 7 | 8 | 8 | 8 | 2 | 9 | 7 | 7 | 7 | 9 | 7 | 1 | 8 | 9 | 8 | 5 | 8 | 1 |   |                    |
| ANIMAL ID  |  | 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 |   |                    |
|  |  | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |   |                    |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 |   |   |                    |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 |   |   |                    |
| Hyperplasia, Plasma Cell                           |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Lymph Node, Mesenteric                             |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                    |
| Spleen   |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                    |
| Angiectasis  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Depletion Lymphoid                                 |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |                    |
| Hematopoietic Cell Proliferation                   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Thymus   |  | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                    |
| <b>INTEGUMENTARY SYSTEM</b>                        |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Mammary Gland                                      |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                    |
| Skin   |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                    |
| Cyst Epithelial Inclusion                          |  |   |   |   | X |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Hyperplasia  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Ulcer  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |                    |
| Hair Follicle, Cyst Epithelial Inclusion, Multiple |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| <b>MUSCULOSKELETAL SYSTEM</b>                      |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Bone   |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                    |
| <b>NERVOUS SYSTEM</b>                              |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Brain  |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |                    |
| Ventricle, Developmental Malformation              |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| 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  
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1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
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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 MALE | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | males<br>(cont...) |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 100 mg/kg            | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      |                    | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>6      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>5      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>4      | 0<br>7<br>2<br>5      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>1      |                       |
| ANIMAL ID            | 0<br>0<br>0<br>6<br>1 | 0<br>0<br>0<br>6<br>2 | 0<br>0<br>0<br>6<br>3 | 0<br>0<br>0<br>6<br>4 | 0<br>0<br>0<br>6<br>5 | 0<br>0<br>0<br>6<br>6 | 0<br>0<br>0<br>6<br>7 | 0<br>0<br>0<br>6<br>8 | 0<br>0<br>0<br>6<br>9 | 0<br>0<br>0<br>6<br>0 | 0<br>0<br>0<br>6<br>1 | 0<br>0<br>0<br>6<br>2 | 0<br>0<br>0<br>6<br>3 | 0<br>0<br>0<br>6<br>4 | 0<br>0<br>0<br>6<br>5 | 0<br>0<br>0<br>6<br>6 | 0<br>0<br>0<br>6<br>7 | 0<br>0<br>0<br>6<br>8 | 0<br>0<br>0<br>6<br>9 | 0<br>0<br>0<br>6<br>0 |                    | 0<br>0<br>0<br>6<br>1 | 0<br>0<br>0<br>6<br>2 | 0<br>0<br>0<br>6<br>3 | 0<br>0<br>0<br>6<br>4 | 0<br>0<br>0<br>6<br>5 | 0<br>0<br>0<br>6<br>6 | 0<br>0<br>0<br>6<br>7 | 0<br>0<br>0<br>6<br>8 | 0<br>0<br>0<br>6<br>9 | 0<br>0<br>0<br>6<br>0 | 0<br>0<br>0<br>6<br>1 | 0<br>0<br>0<br>6<br>2 | 0<br>0<br>0<br>6<br>3 | 0<br>0<br>0<br>6<br>4 |

Spinal Cord  
Degeneration

## RESPIRATORY SYSTEM

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

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

+ .. Tissue examined microscopically

X .. Lesion present

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Green tea extract

CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013

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

Lab: BAT

| WISTAR HAN RATS MALE | DAY ON TEST                |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            | males<br>(cont...) |
|----------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|--------------------|
|                      | 07<br>28                   | 07<br>29                   | 07<br>28                   | 07<br>28                   | 07<br>27                   | 07<br>27                   | 07<br>27                   | 07<br>27                   | 07<br>27                   | 07<br>27                   | 07<br>27                   | 07<br>27                   | 07<br>27                   | 07<br>27                   | 07<br>27                   | 07<br>27                   | 07<br>27                   | 07<br>27                   | 07<br>27                   | 07<br>27                   | 07<br>27                   | 07<br>27                   | 07<br>27                   | 07<br>27                   |                            |                    |
| 100 mg/kg            | 00<br>00<br>00<br>06<br>01 | 00<br>00<br>00<br>06<br>02 | 00<br>00<br>00<br>06<br>03 | 00<br>00<br>00<br>06<br>04 | 00<br>00<br>00<br>06<br>05 | 00<br>00<br>00<br>06<br>06 | 00<br>00<br>00<br>06<br>07 | 00<br>00<br>00<br>06<br>08 | 00<br>00<br>00<br>06<br>09 | 00<br>00<br>00<br>06<br>00 | 00<br>00<br>00<br>06<br>01 | 00<br>00<br>00<br>06<br>02 | 00<br>00<br>00<br>06<br>03 | 00<br>00<br>00<br>06<br>04 | 00<br>00<br>00<br>06<br>05 | 00<br>00<br>00<br>06<br>06 | 00<br>00<br>00<br>06<br>07 | 00<br>00<br>00<br>06<br>08 | 00<br>00<br>00<br>06<br>09 | 00<br>00<br>00<br>06<br>00 | 00<br>00<br>00<br>06<br>01 | 00<br>00<br>00<br>06<br>02 | 00<br>00<br>00<br>06<br>03 | 00<br>00<br>00<br>06<br>04 | 00<br>00<br>00<br>06<br>05 |                    |

Olfactory Epithelium, Hyperplasia, Basal Cell

Olfactory Epithelium, Metaplasia, Respiratory

Olfactory Epithelium, Necrosis

Olfactory Epithelium, Pigmentation

Respiratory Epithelium, Accumulation, Hyaline Droplet

Respiratory Epithelium, Atrophy

Respiratory Epithelium, Hyperplasia

Respiratory Epithelium, Metaplasia, Squamous

Respiratory Epithelium, Pigmentation

Turbinate, Deformity

Turbinate, Hyperostosis

|   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 |  | 2 | 3 | 2 | 3 | 2 | 3 | 1 | 2 |   | 3 | 1 | 2 |   | 3 | 3 | 2 | 3 | 2 | 2 | 2 | 2 | 2 | 2 |
|   |  |   |   |   |   | 2 |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |
|   |  | 2 | 2 | 1 | 3 |   | 2 | 1 |   | 1 |   |   | 2 | 1 |   |   |   | 1 |   |   |   |   |   |   |
| 3 |  | 3 |   | 2 | 2 |   |   |   |   | 1 | 1 |   | 1 | 1 |   | 3 |   |   | 2 | 2 |   | 1 | 1 |   |
|   |  |   |   |   |   |   | 2 |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |
|   |  | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |  |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |  | X |   | X | X | X | X | X |   |   |   |   | 1 | X |   |   | X | X |   |   | X |   |   |   |
|   |  | 1 |   | 1 |   | 1 |   |   |   |   |   |   | 1 | 1 | 2 |   | 1 | 3 |   | 2 |   | 1 |   |   |

Trachea +

SPECIAL SENSES SYSTEM

Eye +

Synechia

Ciliary Body, Inflammation

Retina, Dysplasia

1

Harderian Gland +

Inflammation

URINARY SYSTEM

Kidney +

Cyst 2

Hydronephrosis

Inflammation

1 2 1 2 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

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Experiment Number: 20203 - 03

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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<br>100 mg/kg    | DAY ON TEST |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | males<br>(cont...) |     |     |    |    |    |    |  |  |
|--------------------------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------|-----|-----|----|----|----|----|--|--|
|                                      | 078         | 079 | 078 | 078 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 077 | 076 | 077 | 077 | 077 | 077 | 077 | 076 | 077 | 077 | 077 | 076 | 077 | 075 |                    | 074 | 074 |    |    |    |    |  |  |
|                                      | ANIMAL ID   |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |     |     |    |    |    |    |  |  |
|                                      | 000         | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000                | 000 | 000 |    |    |    |    |  |  |
|                                      | 61          | 62  | 63  | 64  | 65  | 66  | 67  | 68  | 69  | 70  | 71  | 72  | 73  | 74  | 75  | 76  | 77  | 78  | 79  | 80  | 81  | 82  | 83  | 84  | 85  | 88                 | 88  | 88  | 88 | 88 | 88 | 88 |  |  |
| Nephropathy                          | 1           | 1   | 1   | 1   | 2   | 1   | 1   | 1   | 1   | 1   |     |     |     | 1   | 1   | 1   | 1   |     | 1   |     |     |     |     |     |     | 1                  | 1   | 1   | 1  |    |    |    |  |  |
| Transitional Epithelium, Hyperplasia |             |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |                    |     |     |    |    |    |    |  |  |
| Urinary Bladder                      | +           | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +   | +                  | +   | +   | +  | +  | +  | +  |  |  |

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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

|                             |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                 |      |
|-----------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------------|------|
| <b>WISTAR HAN RATS MALE</b> | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | <b>* TOTALS</b> |      |
|                             | 0728        | 0668 | 0563 | 0774 | 0664 | 0372 | 0778 | 0574 | 0776 | 0777 | 0778 | 0778 | 0778 | 0778 | 0778 | 0778 | 0778 | 0778 | 0664 | 0665 | 0668 | 0778 | 0777 |                 | 0777 |
|                             | 0008        | 0008 | 0008 | 0008 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 | 0009 |                 | 0009 |

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     |     |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Esophagus Inflammation  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1   | 2.0 |
| Intestine Large, Cecum  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |     |
| Intestine Large, Colon Parasite Metazoan                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1   |     |
| Intestine Large, Rectum Parasite Metazoan Muscularis, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1   | 4.0 |
| Intestine Small, Duodenum Mucosa, Necrosis                        | + | + | A | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 | 1   | 1.0 |
| Intestine Small, Ileum Mucosa, Necrosis                           | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | 1   | 1.0 |
| Intestine Small, Jejunum  | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 47 |     |     |
| Liver Angiectasis   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1   | 2.0 |
| Basophilic Focus  |   |   |   |   |   |   |   | X |   |   |   |   | X |   |   | X | X |   | X |   | X | X | X | 20 |     |     |
| Clear Cell Focus  | X |   | X | X | X |   | X | X |   | X | X | X | X | X | X | X | X |   | X |   | X | X | X | 36 |     |     |
| Eosinophilic Focus  |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | X | X |   |   |   |   | 5  |     |     |
| Fatty Change  |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  | 1.5 |     |
| Hematopoietic Cell Proliferation, Granulocytic Inflammation       |   |   | 2 |   |   |   |   |   | 1 |   |   |   |   |   | 1 |   |   |   |   |   | 1 | 1 |   | 7  | 2.0 | 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  
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| WISTAR HAN RATS MALE<br>100 mg/kg | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |
|-----------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|
|                                   | 078         | 068   | 053   | 072   | 063   | 037   | 077   | 057   | 077   | 057   | 077   | 057   | 077   | 057   | 077   | 057   | 077   | 057   | 077   | 057   | 077   | 057   | 077   | 057   |          |       |
| ANIMAL ID                         | 00086       | 00087 | 00088 | 00089 | 00090 | 00091 | 00092 | 00093 | 00094 | 00095 | 00096 | 00097 | 00098 | 00099 | 00100 | 00101 | 00102 | 00103 | 00104 | 00105 | 00106 | 00107 | 00108 | 00109 | 00110    |       |
| 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**

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| WISTAR HAN RATS MALE<br>100 mg/kg | DAY ON TEST |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | * TOTALS |          |          |      |
|-----------------------------------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|------|
|                                   | 07<br>28    | 06<br>68 | 05<br>13 | 07<br>28 | 06<br>36 | 03<br>44 | 07<br>29 | 07<br>88 | 05<br>46 | 07<br>77 | 07<br>78 | 07<br>28 | 07<br>28 | 07<br>28 | 07<br>28 | 07<br>28 | 07<br>28 | 06<br>49 | 06<br>60 | 06<br>68 |          | 07<br>78 | 07<br>77 |      |
| 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 |
| 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        | 43   |
| Endocardium, Hyperplasia          |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 1.6  |
|                                   |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 3.0  |
| <b>ENDOCRINE SYSTEM</b>           |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |      |
| Adrenal Cortex                    | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | 50   |
| Angiectasis                       |             |          |          | 2        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 1    |
| Degeneration, Cystic              |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 2.0  |
| Hyperplasia                       |             |          |          | 1        | 2        | 2        |          |          |          |          |          |          | 2        |          |          |          |          |          | 2        |          |          | 1        | 2        | 1    |
| Hypertrophy                       | 2           | 1        |          |          |          | 2        |          | 2        |          |          |          | 2        | 2        | 1        |          | 3        | 2        |          |          | 1        | 2        |          | 2        | 22   |
| Infiltration Cellular, Lipocyte   |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 1.5  |
|                                   |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 1.8  |
|                                   |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 4.0  |
| Adrenal Medulla                   | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | 50   |
| Hyperplasia                       |             |          |          |          |          |          |          |          |          |          |          | 3        |          |          |          |          |          |          |          |          |          |          |          | 1    |
|                                   |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 3.0  |
| Islets, Pancreatic                | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | 50   |
| Parathyroid Gland                 | +           | M        | +        | +        | +        | M        | +        | +        | +        | +        | +        | M        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | 44   |
| Pituitary Gland                   | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | 50   |
| Pars Distalis, Atrophy            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 1    |
| Pars Distalis, Hyperplasia        |             |          |          |          |          |          |          |          |          | 2        |          |          |          | 2        |          |          |          | 3        |          |          |          |          |          | 10   |
|                                   |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 1.0  |
|                                   |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 2.0  |
| Thyroid Gland                     | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | 50   |
| C-cell, Hyperplasia               |             | 2        |          | 3        | 1        | 1        | 1        | 1        |          |          | 1        | 2        | 1        |          | 1        | 3        |          |          | 3        | 1        | 1        |          | 2        | 30   |
| Follicular Cell, Hyperplasia      |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 1.5  |
|                                   |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 2.0  |

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|----------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|
|                      | 07          | 06 | 05 | 07 | 06 | 03 | 07 | 07 | 05 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 06 | 06 | 06 | 07 | 07 | 07 |          |
| 100 mg/kg            | 28          | 68 | 13 | 28 | 36 | 44 | 22 | 29 | 84 | 06 | 27 | 28 | 28 | 22 | 22 | 22 | 22 | 22 | 28 | 94 | 00 | 58 | 08 | 27 |          |
|                      | 00          | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |          |
| ANIMAL ID            | 00          | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |    |          |
|                      | 88          | 88 | 88 | 88 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | 00 | 00 | 00 |    |          |
|                      | 67          | 88 | 83 | 88 | 64 | 01 | 22 | 33 | 44 | 55 | 66 | 77 | 88 | 99 | 00 | 11 | 22 | 33 | 44 | 55 | 66 | 77 | 88 |    |          |

|                                  |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |       |       |
|----------------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|-------|-------|
| 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

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 |    |    |    |
|----------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|----|----|
|                      | 07          | 06 | 05 | 07 | 06 | 03 | 07 | 07 | 05 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 06 | 06 | 06 |          | 07 | 07 | 07 |
| 100 mg/kg            | 28          | 68 | 13 | 28 | 36 | 44 | 29 | 28 | 44 | 06 | 27 | 28 | 28 | 28 | 27 | 29 | 29 | 88 | 94 | 05 | 08       | 28 | 27 |    |
| ANIMAL ID            | 00          | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00       | 00 | 00 |    |
|                      | 00          | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00       | 00 | 00 |    |
|                      | 88          | 88 | 88 | 88 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 99 | 00 | 00 | 00 | 00 | 00       | 00 | 00 |    |
|                      | 67          | 88 | 83 | 89 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 08 | 09 | 00 | 01 | 02 | 03 | 04 | 05       | 06 | 07 |    |

|                          |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |       |
|--------------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|-------|
| Spinal Cord Degeneration | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1 | 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      | 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 | 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 | 30 1.8 |        |
| Olfactory Epithelium, Atrophy                             |   |   |   | 2 | 2 | 1 |   |   |   |   |   | 2 |   | 2 | 1 | 2 | 2 | 1 |   | 1 | 2 | 2 | 2 | 2      | 38 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  
 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

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<br>100 mg/kg                     | DAY ON TEST |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | * TOTALS |          |          |          |          |     |     |     |
|---|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----|-----|-----|
|   | 07<br>28    | 06<br>68 | 05<br>13 | 07<br>28 | 06<br>36 | 03<br>44 | 07<br>29 | 07<br>28 | 05<br>48 | 07<br>76 | 07<br>78 | 07<br>78 | 07<br>78 | 07<br>78 | 07<br>78 | 07<br>78 | 07<br>78 | 07<br>78 | 06<br>45 | 06<br>68 |          | 06<br>68 | 07<br>78 | 07<br>78 | 07<br>78 |     |     |     |
| ANIMAL ID   | 0088        | 0088     | 0088     | 0088     | 0099     | 0099     | 0099     | 0099     | 0099     | 0099     | 0099     | 0099     | 0099     | 0099     | 0099     | 0099     | 0099     | 0099     | 0099     | 0099     | 0099     | 0099     | 0099     | 0099     | 0099     |     |     |     |
| Olfactory Epithelium, Hyperplasia, Basal Cell         |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 1        | 1   | 1.0 |     |
| Olfactory Epithelium, Metaplasia, Respiratory         |             |          |          | 2        | 2        | 2        |          |          |          | 3        | 1        | 3        |          | 3        | 2        | 3        | 2        | 2        | 1        | 1        | 3        | 3        | 3        | 2        | 2        | 40  | 2.2 |     |
| Olfactory Epithelium, Necrosis                        |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 3   | 2.0 |     |
| Olfactory Epithelium, Pigmentation                    |             |          |          | 2        |          |          |          |          |          | 1        | 1        |          | 1        | 1        |          |          |          |          |          | 1        |          |          |          | 2        | 3        | 18  | 1.6 |     |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | 1           | 2        |          |          |          |          |          | 1        | 1        | 1        | 2        |          | 1        | 2        | 1        |          | 2        | 2        |          | 1        | 1        | 3        | 1        | 1        | 1        | 30  | 1.6 |     |
| Respiratory Epithelium, Atrophy                       |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 2   | 1.5 |     |
| Respiratory Epithelium, Hyperplasia                   |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 1   | 2.0 |     |
| Respiratory Epithelium, Metaplasia, Squamous          |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 1   | 1.0 |     |
| Respiratory Epithelium, Pigmentation                  |             |          |          |          |          |          |          |          |          |          |          | 1        | 2        |          |          |          |          |          |          |          |          |          |          | 1        | 6        | 1.2 |     |     |
| Turbinate, Deformity                                  |             |          |          |          |          |          |          |          |          |          |          | X        |          | X        |          |          |          | X        | X        | X        |          |          |          | X        | 16       |     |     |     |
| Turbinate, Hyperostosis                               |             |          |          | 1        |          |          |          |          |          |          |          | 2        |          | 3        |          | 2        |          | 1        |          | X        | X        |          |          | 1        | 1        | 2   | 18  | 1.5 |
| Trachea   | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | 50  |     |     |
| <b>SPECIAL SENSES SYSTEM</b>                          |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |     |     |
| Eye   | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | 50  |     |     |
| Synechia  |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 2        | 1   | 2.0 |     |
| Ciliary Body, Inflammation                            |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 1   | 2.0 |     |
| Retina, Dysplasia                                     |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 1   | 1.0 |     |
| Harderian Gland                                       | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | 50  |     |     |
| Inflammation  |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 2        | 1   | 2.0 |     |
| <b>URINARY SYSTEM</b>                                 |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |     |     |     |
| Kidney  | +           | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | +        | 50  |     |     |
| Cyst  |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 2        | 3   | 3   | 2.3 |
| Hydronephrosis  |             |          | 3        | 2        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 2   | 2.5 |     |
| Inflammation  |             |          | 2        |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 2        | 1   | 10  | 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

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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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Green tea extract

CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013

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Lab: BAT

|                                      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                 |
|--------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|-----------------|
| <b>WISTAR HAN RATS MALE</b>          | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                 |
|                                      | 078         | 068  | 053  | 078  | 066  | 034  | 072  | 077  | 058  | 070  | 072  | 072  | 072  | 072  | 072  | 072  | 072  | 072  | 072  | 066  | 066  | 067  | 077  | 077  |           | <b>* TOTALS</b> |
| <b>100 mg/kg</b>                     | 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            |
| Nephropathy                          | 1           | 1    |      | 1    | 1    |      | 1    | 1    | 1    | 2    | 1    | 1    | 1    | 2    | 1    | 2    |      | 1    | 3    | 1    | 1    | 1    | 1    | 4    | <b>50</b> |                 |
| Transitional Epithelium, Hyperplasia |             | 2    |      |      |      |      |      |      |      |      |      |      |      | 2    |      |      |      |      |      |      |      | 1    |      |      |           |                 |
| Urinary Bladder                      | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | <b>50</b> |                 |
|                                      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                 |

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

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

**ALIMENTARY SYSTEM**

|                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Muscularis, Degeneration  |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Intestine Large, Cecum    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parasite Metazoan         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Epithelium, Necrosis      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Intestine Large, Rectum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parasite Metazoan         |   |   |   |   |   |   | X |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |
| Intestine Small, Duodenum | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + |
| Epithelium, Regeneration  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mucosa, Necrosis          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Intestine Small, Ileum    | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mucosa, Necrosis          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Intestine Small, Jejunum  | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | A | + | + | + |
| Mucosa, Necrosis          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Muscularis, Hyperplasia   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Liver                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Angiectasis               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |
| 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 |   |   | X |   | X | X | X | X |   |   | X | X | X |
| Eosinophilic Focus        |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   | X |   |

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 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<br>300 mg/kg               | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ANIMAL ID | males<br>(cont...) |   |   |   |   |   |   |   |   |   |   |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|---|---|---|---|---|---|---|---|---|---|
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |           |                    | 0 |   |   |   |   |   |   |   |   |   |
|   | 7           | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 7 | 7         | 7                  | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |
|   | 2           | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 8 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2         | 2                  | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |   |
|   | 7           | 8 | 6 | 9 | 8 | 7 | 8 | 7 | 8 | 5 | 8 | 9 | 9 | 8 | 9 | 8 | 8 | 7 | 3 | 9 | 7         | 7                  | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 |   |
|   | 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 |   |
|   | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1         | 1                  | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |   |
|   | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2         | 3                  | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 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 |   |   |   |   |   |   |   |
| 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 |           |                    |   |   |   |   |   |   |   |   |   |   |
| Portal, Infiltration Cellular, Mononuclear Cell |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |   |   |   |   |   |   | 1 |   |   |   |
| Mesentery                                       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |   |   |   |   |   |   |   |   |   |   |
|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |   |   |   |   |   |   |   |   |   |   |
|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |   |   |   |   |   |   |   |   |   |   |
|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |   |   |   |   |   |   |   |   |   |   |
| Pancreas  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |   |   |   |   |   |   |   |   |   |   |
| Pigmentation, Hemosiderin                       |             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         | +                  | + | + | + | + | + | + | + | + |   |   |
| Acinus, Atrophy                                 |             | 2 |   | 1 |   |   | 1 | 2 |   |   |   |   |   |   |   |   |   | 1 | 2 |   |           |                    | 2 |   |   |   |   |   |   |   |   |   |
| Salivary Glands                                 |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |   |   |   |   |   |   |   |   |   |   |
| Duct, Cyst                                      |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |   |   |   |   |   |   |   |   |   |   |
| Stomach, Forestomach                            |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |   |   |   |   |   |   |   |   |   |   |
| Epithelium, Degeneration, Hydropic              |             | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |   |   |   |   |   |   |   |   |   |   |
| Epithelium, Hyperplasia                         |             | 3 |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   | 1 | 1 |           |                    |   |   |   |   |   |   |   |   |   |   |
| Stomach, Glandular                              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |   |   |   |   |   |   |   |   |   |   |
| Cyst, Squamous                                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |   |   |   |   |   |   |   |   |   |   |
| Mucosa, Hyalinization                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                    |   |   |   |   |   |   |   |   |   |   |
| Mucosa, Necrosis                                |             |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           | 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  
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1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
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Experiment Number: 20203 - 03

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Green tea extract

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Lab: BAT

| WISTAR HAN RATS MALE | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | males<br>(cont...) |
|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|--------------------|
|                      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>8      | 0<br>6<br>4<br>6      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>7      | 0<br>5<br>2<br>8      | 0<br>7<br>2<br>5      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>7      | 0<br>6<br>4<br>3      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>9      |                       |                    |
| 300 mg/kg            | 0<br>0<br>1<br>1<br>1 | 0<br>0<br>1<br>1<br>2 | 0<br>0<br>1<br>1<br>3 | 0<br>0<br>1<br>1<br>4 | 0<br>0<br>1<br>1<br>5 | 0<br>0<br>1<br>1<br>6 | 0<br>0<br>1<br>1<br>7 | 0<br>0<br>1<br>1<br>8 | 0<br>0<br>1<br>1<br>9 | 0<br>0<br>2<br>2<br>0 | 0<br>0<br>1<br>2<br>1 | 0<br>0<br>1<br>2<br>2 | 0<br>0<br>1<br>2<br>3 | 0<br>0<br>1<br>2<br>4 | 0<br>0<br>1<br>2<br>5 | 0<br>0<br>1<br>2<br>6 | 0<br>0<br>1<br>2<br>7 | 0<br>0<br>1<br>2<br>8 | 0<br>0<br>1<br>2<br>9 | 0<br>0<br>1<br>3<br>0 | 0<br>0<br>1<br>3<br>1 | 0<br>0<br>1<br>3<br>2 | 0<br>0<br>1<br>3<br>3 | 0<br>0<br>1<br>3<br>4 | 0<br>0<br>1<br>3<br>5 |                    |

**CARDIOVASCULAR SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel<br>Adventitia, Aorta, Inflammation                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart<br>Cardiomyopathy<br>Inflammation<br>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<br>Degeneration, Cystic<br>Hyperplasia<br>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<br>Hyperplasia  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Islets, Pancreatic  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Parathyroid Gland<br>Hyperplasia  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |
| Pituitary Gland<br>Pars Distalis, Hyperplasia<br>Pars Intermedia, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
|   |   |   |   | 3 |   |   |   | 1 |   |   |   |   |   | 2 |   |   |   |   | 1 |   |   | 1 |   |   | 1 |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |
| Thyroid Gland<br>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

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Species/Strain: RATS/Wistar Han

Lab: BAT

| WISTAR HAN RATS MALE | DAY ON TEST                  | 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 | males (cont...) |
|----------------------|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|-----------------|
|                      |                              | 7 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 |           |                 |
| <b>300 mg/kg</b>     |                              | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 8 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 0         |                 |
|                      |                              | 7 | 8 | 6 | 9 | 8 | 7 | 8 | 7 | 8 | 5 | 8 | 9 | 9 | 8 | 9 | 8 | 8 | 7 | 3 | 9 | 7 | 7 | 7 | 7 | 0         |                 |
|                      |                              | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 0         |                 |
|                      |                              | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 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 | 1         |                 |
|                      | C-cell, Hyperplasia          | 2 | 1 | 1 | 1 | 2 |   |   |   | 1 |   |   | 1 | 1 |   |   | 1 | 1 |   | 1 | 2 |   |   |   |   |           |                 |
|                      | Follicular Cell, Hyperplasia |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 | 3 | 1 | 1 |   |           |                 |

**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

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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 | 0 |   |                    |
|   | 7           | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 6 | 6 | 7 | 7 | 7 |   |                    |
| ANIMAL ID   |             | 2 | 2 | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 8 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 4 | 2 | 2 | 2 | 2 |   |                    |
|   |             | 7 | 8 | 6 | 9 | 8 | 7 | 7 | 8 | 8 | 5 | 8 | 9 | 9 | 8 | 8 | 7 | 3 | 9 | 7 | 7 | 7 | 7 | 9 |   |                    |
|   |             | 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 |   |                    |
|   |             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |   |                    |
|   |             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3 | 3 | 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                  |
| Degeneration, Cystic Hemorrhage<br>Hyperplasia, Plasma Cell                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |                    |
| Lymph Node, Mesenteric Degeneration, Cystic Hemorrhage                              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |                    |
| Spleen Depletion Lymphoid Hematopoietic Cell Proliferation<br>Hyperplasia, Lymphoid |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |                    |
| Thymus  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |                    |
| <b>INTEGUMENTARY SYSTEM</b>   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Mammary Gland   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Skin Cyst Epithelial Inclusion<br>Ulcer   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |                    |
| <b>MUSCULOSKELETAL SYSTEM</b>   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Bone  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| <b>NERVOUS SYSTEM</b>   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |
| Brain   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                    |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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 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 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ANIMAL ID | males<br>(cont...) |    |    |
|----------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------|--------------------|----|----|
|                      | 07          | 07 | 06 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 05 | 07 | 07 | 07 | 07 | 07 | 07 | 06 | 07 |           |                    | 07 | 07 |
| 300 mg/kg            | 27          | 27 | 24 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 28 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 24 | 22 | 22        | 22                 | 22 | 22 |
|                      | 78          | 78 | 66 | 69 | 68 | 67 | 67 | 68 | 67 | 68 | 55 | 68 | 69 | 69 | 68 | 68 | 68 | 67 | 63 | 69 | 67        | 67                 | 67 | 69 |
|                      | 00          | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00        | 00                 | 00 | 00 |
|                      | 11          | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11        | 11                 | 11 | 11 |
|                      | 11          | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 33 | 33 | 33        | 33                 | 33 | 33 |
|                      | 12          | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 00 | 01        | 02                 | 03 | 04 |

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 |   |   |   |   | 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 |
| 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 |
| 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 |
| 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

| WISTAR HAN RATS MALE | DAY ON TEST |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | ANIMAL ID | males<br>(cont...) |
|----------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-----------|--------------------|
|                      | 07          | 07 | 06 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 05 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 06 | 07 | 07 | 07 | 07 |    |           |                    |
| <b>300 mg/kg</b>     | 07          | 07 | 06 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 05 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 06 | 07 | 07 | 07 | 07 | 00 |           |                    |
|                      | 27          | 28 | 24 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 28 | 22 | 22 | 22 | 22 | 22 | 22 | 22 | 24 | 27 | 22 | 22 | 22 | 00 |           |                    |
|                      | 11          | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 00 |           |                    |
|                      | 11          | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 00 |           |                    |
|                      | 12          | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 | 00 |           |                    |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | X |
| Turbinate, Hyperostosis                               |   |   |   |   |   |   | 2 |   | 2 |   | 2 |   |   | 2 | 1 | 1 |   |   | 2 | 1 |   |   | 2 | 2 | 2 |
| Trachea Epithelium, Hyperplasia                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**SPECIAL SENSES SYSTEM**

|                             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye                         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cataract                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |
| Synechia                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |
| Retina, Atrophy             |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   | 4 |   |   |   |   |   |   |   |   |
| Harderian Gland Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

**URINARY SYSTEM**

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

|                             |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |                            |
|-----------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------------------------|
| <b>WISTAR HAN RATS MALE</b> | DAY ON TEST | 07   | 07   | 06   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 05   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 06   | 07   | 07   | 07   | 07   | 07   | <b>males<br/>(cont...)</b> |
|                             | ANIMAL ID   | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 | 0011 |                            |

Urinary Bladder

+ +

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
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| WISTAR HAN RATS MALE | DAY ON TEST |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     | * TOTALS |    |    |
|----------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|----|----|
|                      | 07          | 07  | 06  | 07  | 05  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  |          | 07 |    |
| 300 mg/kg            | 27          | 27  | 20  | 28  | 29  | 28  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22  | 22       | 50 |    |
| ANIMAL ID            | 001         | 001 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000 | 000      | 50 |    |
|                      | 113         | 113 | 133 | 133 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 144 | 155 | 155 | 155 | 155 | 155 | 155 | 155      | 50 |    |
|                      | 67          | 67  | 68  | 69  | 60  | 61  | 62  | 63  | 64  | 65  | 66  | 67  | 68  | 69  | 60  | 61  | 62  | 63  | 64  | 65  | 66       | 67 | 50 |

**ALIMENTARY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |   |     |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Esophagus<br>Muscularis, Degeneration  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 1.0 |
| Intestine Large, Cecum   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |   |     |
| Intestine Large, Colon<br>Parasite Metazoan<br>Epithelium, Necrosis                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 | 2.0 |
| Intestine Large, Rectum<br>Parasite Metazoan                                       | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 4 |     |
| Intestine Small, Duodenum<br>Epithelium, Regeneration<br>Mucosa, Necrosis          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 1 | 2.0 |
| Intestine Small, Ileum<br>Mucosa, Necrosis   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 2 | 1.5 |
| Intestine Small, Jejunum<br>Mucosa, Necrosis<br>Muscularis, Hyperplasia            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 | 2 | 1.0 |
| Liver<br>Angiectasis<br>Basophilic Focus<br>Clear Cell Focus<br>Eosinophilic Focus | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 3 | 1.7 |

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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<br>300 mg/kg               | DAY ON TEST |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            | * TOTALS   |   |   |     |     |    |     |
|---|-------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|---|---|-----|-----|----|-----|
|   | 07<br>27    | 07<br>29   | 06<br>08   | 07<br>08   | 05<br>06   | 07<br>08   | 07<br>09   | 07<br>09   | 07<br>09   | 07<br>09   | 07<br>09   | 07<br>09   | 07<br>09   | 07<br>09   | 07<br>09   | 07<br>09   | 07<br>09   | 07<br>09   | 07<br>09   | 07<br>09   |            |   |   |     |     |    |     |
| ANIMAL ID                                       | 001<br>336  | 000<br>337 | 000<br>338 | 000<br>339 | 000<br>340 | 000<br>341 | 000<br>342 | 000<br>343 | 000<br>344 | 000<br>345 | 000<br>346 | 000<br>347 | 000<br>348 | 000<br>349 | 000<br>350 | 000<br>351 | 000<br>352 | 000<br>353 | 000<br>354 | 000<br>355 | 000<br>356 |   |   |     |     |    |     |
| 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                                |             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |   |   |     |     | 12 |     |
| Necrosis  |             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |   |   |     |     | 2  | 1.5 |
| Pigmentation                                    |             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |   |   |     |     | 1  | 2.0 |
| Vacuolization Cytoplasmic, Focal                |             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |   |   |     |     | 9  |     |
| Bile Duct, Hyperplasia                          |             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |   |   |     |     | 6  | 1.2 |
| Portal, Infiltration Cellular, Mononuclear Cell |             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |   |   |     |     | 2  | 1.5 |
| Mesentery                                       |             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |   |   |     |     | 1  |     |
| Pancreas  |             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |   |   |     |     | 50 |     |
| Pigmentation, Hemosiderin                       |             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |   |   |     |     | 1  | 1.0 |
| Acinus, Atrophy                                 |             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |   |   |     |     | 9  | 1.4 |
| Salivary Glands                                 |             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |   |   |     |     | 50 |     |
| Duct, Cyst                                      |             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |   |   |     |     | 1  | 4.0 |
| Stomach, Forestomach                            |             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |   |   |     |     | 50 |     |
| Epithelium, Degeneration, Hydropic              |             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |   |   |     |     | 1  | 2.0 |
| Epithelium, Hyperplasia                         |             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |   |   |     |     | 7  | 1.6 |
| Stomach, Glandular                              |             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |   |   |     |     | 50 |     |
| Cyst, Squamous                                  |             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |   |   |     |     | 1  |     |
| Mucosa, Hyalinization                           |             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |   |   |     |     | 1  | 1.0 |
| Mucosa, Necrosis                                |             |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |            |   |   |     |     | 3  | 1.7 |

\* .. 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:

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 |
|----------------------|-------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------|
|                      | 07          | 07  | 06  | 07  | 05  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  | 07  |          |
| 300 mg/kg            | 27          | 29  | 08  | 08  | 06  | 02  | 02  | 02  | 02  | 02  | 02  | 02  | 02  | 02  | 02  | 02  | 02  | 02  | 02  | 02  | 02  | 02  | 02  | 02  |          |
| ANIMAL ID            | 001         | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 | 001 |          |
|                      | 336         | 337 | 338 | 339 | 440 | 441 | 442 | 443 | 444 | 445 | 446 | 447 | 448 | 449 | 550 | 551 | 552 | 553 | 554 | 555 | 556 | 557 | 558 | 559 |          |

**CARDIOVASCULAR SYSTEM**

|                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Blood Vessel                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Adventitia, Aorta, Inflammation |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0  |
| Heart                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Cardiomyopathy                  |   | 1 | 1 | 1 | 1 |   |   | 2 | 2 | 1 | 1 | 1 | 1 |   | 1 | 2 | 1 | 2 | 1 |   | 2 | 1 |   | 40 1.3 |
| Inflammation                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 | 1 1.0  |
| Epicardium, Inflammation        |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0  |

**ENDOCRINE SYSTEM**

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |        |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------|
| Adrenal Cortex               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Degeneration, Cystic         |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 1.0  |
| Hyperplasia                  |   | 1 |   |   | 2 | 1 | 1 | 1 |   |   | 1 |   | 2 |   | 2 |   |   |   | 1 |   | 1 |   |   | 25 1.4 |
| Hypertrophy                  |   |   |   |   | 3 | 2 |   |   |   |   |   | 1 | 2 |   |   |   |   |   | 1 |   |   |   | 3 | 14 2.1 |
| Adrenal Medulla              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Hyperplasia                  |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   | 1 | 2 1.5  |
| Islets, Pancreatic           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Parathyroid Gland            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49     |
| Hyperplasia                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0  |
| Pituitary Gland              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Pars Distalis, Hyperplasia   |   | 2 |   | 3 |   |   |   | 2 |   |   |   |   |   | 2 | 4 |   |   | 2 |   |   | 4 |   |   | 13 2.2 |
| Pars Intermedia, Hyperplasia |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0  |
| Thyroid Gland                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50     |
| Amyloid Deposition           |   |   |   |   |   |   |   | 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

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 |    |     |
|------------------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|----|-----|
|                              | 07          | 07 | 06 | 07 | 05 | 07 | 07 | 07 | 07 | 07 | 07 | 02 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 |          | 07 |     |
| 300 mg/kg                    | 27          | 27 | 08 | 02 | 09 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02 | 02       | 30 | 1.4 |
| ANIMAL ID                    | 00          | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00       | 3  | 2.0 |
|                              | 11          | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11 | 11       | 6  |     |
|                              | 33          | 33 | 33 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 34 | 35 | 35 | 35 | 35 | 35 | 35       | 6  |     |
| 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 |     |
| Granuloma Sperm         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 3.0 |
| Preputial Gland         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |
| Prostate                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |
| Epithelium, Hyperplasia |   |   |   |   | 1 | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 6  | 1.3 |
| Seminal Vesicle         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |
| Testes                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |
| Atrophy                 | 2 |   |   |   | 4 |   |   |   |   |   |   | 4 |   | 1 |   |   | 1 |   |   |   |   |   |   | 13 | 2.5 |
| Degeneration, Cystic    | 4 |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   | 3 |   | 7  | 3.7 |

HEMATOPOIETIC SYSTEM

|                        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     |
|------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|
| Bone Marrow            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |     |
| Hyperplasia            |   | 1 | 3 |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   | 11 | 1.4 |
| 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

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

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
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M .. Missing tissue  
A .. Autolysis precludes evaluation  
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1-4 .. Lesion qualified as:  
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Experiment Number: 20203 - 03

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Date Report Requested: 08/21/2013

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Green tea extract

Time Report Requested: 07:54:40

Route: GAVAGE

CAS Number: GREENTEAEXTR

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

Species/Strain: RATS/Wistar Han

Lab: BAT

| WISTAR HAN RATS MALE | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0               |  |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------------|--|
| DAY ON TEST          | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 7 | 7 | 7 | 2 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7               |  |
| <b>300 mg/kg</b>     | 2 | 2 | 0 | 2 | 9 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 0 | 2 | 2 | 2               |  |
| ANIMAL ID            | 7 | 9 | 8 | 8 | 6 | 8 | 9 | 9 | 7 | 4 | 9 | 7 | 7 | 8 | 8 | 9 | 7 | 7 | 1 | 9 | 9 | 9 | 9 |                 |  |
|                      | 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 |                 |  |
|                      | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 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 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | <b>* TOTALS</b> |  |

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 |   |   |    | 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 |   |   |   |   |   |   | 2 |   | 2 |    | 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 |   |   |   | 2 | 2 |    | 34 | 1.4 |
| Lamina Propria, Pigmentation                              |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   | 2 | 2 | 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 |    | 44 | 2.0 |
| Olfactory Epithelium, Accumulation, Hyaline Droplet       |   |   | 1 | 2 |   | 1 | 3 |   | 1 |   |   |   |   |   |   | 1 | 2 | 1 |   | 1 |   |   | 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 |    | 41 | 2.0 |
| Olfactory Epithelium, Hyperplasia, Basal Cell             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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 |    | 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:

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<br>300 mg/kg                     | DAY ON TEST |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | * TOTALS |   |    |    |     |
|---|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|---|----|----|-----|
|   | 07          | 07 | 06 | 07 | 05 | 07 | 07 | 07 | 07 | 07 | 07 | 02 | 07 | 07 | 07 | 07 | 07 | 07 | 07 | 07 |          |   | 07 |    |     |
| ANIMAL ID   | 00          | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00       |   |    |    |     |
| 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  |    |    |    | 1  | 2  |          | 1 |    | 7  | 1.1 |
| Turbinate, Deformity                                  |             | X  | X  |    |    |    | X  |    |    | X  |    |    | X  |    | 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 Epithelium, Hyperplasia                       | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | + | +  | 50 |     |
|   |             |    | 1  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |   |    | 1  | 1.0 |
| <b>SPECIAL SENSES SYSTEM</b>                          |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |   |    |    |     |
| Eye   | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | + | +  | 50 |     |
| Cataract  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |   |    | 1  | 1.0 |
| Synechia  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |   |    | 1  | 4.0 |
| Retina, Atrophy                                       |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |   |    | 2  | 3.0 |
| Harderian Gland Hyperplasia                           | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | + | +  | 50 |     |
|   |             |    |    |    |    |    | 2  |    |    |    |    |    |    |    |    |    |    |    |    |    |          |   |    | 1  | 2.0 |
| <b>URINARY SYSTEM</b>                                 |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |   |    |    |     |
| Kidney  | +           | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +        | + | +  | 50 |     |
| Cyst  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 1  |    |    |    |          |   |    | 2  | 1.5 |
| Hydronephrosis  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |          |   |    | 2  | 1.5 |
| Inflammation  |             | 3  | 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 | 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

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

|                             |  |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
|-----------------------------|--|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
|                             |  | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
|                             |  | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>6<br>0<br>8      | 0<br>7<br>2<br>8      | 0<br>5<br>9<br>6      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>4      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>1      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>9      |                       |
| <b>WISTAR HAN RATS MALE</b> |  | ANIMAL ID             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |
|                             |  | 0<br>0<br>1<br>3<br>6 | 0<br>0<br>1<br>3<br>7 | 0<br>0<br>1<br>3<br>8 | 0<br>0<br>1<br>3<br>9 | 0<br>0<br>1<br>4<br>0 | 0<br>0<br>1<br>4<br>1 | 0<br>0<br>1<br>4<br>2 | 0<br>0<br>1<br>4<br>3 | 0<br>0<br>1<br>4<br>4 | 0<br>0<br>1<br>4<br>5 | 0<br>0<br>1<br>4<br>6 | 0<br>0<br>1<br>4<br>7 | 0<br>0<br>1<br>4<br>8 | 0<br>0<br>1<br>4<br>9 | 0<br>0<br>1<br>5<br>0 | 0<br>0<br>1<br>5<br>1 | 0<br>0<br>1<br>5<br>2 | 0<br>0<br>1<br>5<br>3 | 0<br>0<br>1<br>5<br>4 | 0<br>0<br>1<br>5<br>5 | 0<br>0<br>1<br>5<br>6 | 0<br>0<br>1<br>5<br>7 | 0<br>0<br>1<br>5<br>8 | 0<br>0<br>1<br>5<br>9 |
| Urinary Bladder             |  | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | <b>50</b>             |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
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X .. Lesion present  
I .. Insufficient tissue  
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/21/2013

Test Type: CHRONIC

Green tea extract

Time Report Requested: 07:54:40

Route: GAVAGE

CAS Number: GREENTEAEXTR

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

Species/Strain: RATS/Wistar Han

Lab: BAT

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

ALIMENTARY SYSTEM

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

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

CARDIOVASCULAR SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel<br>Adventitia, Aorta, Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy                                  |   | 2 |   |   | 1 | 1 |   |   | 1 |   | 1 | 1 |   |   |   |   |   | 1 |   | 1 | 2 |   |
| Inflammation                                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Epicardium, Inflammation                        |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Myocardium, Necrosis                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pericardium, Inflammation                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

ENDOCRINE SYSTEM

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hyperplasia                |   |   |   |   |   | 1 |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |
| Hypertrophy                |   |   |   |   |   | 2 |   |   |   |   |   | 2 |   |   |   |   |   | 1 |   |   |   |   |
| Necrosis                   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Adrenal Medulla            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Parathyroid Gland          | + | + | + | + | + | + | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | M |
| Hyperplasia                |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation               |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |
| Pituitary Gland            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Hyperplasia |   |   |   |   |   | 1 |   |   |   |   | 4 |   |   | 2 |   | 2 |   |   |   |   |   |   |
| Thyroid Gland              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 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  
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

|                             |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                            |
|-----------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------|
| <b>WISTAR HAN RATS MALE</b> | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>males<br/>(cont...)</b> |
|                             | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |                            |
|                             | 9           | 6 | 0 | 9 | 2 | 2 | 9 | 1 | 2 | 2 | 2 | 9 | 2 | 2 | 9 | 2 | 2 | 3 | 2 | 0 | 9 | 9 | 5 | 2 | 8 |                            |
| <b>1000 mg/kg</b>           | ANIMAL ID   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>males<br/>(cont...)</b> |
|                             | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |                            |
|                             | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |                            |
|                             | 6           | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 |   |                            |
|                             | 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 |                            |

Hemorrhage  
C-cell, Hyperplasia

1 1 2 1 1 2 1 2 1 2

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Preputial Gland<br>Inflammation                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Prostate<br>Inflammation<br>Epithelium, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Seminal Vesicle<br>Inflammation                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Testes<br>Atrophy<br>Mineralization                 | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

HEMATOPOIETIC SYSTEM

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow<br>Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Lymph Node                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. 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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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Green tea extract

CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013

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

Lab: BAT

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

Mediastinal, Hyperplasia, Lymphoid

Lymph Node, Mandibular  
Degeneration, Cystic  
Hyperplasia, Lymphoid  
Hyperplasia, Plasma Cell

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + |  |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |  |
| 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

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Lab: BAT

|                             |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                            |   |
|-----------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------------|---|
| <b>WISTAR HAN RATS MALE</b> | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | <b>males<br/>(cont...)</b> |   |
|                             | 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 |
|                             | 9           | 6 | 0 | 9 | 2 | 2 | 9 | 1 | 2 | 2 | 2 | 9 | 2 | 2 | 9 | 2 | 2 | 3 | 3 | 2 | 0 | 2 | 9 | 9 | 5 |                            | 2 |
| <b>1000 mg/kg</b>           | ANIMAL ID   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                            |   |
|                             | 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 |
|                             | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1                          | 1 |
|                             | 6           | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8 | 8 | 8 | 8 | 8 | 8                          | 8 |
|                             | 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                          |   |

Cyst 3

**NERVOUS SYSTEM**

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

**RESPIRATORY SYSTEM**

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

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:  
 X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate  
 I .. Insufficient tissue BLANK .. Not examined microscopically 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<br>1000 mg/kg                    | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | males<br>(cont...)    |                       |                       |                       |                       |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |   |  |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|---|--|
|   | 0<br>0<br>9<br>2      | 0<br>6<br>6<br>8      | 0<br>1<br>0<br>9      | 0<br>7<br>9<br>2      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>6<br>9<br>2      | 0<br>6<br>1<br>5      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>8      | 0<br>7<br>2<br>7      | 0<br>5<br>9<br>4      | 0<br>7<br>2<br>7      | 0<br>7<br>2<br>7      | 0<br>0<br>9<br>2      | 0<br>7<br>2<br>8      | 0<br>3<br>3<br>6      | 0<br>7<br>2<br>7      | 0<br>1<br>7<br>9      | 0<br>6<br>9<br>9      |                       | 0<br>3<br>5<br>2      | 0<br>7<br>2<br>8      | 0<br>5<br>2<br>8      |                       |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |   |  |
| ANIMAL ID   | 0<br>0<br>1<br>6<br>1 | 0<br>0<br>1<br>6<br>2 | 0<br>0<br>1<br>6<br>3 | 0<br>0<br>1<br>6<br>4 | 0<br>0<br>1<br>6<br>5 | 0<br>0<br>1<br>6<br>6 | 0<br>0<br>1<br>6<br>7 | 0<br>0<br>1<br>6<br>8 | 0<br>0<br>1<br>6<br>9 | 0<br>0<br>1<br>7<br>0 | 0<br>0<br>1<br>7<br>1 | 0<br>0<br>1<br>7<br>2 | 0<br>0<br>1<br>7<br>3 | 0<br>0<br>1<br>7<br>4 | 0<br>0<br>1<br>7<br>5 | 0<br>0<br>1<br>7<br>6 | 0<br>0<br>1<br>7<br>7 | 0<br>0<br>1<br>7<br>8 | 0<br>0<br>1<br>7<br>9 | 0<br>0<br>1<br>8<br>0 | 0<br>0<br>1<br>8<br>1 | 0<br>0<br>1<br>8<br>2 | 0<br>0<br>1<br>8<br>3 | 0<br>0<br>1<br>8<br>4 | 0<br>0<br>1<br>8<br>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                     | 1                     | 2                     | 1                     | 1                     |                       |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |   |  |
| Lamina Propria, Pigmentation                          | 2                     |                       |                       |                       | 1                     |                       |                       | 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                     |                       | 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<br>1000 mg/kg | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ANIMAL ID | males<br>(cont...) |   |   |   |   |  |
|------------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|--------------------|---|---|---|---|--|
|                                    | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |           |                    | 0 |   |   |   |  |
|                                    | 0           | 6 | 1 | 0 | 7 | 7 | 0 | 6 | 7 | 7 | 7 | 5 | 7 | 7 | 0 | 7 | 7 | 3 | 7 | 1 | 7         | 6                  | 3 | 7 | 5 | 0 |  |
|                                    | 9           | 6 | 0 | 9 | 2 | 2 | 9 | 1 | 2 | 2 | 2 | 9 | 2 | 2 | 9 | 2 | 2 | 3 | 2 | 0 | 9         | 9                  | 5 | 2 | 8 | 0 |  |
|                                    | 2           | 8 | 9 | 2 | 9 | 9 | 2 | 5 | 7 | 8 | 7 | 4 | 7 | 7 | 2 | 8 | 8 | 6 | 7 | 9 | 9         | 9                  | 2 | 8 | 8 | 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 |  |
|                                    | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1         | 1                  | 1 | 1 | 1 | 0 |  |
|                                    | 6           | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 8         | 8                  | 8 | 8 | 8 | 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 | 0 |  |

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trachea Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 4 |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

SPECIAL SENSES SYSTEM

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| Cataract                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Retina, Atrophy              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Harderian Gland Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 1 |

URINARY SYSTEM

|                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Kidney                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Accumulation, Hyaline Droplet        |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Casts Granular                       |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Cyst                                 |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Hydronephrosis                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |  |
| Infarct                              |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Infiltration Cellular, Lipocyte      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |  |
| Inflammation                         |   |   |   |   | 2 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   | 1 |  |
| Nephropathy                          | 1 |   |   |   | 1 |   |   |   |   | 1 | 1 |   | 1 | 1 |   | 1 |   |   |   | 1 |   | 1 |   | 1 | 1 |  |
| Papilla, Necrosis                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Transitional Epithelium, Hyperplasia |   |   |   |   |   |   |   |   |   |   |   |   | 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

|                             |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                            |       |
|-----------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------------------------|-------|
| <b>WISTAR HAN RATS MALE</b> | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |                            |       |
|                             | 0728        | 0462  | 0661  | 0344  | 0059  | 0699  | 0072  | 0392  | 0559  | 0755  | 0322  | 0792  | 0779  | 0226  | 0091  | 0599  | 0022  | 0765  | 0002  | 0722  | 0662  | 0309  | 0772  |                            | 0557  |
| <b>1000 mg/kg</b>           | ANIMAL ID   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | <b>males<br/>(cont...)</b> |       |
| 00186                       | 00088       | 00088 | 00088 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 | 00099 |                            | 00099 |

**ALIMENTARY SYSTEM**

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

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

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

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Date Report Requested: 08/21/2013

Test Type: CHRONIC

Green tea extract

Time Report Requested: 07:54:40

Route: GAVAGE

CAS Number: GREENTEAEXTR

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

Species/Strain: RATS/Wistar Han

Lab: BAT

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

males  
(cont...)

**CARDIOVASCULAR SYSTEM**

|                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Blood Vessel                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Adventitia, Aorta, Inflammation |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Heart                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Cardiomyopathy                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Inflammation                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Epicardium, Inflammation        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |  |
| Myocardium, Necrosis            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Pericardium, Inflammation       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |

**ENDOCRINE SYSTEM**

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Adrenal Cortex             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Hyperplasia                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Hypertrophy                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Necrosis                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Adrenal Medulla            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Islets, Pancreatic         | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Parathyroid Gland          | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Hyperplasia                |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Inflammation               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Pituitary Gland            | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |
| Pars Distalis, Hyperplasia |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Thyroid Gland              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |

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

+ .. Tissue examined microscopically

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<br>1000 mg/kg | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | males<br>(cont...) |  |
|------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|--|
|                                    | 0728        | 0746 | 0763 | 0780 | 0797 | 0814 | 0831 | 0848 | 0865 | 0882 | 0899 | 0916 | 0933 | 0950 | 0967 | 0984 | 1001 | 1018 | 1035 | 1052 | 1069 | 1086 | 1103 | 1120 |           |                    |  |
|                                    | 0           | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0086      |                    |  |
|                                    | 7           | 4    | 6    | 3    | 0    | 6    | 0    | 7    | 3    | 5    | 7    | 0    | 7    | 7    | 2    | 0    | 5    | 0    | 0    | 7    | 6    | 0    | 7    | 5    | 7         | 0087               |  |
|                                    | 2           | 6    | 1    | 4    | 5    | 9    | 9    | 2    | 5    | 5    | 2    | 9    | 2    | 2    | 1    | 9    | 1    | 9    | 9    | 2    | 2    | 9    | 2    | 7    | 2         | 0088               |  |
|                                    | 8           | 2    | 1    | 0    | 3    | 7    | 2    | 9    | 0    | 4    | 8    | 2    | 9    | 9    | 6    | 2    | 3    | 2    | 2    | 9    | 5    | 2    | 7    | 8    | 7         | 0089               |  |
|                                    | 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         | 0090               |  |
|                                    | 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         | 0091               |  |
|                                    | 1           | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2    | 2         | 0092               |  |
|                                    | 8           | 8    | 8    | 8    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0         | 0093               |  |
|                                    | 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         | 0094               |  |

Hemorrhage  
C-cell, Hyperplasia

1

1

2

1

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

|                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Epididymis                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Preputial Gland<br>Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Prostate<br>Inflammation        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 4 | + |
| Epithelium, Hyperplasia         | 1 |   |   |   |   |   |   |   |   |   | 1 |   | 1 |   |   |   |   |   |   |   |   | 2 |   | 1 |
| Seminal Vesicle<br>Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Testes<br>Atrophy               | 4 |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Mineralization                  |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |

HEMATOPOIETIC SYSTEM

|                            |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow<br>Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|                            |   | 1 | 2 |   | 1 | 1 |   |   |   | 2 |   |   |   |   | 1 |   |   |   |   |   |   |   |   | 2 |
| Lymph Node                 |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. 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<br>1000 mg/kg   | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | males<br>(cont...) |      |  |  |
|--|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|------|--|--|
|  | 0728        | 0742 | 0761 | 0734 | 0705 | 0766 | 0707 | 0737 | 0755 | 0725 | 0755 | 0748 | 0702 | 0777 | 0777 | 0721 | 0700 | 0755 | 0700 | 0707 | 0766 | 0707 | 0755 | 0727 |           |                    | 0757 |  |  |
| Mediastinal, Hyperplasia, Lymphoid   | 2           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                    |      |  |  |
| Lymph Node, Mandibular Degeneration, Cystic Hyperplasia, Lymphoid Hyperplasia, Plasma Cell | +           | M    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         |                    |      |  |  |
|  | 1           |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      | 3    |      |      |      |      |      |      |      |      |           |                    |      |  |  |
| Lymph Node, Mesenteric Atrophy Degeneration, Cystic  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         |                    |      |  |  |
|  | 3           |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                    |      |  |  |
| Spleen Depletion Lymphoid Hematopoietic Cell Proliferation                                 | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         |                    |      |  |  |
|  | 2           |      | 1    |      | 2    |      | 3    |      | 3    |      |      |      |      |      | 3    |      |      | 2    |      |      | 2    |      |      | 1    |           |                    |      |  |  |
| Thymus Atrophy Hyperplasia Inflammation  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         |                    |      |  |  |
| <b>INTEGUMENTARY SYSTEM</b>  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                    |      |  |  |
| Mammary Gland  | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         | +                  |      |  |  |
| Skin   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         | +                  |      |  |  |
| <b>MUSCULOSKELETAL SYSTEM</b>  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                    |      |  |  |
| Bone   | +           | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +    | +         | +                  |      |  |  |
| Skeletal Muscle  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |           |                    |      |  |  |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
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1) Minimal 3) Moderate  
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|   |            |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |
|---|------------|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--------------------|
| WISTAR HAN RATS MALE                              | 1000 mg/kg | DAY ON TEST                                       |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | males<br>(cont...) |
|   |            | 0 | 7 4 6 3 0 6 0 7 3 5 7 0 7 7 2 0 5 0 0 7 6 0 7 5 7 | 2 6 1 4 5 9 9 2 5 5 2 9 2 2 1 9 1 9 9 2 2 9 2 7 2 | 8 2 1 0 3 7 2 9 0 4 8 2 9 6 2 3 2 2 5 2 9 2 8 2   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |
|   |            | 0 | 0 | 1 1 1 1 1 1 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2 2   | 8 8 8 8 9 9 9 9 9 9 9 9 9 0 0 0 0 0 0 0 0 0 0 0 0 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |
| 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 |            |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |                    |

Cyst

**NERVOUS SYSTEM**

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

**RESPIRATORY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| Lung  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |  |
| Hemorrhage  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| Inflammation, Suppurative                             |   | 4 |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |  |
| 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  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
| 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          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |  |
| Epithelium, Nasopharyngeal Duct, Metaplasia, Squamous |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |  |
| Epithelium, Nasopharyngeal Duct, Necrosis             |   |   |   |   | 3 |   |   |   |   | 1 |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |  |

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 + .. Tissue examined microscopically  
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 I .. Insufficient tissue

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 1) Minimal 3) Moderate  
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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 MALE | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | ANIMAL ID | males<br>(cont...) |      |      |      |      |      |      |
|----------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-----------|--------------------|------|------|------|------|------|------|
|                      | 0728        | 0462 | 0611 | 0345 | 0069 | 0069 | 0072 | 0073 | 0055 | 0072 | 0077 | 0077 | 0021 | 0091 | 0011 | 0059 | 0009 | 0009 | 0072 | 0060 |           |                    | 0075 | 0007 | 0057 | 0072 | 0078 | 0072 |
| 1000 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    |
|                      | 1           | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1         | 1                  | 1    | 1    | 1    | 1    | 1    | 1    |
|                      | 8           | 8    | 8    | 8    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9    | 9         | 9                  | 9    | 9    | 9    | 9    | 9    | 9    |
|                      | 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    | 0    |      |

Epithelium, Nasopharyngeal Duct, Pigmentation

1

Epithelium, Nasopharyngeal Duct, Regeneration

Goblet Cell, Hyperplasia

Lamina Propria, Mineralization

1 1 2 3 1 2 1 2 3 2 1 2 1 3 2

Lamina Propria, Pigmentation

4 2 3 2 3 3 3 4 2 4 2 1

Nasopharyngeal Duct, Foreign Body

X X X

Nasopharyngeal Duct, Inflammation, Suppurative

1 2 3 3 3 3 1 1 3 1 3 3

Nasopharyngeal Duct, Mineralization

1

Nerve, Atrophy

3 2 2 2 3 3 2 3 2 3 3 2 2 3 2 3 1 3 3 3

Olfactory Epithelium, Accumulation, Hyaline Droplet

1

Olfactory Epithelium, Atrophy

1 2 3 3 2 1 2 3 1 1 3 2 3 2 1 1 2 2 1

Olfactory Epithelium, Hyperplasia, Basal Cell

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

Olfactory Epithelium, Metaplasia, Respiratory

3 3 3 2 3 3 4 2 3 2 3 3 2 3 2 3 2 3 3 3

Olfactory Epithelium, Necrosis

3 3 2 1 3 1 1 3 1 1 2 1 2 2 2

Olfactory Epithelium, Pigmentation

3 1 1 3 1 1 2 1 2 2

Olfactory Epithelium, Squamous Metaplasia

1

Olfactory Epithelium, Ulcer

Respiratory Epithelium, Accumulation, Hyaline Droplet

1 1

Respiratory Epithelium, Atrophy

Respiratory Epithelium, Degeneration

3

Respiratory Epithelium, Hyperplasia

1 2 1

Respiratory Epithelium, Metaplasia, Squamous

2 2 1 1

Respiratory Epithelium, Necrosis

2 3 3 3

Respiratory Epithelium, Pigmentation

1 1 2 2

Turbinate, Deformity

X X X X X X X X X X X X X X X

Turbinate, Hyperostosis

2 2 2 1 2 2 1 3 2 1 1 3 4 2 1

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Green tea extract

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

Lab: BAT

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

males (cont...)

|                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Trachea Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|                      |   |   |   |   |   | 2 |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

SPECIAL SENSES SYSTEM

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Eye                          | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cataract                     |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Retina, Atrophy              |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Harderian Gland Inflammation | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |

URINARY SYSTEM

|                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Kidney                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Accumulation, Hyaline Droplet        |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Casts Granular                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Cyst                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |
| Hydronephrosis                       |   |   |   |   |   |   |   |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Infarct                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Infiltration Cellular, Lipocyte      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation                         |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   | 4 |   |   |
| Nephropathy                          | 1 |   | 1 |   |   |   |   | 1 |   |   | 2 |   | 1 | 1 |   |   | 1 |   |   | 1 | 1 |   | 1 |   | 1 |
| Papilla, Necrosis                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |
| Transitional Epithelium, Hyperplasia |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |
| Urinary Bladder                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Transitional Epithelium, Hyperplasia |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |

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Lab: BAT

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

**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

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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 MALE<br>1000 mg/kg | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID |  |  |                  |
|------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|--|--|------------------|
|                                    | 0<br>4<br>6<br>3 | 0<br>7<br>2<br>9 | 0<br>6<br>6<br>5 | 0<br>5<br>8<br>5 | 0<br>7<br>2<br>0 | 0<br>5<br>8<br>9 | 0<br>7<br>2<br>4 | 0<br>5<br>8<br>9 | 0<br>7<br>2<br>9 | 0<br>1<br>9<br>2 |           |  |  | 0<br>7<br>2<br>7 |
|                                    | 0                | 0                | 0                | 0                | 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                | 2                | 2         |  |  |                  |
|                                    | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 1                | 2         |  |  |                  |
|                                    | 1                | 2                | 3                | 4                | 5                | 6                | 7                | 8                | 9                | 0                |           |  |  | <b>* TOTALS</b>  |
| 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

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

**CARDIOVASCULAR SYSTEM**

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

**ENDOCRINE SYSTEM**

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

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+ .. Tissue examined microscopically

X .. Lesion present

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Experiment Number: 20203 - 03

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Green tea extract

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Lab: BAT

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

Hemorrhage  
C-cell, Hyperplasia

3 1

1 2.0  
15 1.4

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

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

**HEMATOPOIETIC SYSTEM**

|                            |   |   |   |   |   |   |   |   |   |   |    |        |
|----------------------------|---|---|---|---|---|---|---|---|---|---|----|--------|
| Bone Marrow<br>Hyperplasia | + | + | + | + | + | + | + | + | + | + | 60 | 13 1.7 |
| Lymph Node                 |   |   |   |   |   |   |   |   |   |   | 1  |        |

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+ .. Tissue examined microscopically  
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I .. Insufficient tissue  
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Experiment Number: 20203 - 03

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**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

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 |   |   |   |   |   |   |   |   |   | ANIMAL ID |
|----------------------|-------------|---|---|---|---|---|---|---|---|---|-----------|
|                      | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |           |
|                      | 4           | 7 | 6 | 5 | 5 | 7 | 5 | 7 | 1 | 7 |           |
|                      | 6           | 2 | 6 | 2 | 8 | 2 | 8 | 2 | 9 | 2 |           |
|                      | 3           | 9 | 5 | 5 | 0 | 9 | 4 | 9 | 2 | 7 |           |
|                      | 0           | 0 | 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 | 2 |           |
|                      | 1           | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |           |
|                      | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |           |
| <b>* TOTALS</b>      |             |   |   |   |   |   |   |   |   |   |           |

|                                    |   |   |   |   |   |   |   |   |   |   |               |
|------------------------------------|---|---|---|---|---|---|---|---|---|---|---------------|
| Mediastinal, Hyperplasia, Lymphoid |   |   |   |   |   |   |   |   |   |   | <b>1 2.0</b>  |
| Lymph Node, Mandibular             | + | + | + | + | + | + | + | + | + | + | <b>58</b>     |
| Degeneration, Cystic               |   | 2 |   |   |   | 3 |   |   |   |   | <b>3 2.3</b>  |
| Hyperplasia, Lymphoid              |   |   |   |   |   | 2 |   |   |   |   | <b>1 2.0</b>  |
| Hyperplasia, Plasma Cell           |   |   |   |   |   |   |   |   |   |   | <b>7 1.9</b>  |
| Lymph Node, Mesenteric             | + | + | + | + | + | + | + | + | + | + | <b>60</b>     |
| Atrophy                            |   |   |   |   |   |   |   |   |   |   | <b>1 3.0</b>  |
| Degeneration, Cystic               |   |   |   |   |   |   |   |   |   |   | <b>1 2.0</b>  |
| Spleen                             | + | + | + | + | + | + | + | + | + | + | <b>60</b>     |
| Depletion Lymphoid                 | 1 |   | 2 |   |   |   |   |   |   |   | <b>13 2.2</b> |
| Hematopoietic Cell Proliferation   |   |   |   |   |   |   |   |   |   |   | <b>1 1.0</b>  |
| Thymus                             | + | + | + | + | + | + | + | + | + | + | <b>60</b>     |
| Atrophy                            |   |   |   |   |   |   |   |   |   |   | <b>1 1.0</b>  |
| Hyperplasia                        |   |   |   |   |   |   |   |   | 2 |   | <b>1 2.0</b>  |
| Inflammation                       | 3 |   |   |   |   |   |   |   |   |   | <b>1 3.0</b>  |

**INTEGUMENTARY SYSTEM**

|               |   |   |   |   |   |   |   |   |   |   |           |
|---------------|---|---|---|---|---|---|---|---|---|---|-----------|
| Mammary Gland | + | + | + | + | + | + | + | + | + | + | <b>60</b> |
| Skin          | + | + | + | + | + | + | + | + | + | + | <b>60</b> |

**MUSCULOSKELETAL SYSTEM**

|                 |   |   |   |   |   |   |   |   |   |   |           |
|-----------------|---|---|---|---|---|---|---|---|---|---|-----------|
| Bone            | + | + | + | + | + | + | + | + | + | + | <b>60</b> |
| Skeletal Muscle |   |   |   |   |   |   |   |   |   |   | <b>1</b>  |

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|                             |             |   |   |   |   |   |   |   |   |   |  |   |
|-----------------------------|-------------|---|---|---|---|---|---|---|---|---|--|---|
| <b>WISTAR HAN RATS MALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |  |   |
|                             |             | 4 | 7 | 6 | 5 | 5 | 7 | 5 | 7 | 1 |  | 7 |
|                             |             | 6 | 2 | 6 | 2 | 8 | 2 | 8 | 2 | 9 |  | 2 |
|                             |             | 3 | 9 | 5 | 5 | 0 | 9 | 4 | 9 | 2 |  | 7 |
| <b>1000 mg/kg</b>           | 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 |  |   |
|                             |             | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |  |   |
|                             |             | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |  | 0 |

\* 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, Histiocyte           |   | 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  |

\* .. 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 | WISTAR HAN RATS MALE | 1000 mg/kg | ANIMAL ID       |     |   |   |   |   |   |   |    |     |     |     |     |
|---|---|---|---|---|---|---|---|---|---|---|----------------------|------------|-----------------|-----|---|---|---|---|---|---|----|-----|-----|-----|-----|
|   | 4 | 7 | 6 | 5 | 5 | 7 | 5 | 7 | 1 | 7 |                      |            |                 |     |   |   |   |   |   |   |    |     |     |     |     |
|   | 6 | 2 | 6 | 2 | 8 | 2 | 8 | 2 | 9 | 2 |                      |            |                 |     |   |   |   |   |   |   |    |     |     |     |     |
|   | 3 | 9 | 5 | 5 | 0 | 9 | 4 | 9 | 2 | 7 |                      |            |                 |     |   |   |   |   |   |   |    |     |     |     |     |
|   | 0 | 0 | 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 | 2 |                      |            |                 |     |   |   |   |   |   |   |    |     |     |     |     |
|   | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 |                      |            |                 |     |   |   |   |   |   |   |    |     |     |     |     |
|   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |                      |            |                 |     |   |   |   |   |   |   |    |     |     |     |     |
|   |   |   |   |   |   |   |   |   |   |   |                      |            | <b>* TOTALS</b> |     |   |   |   |   |   |   |    |     |     |     |     |
| 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 |

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+ .. Tissue examined microscopically

X .. Lesion present

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1-4 .. Lesion qualified as:

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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 MALE | DAY ON TEST |   |   |   |   |   |   |   |   |   | ANIMAL ID |
|----------------------|-------------|---|---|---|---|---|---|---|---|---|-----------|
|                      | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |           |
|                      | 4           | 7 | 6 | 5 | 5 | 7 | 5 | 7 | 1 | 7 |           |
|                      | 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 |           |
|                      | 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 |           |
| <b>* TOTALS</b>      |             |   |   |   |   |   |   |   |   |   |           |

|                      |   |   |   |   |   |   |   |   |   |   |    |   |     |
|----------------------|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Trachea Inflammation | + | + | + | + | + | + | + | + | + | + | 60 | 3 | 2.7 |
|----------------------|---|---|---|---|---|---|---|---|---|---|----|---|-----|

**SPECIAL SENSES SYSTEM**

|                              |   |   |   |   |   |   |   |   |   |   |    |   |     |
|------------------------------|---|---|---|---|---|---|---|---|---|---|----|---|-----|
| Eye                          | + | + | + | + | + | + | + | + | + | + | 60 |   |     |
| Cataract                     |   |   |   |   |   | 3 |   |   |   |   |    | 1 | 3.0 |
| Retina, Atrophy              |   |   |   |   |   |   |   |   |   |   |    | 1 | 2.0 |
| Harderian Gland Inflammation | + | + | + | + | + | + | + | + | + | + | 60 | 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  
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Experiment Number: 20203 - 03

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Green tea extract

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

Lab: BAT

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\*\*\* END OF MALE DATA \*\*\*

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

**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 |
| 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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Green tea extract

CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013

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

Lab: BAT

| WISTAR HAN RATS FEMALE<br>0 mg/kg               | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |  | ANIMAL ID | females<br>(cont...) |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|-----------|----------------------|
|   | 0<br>0<br>9<br>2 | 0<br>7<br>3<br>0 | 0<br>7<br>1<br>9 | 0<br>5<br>4<br>0 | 0<br>7<br>3<br>0 | 0<br>5<br>6<br>1 | 0<br>6<br>4<br>5 | 0<br>5<br>5<br>4 | 0<br>0<br>9<br>2 | 0<br>7<br>0<br>1 | 0<br>6<br>8<br>8 | 0<br>5<br>9<br>7 | 0<br>6<br>7<br>4 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>5<br>6<br>6 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>2<br>9 |  |           |                      |
| Necrosis  |                  |                  |                  | 2                |                  |                  |                  |                  |                  | 4                |                  |                  |                  | 2                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |  |           |                      |
| Pigmentation                                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |  |           |                      |
| Vacuolization Cytoplasmic, Focal                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | X                | X                |                  |                  |                  |                  |                  |                  |                  | X                |  |           |                      |
| Bile Duct, Hyperplasia                          |                  | 1                | 1                |                  |                  | 1                |                  |                  |                  | 1                | 2                |                  | 1                | 1                |                  | 1                | 2                |                  |                  | 1                | 1                | 1                |                  | 1                |  |           |                      |
| Bile Duct, Hyperplasia, Cystic                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |  |           |                      |
| Hepatocyte, Regeneration                        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |  |           |                      |
| Oval Cell, Hyperplasia                          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |  |           |                      |
| Portal, Infiltration Cellular, Mononuclear Cell |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |  |           |                      |
| Mesentery                                       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |  |           |                      |
| Necrosis  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | +                | +                |                  |                  |                  |                  |                  |                  |                  |                  |  |           |                      |
| Oral Mucosa                                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |  |           |                      |
|   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |  |           |                      |
| Pancreas  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |  |           |                      |
| Inflammation                                    | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |  |           |                      |
| Acinus, Atrophy                                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1                |                  |  |           |                      |
| 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

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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 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ANIMAL ID | females<br>(cont...) |   |
|------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|---|
|                        | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |           |                      | 0 |
| 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 |
|                        | 7           | 7 | 7 | 5 | 7 | 5 | 6 | 5 | 0 | 7 | 6 | 5 | 6 | 7 | 7 | 7 | 7 | 7 | 5 | 7 | 7         | 0                    | 0 |
|                        | 9           | 3 | 1 | 4 | 3 | 6 | 4 | 5 | 9 | 0 | 8 | 9 | 7 | 2 | 3 | 3 | 2 | 3 | 6 | 3 | 2         | 0                    | 0 |
|                        | 2           | 0 | 9 | 0 | 0 | 1 | 5 | 4 | 2 | 1 | 8 | 7 | 4 | 9 | 0 | 0 | 9 | 0 | 6 | 9 | 9         | 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 |
|                        | 2           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2         | 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 |

Epithelium, Degeneration  
Epithelium, Hyperplasia

2

CARDIOVASCULAR SYSTEM

Blood Vessel

+ +

Heart

+ +

Cardiomyopathy  
Inflammation

1 1 2 1 1 2 1 1 2

ENDOCRINE SYSTEM

Adrenal Cortex

+ +

Degeneration, Cystic  
Hyperplasia  
Hypertrophy  
Necrosis

2 1 1 1 2 2 1 2 1

Adrenal Medulla

+ +

Hyperplasia

1

Islets, Pancreatic

+ +

Parathyroid Gland

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

Pituitary Gland

+ +

Pars Distalis, Cyst  
Pars Distalis, Hyperplasia  
Pars Intermedia, Hyperplasia

2 1 4 2 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

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Experiment Number: 20203 - 03

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Green tea extract

CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013

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

Lab: BAT

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

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Thyroid Gland                | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |
| C-cell, Hyperplasia          |   | 1 | 1 |   | 1 | 2 |   |   |   |   |   | 1 | 1 |   | 1 | 1 | 1 |   | 2 | 1 |   | 1 | 2 |
| Follicular Cell, Hyperplasia |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Clitoral Gland Inflammation  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  | 2 |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Ovary Cyst Inflammation  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   |   |   |   |   |   |   |   | 4 |   |   | 2 |   |   | 3 |   |   |   | 3 |   |   |
| Oviduct  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Uterus Hemorrhage Inflammation Cervix, Fibrosis Endometrium, Hyperplasia, Cystic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   | 3 |   | 1 |
| Vagina   |   |   |   |   |   |   |   |   |   | + |   |   |   |   |   |   |   |   |   |   |   |   |

**HEMATOPOIETIC SYSTEM**

|             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:  
 X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate  
 I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

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

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

Lab: BAT

| WISTAR HAN RATS FEMALE<br>0 mg/kg   | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   | ANIMAL ID | females<br>(cont...) |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---|-----------|----------------------|
|   | 0<br>0<br>9<br>2 | 0<br>7<br>3<br>0 | 0<br>7<br>1<br>9 | 0<br>5<br>4<br>0 | 0<br>7<br>3<br>0 | 0<br>5<br>6<br>1 | 0<br>6<br>4<br>5 | 0<br>5<br>5<br>4 | 0<br>0<br>9<br>2 | 0<br>7<br>0<br>1 | 0<br>6<br>8<br>8 | 0<br>5<br>9<br>7 | 0<br>6<br>7<br>4 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>6 | 0<br>5<br>6<br>9 | 0<br>2<br>3<br>0 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 |   |           |                      |
| Hyperplasia   |                  |                  |                  |                  |                  | 2                |                  |                  |                  | 2                | 2                |                  |                  |                  |                  |                  |                  |                  |                  | 1                |                  |                  |                  |                  |   |           |                      |
| Lymph Node<br>Mediastinal, Hyperplasia  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | +                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | + | 4         |                      |
| Lymph Node, Mandibular<br>Degeneration, Cystic<br>Hyperplasia, Plasma Cell                            |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |           |                      |
| Lymph Node, Mesenteric  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |           |                      |
| Spleen<br>Hematopoietic Cell Proliferation<br>Hyperplasia, Lymphoid<br>Lymphoid Follicle, Hyperplasia |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |           |                      |
| Thymus  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |           |                      |
| <b>INTEGUMENTARY SYSTEM</b>   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |           |                      |
| Mammary Gland<br>Hyperplasia  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |           |                      |
| Skin<br>Hyperkeratosis  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |           |                      |
| <b>MUSCULOSKELETAL SYSTEM</b>   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |           |                      |
| Bone  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |           |                      |
| <b>NERVOUS SYSTEM</b>   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |   |           |                      |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
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Experiment Number: 20203 - 03

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Green tea extract

CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013

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

Lab: BAT

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

|                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Peripheral Nerve         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Spinal Cord Degeneration |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

**RESPIRATORY SYSTEM**

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

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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

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

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  
 1 2  
 1 3  
 1 1 1 1  
 2 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

Experiment Number: 20203 - 03

Test Type: CHRONIC

Route: GAVAGE

Species/Strain: RATS/Wistar Han

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Green tea extract

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

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

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Lab: BAT

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

ALIMENTARY SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Esophagus<br>Muscularis, Degeneration                                  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Cecum<br>Inflammation<br>Lymphoid Tissue, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Colon<br>Parasite Metazoan                            | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| Intestine Large, Rectum<br>Parasite Metazoan                           | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
| 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 |
| 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 |   |   |   |   |   |   |   |   |   |   |   |   |

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

Necrosis

Pigmentation

Vacuolization Cytoplasmic, Focal

Bile Duct, Hyperplasia

Bile Duct, Hyperplasia, Cystic

Hepatocyte, Regeneration

Oval Cell, Hyperplasia

Portal, Infiltration Cellular, Mononuclear Cell

3

X X

1 2

3

1

1

Mesentery

Necrosis

+

3

+

3

+

3

Oral Mucosa

Pancreas

Inflammation

Acinus, Atrophy

+ +

1

2

Salivary Glands

Inflammation

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

Stomach, Forestomach

Erosion

Inflammation

Ulcer

Epithelium, Hyperkeratosis

Epithelium, Hyperplasia

+ +

4

2

2

1

2

4

3

2

Stomach, Glandular

Inflammation

Mineralization

+ +

1

2

1

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+ .. Tissue examined microscopically

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

Epithelium, Degeneration  
Epithelium, Hyperplasia

3

CARDIOVASCULAR SYSTEM

Blood Vessel

+ +

Heart

+ +

Cardiomyopathy  
Inflammation

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

ENDOCRINE SYSTEM

Adrenal Cortex

+ +

Degeneration, Cyst

Hyperplasia

Hypertrophy

Necrosis

2 2

Adrenal Medulla

+ +

Hyperplasia

1

Islets, Pancreatic

+ +

Parathyroid Gland

+ +

Pituitary Gland

Pars Distalis, Cyst

Pars Distalis, Hyperplasia

Pars Intermedia, Hyperplasia

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

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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 | 0 |           |                      |
|                                   | 0           | 6 | 6 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 3 | 6 | 0 | 0 | 5 | 4 | 7 | 0 | 7 | 0 | 0 | 7         |                      |
|                                   | 9           | 4 | 0 | 3 | 9 | 3 | 4 | 2 | 2 | 3 | 0 | 3 | 3 | 4 | 2 | 9 | 9 | 0 | 9 | 2 | 9 | 2 | 9 | 1 | 8         |                      |
|                                   | 2           | 5 | 8 | 0 | 8 | 0 | 8 | 9 | 9 | 0 | 0 | 0 | 0 | 1 | 8 | 2 | 2 | 6 | 5 | 9 | 2 | 2 | 2 | 8 |           |                      |
|                                   | 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 |           |                      |
|                                   | 2           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 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 | 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 |           |                      |

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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<br>Inflammation   | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 | 2 |   |
| Ovary<br>Cyst<br>Inflammation  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   | 2 |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |
| Oviduct  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |
| Uterus<br>Hemorrhage<br>Inflammation<br>Cervix, Fibrosis<br>Endometrium, Hyperplasia, Cystic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|  |   |   |   |   |   | 2 |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   | 2 |
|  |   | 4 |   |   | 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  
 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      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID        | females<br>(cont...) |                  |                  |                  |                  |                  |                  |                  |  |
|------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|----------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|--|
|                        | 0<br>9<br>2      | 0<br>6<br>4<br>5 | 0<br>6<br>0<br>8 | 0<br>7<br>3<br>0 | 0<br>6<br>9<br>8 | 0<br>7<br>3<br>0 | 0<br>6<br>4<br>8 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>3<br>4<br>1 | 0<br>6<br>2<br>8 | 0<br>0<br>9<br>2 | 0<br>0<br>9<br>2 | 0<br>5<br>0<br>6 | 0<br>4<br>9<br>5 | 0<br>7<br>2<br>9 | 0<br>0<br>9<br>2 | 0<br>7<br>9<br>2 | 0<br>0<br>9<br>2 | 0<br>0<br>9<br>2 |                  |                      | 0<br>7<br>9<br>2 | 0<br>0<br>9<br>2 |                  |                  |                  |                  |                  |  |
| 0 mg/kg                | 0<br>0<br>4<br>6 | 0<br>0<br>4<br>7 | 0<br>0<br>4<br>8 | 0<br>0<br>4<br>9 | 0<br>0<br>5<br>0 | 0<br>0<br>5<br>1 | 0<br>0<br>5<br>2 | 0<br>0<br>5<br>3 | 0<br>0<br>5<br>4 | 0<br>0<br>5<br>5 | 0<br>0<br>5<br>6 | 0<br>0<br>5<br>7 | 0<br>0<br>5<br>8 | 0<br>0<br>5<br>9 | 0<br>0<br>6<br>0 | 0<br>0<br>6<br>1 | 0<br>0<br>6<br>2 | 0<br>0<br>6<br>3 | 0<br>0<br>6<br>4 | 0<br>0<br>6<br>5 | 0<br>0<br>6<br>6 | 0<br>0<br>6<br>7 | 0<br>0<br>6<br>8 | 0<br>0<br>6<br>9 | 0<br>0<br>6<br>0 | 0<br>0<br>6<br>1 | 0<br>0<br>6<br>2     | 0<br>0<br>6<br>3 | 0<br>0<br>6<br>4 | 0<br>0<br>6<br>5 | 0<br>0<br>6<br>6 | 0<br>0<br>6<br>7 | 0<br>0<br>6<br>8 | 0<br>0<br>6<br>9 |  |

Hyperplasia 2 1

Lymph Node Mediastinal, Hyperplasia +

Lymph Node, Mandibular Degeneration, Cystic Hyperplasia, Plasma Cell + + + + + + + + + + + + M + + + + + + + + 2 2

Lymph Node, Mesenteric +

Spleen Hematopoietic Cell Proliferation Hyperplasia, Lymphoid Lymphoid Follicle, Hyperplasia + + + + + + 2 2 2 2 + + + + + + + + + + 2 + + + + + +

Thymus + + + + + + + + + + + + + + + + M + + + + + +

**INTEGUMENTARY SYSTEM**

Mammary Gland Hyperplasia + 1

Skin Hyperkeratosis +

**MUSCULOSKELETAL SYSTEM**

Bone +

**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  
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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 | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  | females<br>(cont...) |
|------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|----------------------|
|                        | 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 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 |  |                      |
|                        | 2           | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 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 | 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 |  |                      |

|                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain                    | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Peripheral Nerve         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Spinal Cord Degeneration |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

RESPIRATORY SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation, Suppurative                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Chronic Active                                   |   |   |   |   |   |   | 2 | 1 |   | 1 |   | 1 |   | 1 |   | 1 |   | 1 | 1 | 1 |   |   |   |   |
| Alveolar Epithelium, Hyperplasia                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |
| Alveolus, Infiltration Cellular, Histiocyte                    |   |   | 1 | 1 |   | 1 | 3 | 1 |   | 1 |   | 1 |   | 1 |   |   |   |   | 1 |   | 2 |   |   |   |
| Nose   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Foreign Body   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Suppurative                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Epithelium, Goblet Cell, Nasopharyngeal Duct, Hyperplasia      |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |
| Epithelium, Nasopharyngeal Duct, Accumulation, Hyaline Droplet |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lamina Propria, Mineralization                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lamina Propria, Pigmentation                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |
| Nasopharyngeal Duct, Foreign Body                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Olfactory Epithelium, Accumulation, Hyaline Droplet            |   | 2 |   |   |   | 1 | 3 |   | 3 | 3 |   | 2 | 1 | 1 | 1 |   |   |   |   | 1 |   |   |   |   |
| Olfactory Epithelium, Atrophy                                  |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Olfactory Epithelium, Metaplasia, Respiratory                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Respiratory Epithelium, Accumulation, Hyaline Droplet          |   | 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 M .. Missing tissue  
X .. Lesion present A .. Autolysis precludes evaluation  
I .. Insufficient tissue BLANK .. Not examined microscopically  
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Experiment Number: 20203 - 03

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Date Report Requested: 08/21/2013

Test Type: CHRONIC

Green tea extract

Time Report Requested: 07:54:40

Route: GAVAGE

CAS Number: GREENTEAEXTR

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

Species/Strain: RATS/Wistar Han

Lab: BAT

| DAY ON TEST                                     |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | females<br>(cont...) |   |   |
|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|---|---|
| WISTAR HAN RATS FEMALE                          |  | 0 | 6 | 6 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 7 | 3 | 6 | 0 | 0 | 5 | 4 | 7 | 0 | 7 | 0 | 0 | 7 |                      |   |   |
| 0 mg/kg   |  | 9 | 4 | 0 | 3 | 9 | 3 | 4 | 2 | 2 | 3 | 0 | 3 | 3 | 4 | 2 | 9 | 9 | 0 | 9 | 2 | 9 | 9 | 9 | 1 |                      |   |   |
| ANIMAL ID                                       |  | 2 | 5 | 8 | 0 | 8 | 0 | 8 | 9 | 9 | 0 | 0 | 0 | 1 | 8 | 2 | 2 | 6 | 5 | 9 | 2 | 2 | 2 | 8 |   |                      |   |   |
| Respiratory Epithelium, Degeneration            |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1                    |   |   |
| Respiratory Epithelium, Hyperplasia             |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      | 1 |   |
| Respiratory Epithelium, Hyperplasia, Basal Cell |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      | 2 |   |
| Respiratory Epithelium, Metaplasia, Squamous    |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |
| Trachea   |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +                    |   |   |
| Glands, Cyst                                    |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      | 1 |   |
| <b>SPECIAL SENSES SYSTEM</b>                    |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |
| Eye   |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | +                    |   |   |
| Anterior Chamber, Hemorrhage                    |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |
| Cornea, Inflammation                            |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |
| Optic Nerve, Degeneration                       |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |
| Harderian Gland                                 |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | +                    |   |   |
| Inflammation                                    |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |   | 2 |
| <b>URINARY SYSTEM</b>                           |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |
| Kidney  |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +                    |   |   |
| Cyst  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |
| Hydronephrosis                                  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |
| Inflammation                                    |  |   |   | 1 |   |   | 2 |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |   | 2 |
| Necrosis  |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |
| Nephropathy                                     |  |   |   | 1 |   |   |   |   | 1 |   |   | 1 | 1 |   | 1 |   | 1 |   |   |   |   |   |   |   |   |                      |   | 2 |
| Papilla, Necrosis                               |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |   | 1 |
| Pelvis, Dilatation                              |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |   |   |
| Transitional Epithelium, Hyperplasia            |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |   | 1 |
| Urinary Bladder                                 |  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | +                    | + |   |

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

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 .. Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

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 |
|-------------------------------|----------------|---|---|---|---|---|---|---|---|---|---|
| <b>WISTAR HAN RATS FEMALE</b> |                | 6 | 3 | 6 | 0 | 7 | 7 | 0 | 7 | 7 | 6 |
|                               |                | 6 | 7 | 3 | 9 | 2 | 3 | 9 | 2 | 2 | 7 |
|                               |                | 7 | 2 | 2 | 2 | 9 | 0 | 2 | 9 | 9 | 8 |
|                               | <b>0 mg/kg</b> | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| ANIMAL ID                     |                | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|                               |                | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
|                               |                | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |
|                               |                | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |
| <b>* TOTALS</b>               |                |   |   |   |   |   |   |   |   |   |   |

**ALIMENTARY SYSTEM**

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

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

+ .. Tissue examined microscopically

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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 |               |
|---|---|---|---|---|---|---|---|---|---|---|---------------|
|   | 6 | 3 | 6 | 0 | 7 | 7 | 0 | 7 | 7 | 6 |               |
| WISTAR HAN RATS FEMALE                          | 6 | 7 | 3 | 9 | 2 | 3 | 9 | 2 | 2 | 7 |               |
|   | 7 | 2 | 2 | 2 | 9 | 0 | 2 | 9 | 9 | 8 |               |
| 0 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 |               |
|   | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |               |
|   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |               |
| <b>* TOTALS</b>                                 |   |   |   |   |   |   |   |   |   |   |               |
| Necrosis  |   |   |   |   |   |   |   |   |   |   | <b>3 2.7</b>  |
| Pigmentation                                    |   |   |   |   |   |   |   |   |   |   | <b>1 3.0</b>  |
| Vacuolization Cytoplasmic, Focal                |   |   |   |   |   |   | X |   |   |   | <b>6</b>      |
| Bile Duct, Hyperplasia                          |   |   |   |   |   | 1 |   | 2 |   |   | <b>21 1.2</b> |
| Bile Duct, Hyperplasia, Cystic                  |   |   |   |   |   |   |   |   |   |   | <b>1 3.0</b>  |
| Hepatocyte, Regeneration                        |   |   |   |   |   |   |   |   | 3 |   | <b>1 3.0</b>  |
| Oval Cell, Hyperplasia                          |   |   |   |   |   |   |   |   |   |   | <b>1 1.0</b>  |
| Portal, Infiltration Cellular, Mononuclear Cell |   |   |   |   |   |   |   | 1 |   |   | <b>2 1.0</b>  |
|   |   |   |   |   |   |   |   |   |   |   |               |
| Mesentery                                       |   |   |   |   |   |   | + |   |   |   | <b>6</b>      |
| Necrosis  |   |   |   |   |   |   | 3 |   |   |   | <b>4 3.0</b>  |
|   |   |   |   |   |   |   |   |   |   |   |               |
| Oral Mucosa                                     |   |   |   |   |   |   |   |   |   |   | <b>1</b>      |
|   |   |   |   |   |   |   |   |   |   |   |               |
| Pancreas  | + | + | + | + | + | + | + | + | + | + | <b>60</b>     |
| Inflammation                                    |   |   |   |   |   |   |   |   |   |   | <b>1 1.0</b>  |
| Acinus, Atrophy                                 |   |   |   |   |   | 1 |   |   |   |   | <b>3 1.3</b>  |
|   |   |   |   |   |   |   |   |   |   |   |               |
| Salivary Glands                                 | + | + | + | + | + | + | + | + | + | + | <b>59</b>     |
| Inflammation                                    |   |   |   |   |   |   |   |   |   |   | <b>1 2.0</b>  |
|   |   |   |   |   |   |   |   |   |   |   |               |
| Stomach, Forestomach                            | + | + | + | + | + | + | + | + | + | + | <b>60</b>     |
| Erosion   |   |   |   |   |   |   |   |   |   |   | <b>2 3.0</b>  |
| Inflammation                                    |   |   |   |   |   |   |   |   |   | 4 | <b>5 2.0</b>  |
| Ulcer   |   |   |   |   |   |   |   |   |   | 4 | <b>2 3.0</b>  |
| Epithelium, Hyperkeratosis                      |   |   |   |   |   |   |   |   |   |   | <b>1 1.0</b>  |
| Epithelium, Hyperplasia                         |   |   |   |   |   |   |   |   |   |   | <b>3 3.0</b>  |
|   |   |   |   |   |   |   |   |   |   |   |               |
| Stomach, Glandular                              | + | + | + | + | + | + | + | + | + | + | <b>60</b>     |
| Inflammation                                    |   |   |   |   |   |   |   |   |   | 2 | <b>4 1.8</b>  |
| Mineralization                                  |   |   |   |   |   |   |   |   |   |   | <b>1 1.0</b>  |

\* .. 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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Species/Strain: RATS/Wistar Han

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

**\* TOTALS**

|                          |              |
|--------------------------|--------------|
| Epithelium, Degeneration | <b>1 2.0</b> |
| Epithelium, Hyperplasia  | <b>1 3.0</b> |

**CARDIOVASCULAR SYSTEM**

|                |                     |           |               |
|----------------|---------------------|-----------|---------------|
| Blood Vessel   | + + + + + + + + + + | <b>60</b> |               |
| Heart          | + + + + + + + + + + | <b>60</b> |               |
| Cardiomyopathy | 2 2                 |           | <b>20 1.4</b> |
| Inflammation   |                     |           | <b>1 2.0</b>  |

**ENDOCRINE SYSTEM**

|                              |                     |           |               |
|------------------------------|---------------------|-----------|---------------|
| Adrenal Cortex               | + + + + + + + + + + | <b>60</b> |               |
| Degeneration, Cystic         |                     |           | <b>1 2.0</b>  |
| Hyperplasia                  | 1 2 2 2 1 2         |           | <b>21 1.6</b> |
| Hypertrophy                  | 1                   |           | <b>13 1.8</b> |
| Necrosis                     |                     |           | <b>3 1.0</b>  |
| Adrenal Medulla              | + + + + + + + + + + | <b>60</b> |               |
| Hyperplasia                  |                     |           | <b>2 1.0</b>  |
| Islets, Pancreatic           | + + + + + + + + + + | <b>60</b> |               |
| Parathyroid Gland            | + + + + + + + + M + | <b>57</b> |               |
| Pituitary Gland              | + + + + + + + + + + | <b>60</b> |               |
| Pars Distalis, Cyst          |                     |           | <b>1 2.0</b>  |
| Pars Distalis, Hyperplasia   | 2 4                 |           | <b>12 2.1</b> |
| Pars Intermedia, Hyperplasia | 2                   |           | <b>1 2.0</b>  |

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Lab: BAT

| DAY ON TEST     | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
|-----------------|---|---|---|---|---|---|---|---|---|---|
| 6               | 3 | 6 | 0 | 7 | 7 | 0 | 7 | 7 | 6 |   |
| 6               | 7 | 3 | 9 | 2 | 3 | 9 | 2 | 2 | 7 |   |
| 7               | 2 | 2 | 2 | 9 | 0 | 2 | 9 | 9 | 8 |   |
| ANIMAL ID       | 0 | 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 | 2 |   |
| 7               | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |   |
| 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |   |
| <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |

|                              |   |   |   |   |   |   |   |   |   |   |    |  |        |
|------------------------------|---|---|---|---|---|---|---|---|---|---|----|--|--------|
| Thyroid Gland                | + | + | + | + | + | + | + | + | + | + | 60 |  |        |
| C-cell, Hyperplasia          |   |   |   |   |   |   |   |   |   |   |    |  | 29 1.3 |
| Follicular Cell, Hyperplasia |   |   |   |   |   |   |   |   |   |   |    |  | 2 2.5  |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |    |  |                                   |
|--|---|---|---|---|---|---|---|---|---|---|----|--|-----------------------------------|
| Clitoral Gland<br>Inflammation   | + | + | + | + | + | + | + | + | + | + | 59 |  | 4 2.3                             |
| Ovary<br>Cyst<br>Inflammation  | + | + | + | + | + | + | + | + | + | + | 60 |  | 8 2.8<br>1 2.0                    |
| Oviduct  |   |   |   |   |   |   |   |   |   |   | 1  |  |                                   |
| Uterus<br>Hemorrhage<br>Inflammation<br>Cervix, Fibrosis<br>Endometrium, Hyperplasia, Cystic | + | + | + | + | + | + | + | + | + | + | 60 |  | 1 4.0<br>3 1.3<br>1 2.0<br>10 2.2 |
| Vagina   |   |   |   |   |   |   |   |   |   |   | 1  |  |                                   |

HEMATOPOIETIC SYSTEM

|             |   |   |   |   |   |   |   |   |   |   |    |  |  |
|-------------|---|---|---|---|---|---|---|---|---|---|----|--|--|
| Bone Marrow | + | + | + | + | + | + | + | + | + | + | 60 |  |  |
|-------------|---|---|---|---|---|---|---|---|---|---|----|--|--|

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

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| DAY ON TEST                      |                | 0                 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |               |
|----------------------------------|----------------|-------------------|---|---|---|---|---|---|---|---|---------------|
| <b>WISTAR HAN RATS FEMALE</b>    |                | 6                 | 3 | 6 | 0 | 7 | 7 | 0 | 7 | 7 | 6             |
|                                  |                | 6                 | 7 | 3 | 9 | 2 | 3 | 9 | 2 | 2 | 7             |
|                                  |                | 7                 | 2 | 2 | 2 | 9 | 0 | 2 | 9 | 9 | 8             |
|                                  | <b>0 mg/kg</b> |                   |   |   |   |   |   |   |   |   |               |
| 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 |               |
| <b>* TOTALS</b>                  |                |                   |   |   |   |   |   |   |   |   |               |
| Hyperplasia                      |                |                   |   |   |   |   |   |   |   |   | <b>6 1.7</b>  |
| Lymph Node                       |                |                   |   |   |   |   |   |   |   |   | <b>3</b>      |
| Mediastinal, Hyperplasia         |                |                   |   |   |   |   |   |   |   |   | <b>1 4.0</b>  |
| Lymph Node, Mandibular           |                | + + + + + + + + + |   |   |   |   |   |   |   |   | <b>59</b>     |
| Degeneration, Cystic             |                |                   |   |   |   |   |   |   |   |   | <b>2 2.0</b>  |
| Hyperplasia, Plasma Cell         |                | 3                 |   |   |   |   |   |   |   |   | <b>12 2.3</b> |
| Lymph Node, Mesenteric           |                | + + + + + + + + + |   |   |   |   |   |   |   |   | <b>60</b>     |
| Spleen                           |                | + + + + + + + + + |   |   |   |   |   |   |   |   | <b>60</b>     |
| Hematopoietic Cell Proliferation |                |                   |   |   |   |   |   |   |   |   | <b>11 2.1</b> |
| Hyperplasia, Lymphoid            |                |                   |   |   |   |   |   |   |   |   | <b>2</b>      |
| Lymphoid Follicle, Hyperplasia   |                |                   |   |   |   |   |   |   |   |   | <b>1 1.0</b>  |
| Thymus                           |                | + + + + + + + + + |   |   |   |   |   |   |   |   | <b>59</b>     |
| <b>INTEGUMENTARY SYSTEM</b>      |                |                   |   |   |   |   |   |   |   |   |               |
| Mammary Gland                    |                | + + + + + + + + + |   |   |   |   |   |   |   |   | <b>60</b>     |
| Hyperplasia                      |                | 3                 |   |   |   |   |   |   |   |   | <b>3 1.7</b>  |
| Skin                             |                | + + + + + + + + + |   |   |   |   |   |   |   |   | <b>60</b>     |
| Hyperkeratosis                   |                |                   |   |   |   |   |   |   |   |   | <b>1 1.0</b>  |
| <b>MUSCULOSKELETAL SYSTEM</b>    |                |                   |   |   |   |   |   |   |   |   |               |
| Bone                             |                | + + + + + + + + + |   |   |   |   |   |   |   |   | <b>60</b>     |

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Lab: BAT

| DAY ON TEST  |  | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |        |
|--|--|---|---|---|---|---|---|---|---|---|---|--------|
| WISTAR HAN RATS FEMALE   |  | 6 | 3 | 6 | 0 | 7 | 7 | 0 | 7 | 7 | 6 |        |
| 0 mg/kg  |  | 6 | 7 | 3 | 9 | 2 | 3 | 9 | 2 | 2 | 7 |        |
| ANIMAL ID  |  | 7 | 2 | 2 | 2 | 9 | 0 | 2 | 9 | 9 | 8 |        |
|  |  | 0 | 0 | 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 | 2 |        |
|  |  | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |        |
|  |  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |        |
| * TOTALS   |  |   |   |   |   |   |   |   |   |   |   |        |
| Brain  |  | + | + | + | + | + | + | + | + | + | + | 60     |
| Peripheral Nerve   |  | + |   |   |   |   |   |   |   |   |   | 1      |
| Spinal Cord  |  | + |   |   |   |   |   |   |   |   |   | 1      |
| Degeneration   |  | 2 |   |   |   |   |   |   |   |   |   | 1 2.0  |
| <b>RESPIRATORY SYSTEM</b>                                      |  |   |   |   |   |   |   |   |   |   |   |        |
| Lung   |  | + | + | + | + | + | + | + | + | + | + | 60     |
| Inflammation, Suppurative                                      |  |   |   |   |   |   |   |   |   |   |   | 1 2.0  |
| Inflammation, Chronic Active                                   |  |   |   | 1 |   |   | 1 |   |   |   |   | 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                                      |  |   |   |   |   |   |   |   | 1 |   |   | 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

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| DAY ON TEST                                     | 0                             | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |       |        |        |
|---|-------------------------------|---|---|---|---|---|---|---|---|---|-------|--------|--------|
|   | <b>WISTAR HAN RATS FEMALE</b> | 6 | 3 | 6 | 0 | 7 | 7 | 0 | 7 | 7 | 6     |        |        |
| <b>0 mg/kg</b>                                  | 6                             | 7 | 3 | 9 | 2 | 3 | 9 | 2 | 2 | 7 |       |        |        |
| <b>ANIMAL ID</b>                                | 7                             | 2 | 2 | 2 | 9 | 0 | 2 | 9 | 9 | 8 |       |        |        |
|   | 0                             | 0 | 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 | 2 |       |        |        |
|   | 7                             | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 |       |        |        |
|   | 1                             | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |       |        |        |
| <b>* TOTALS</b>                                 |                               |   |   |   |   |   |   |   |   |   |       |        |        |
| 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 |        |        |
| <b>SPECIAL SENSES SYSTEM</b>                    |                               |   |   |   |   |   |   |   |   |   |       |        |        |
| 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 |        |        |
| <b>URINARY SYSTEM</b>                           |                               |   |   |   |   |   |   |   |   |   |       |        |        |
| 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      | 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 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

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

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

\* .. 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





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

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

Lab: BAT

| WISTAR HAN RATS FEMALE<br>100 mg/kg             | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|--|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
|   | 0<br>7<br>2<br>9 | 0<br>0<br>1<br>5 | 0<br>4<br>0<br>8 | 0<br>7<br>2<br>9 | 0<br>6<br>8<br>9 | 0<br>5<br>5<br>1 | 0<br>7<br>2<br>9 | 0<br>5<br>2<br>8 | 0<br>7<br>9<br>8 | 0<br>5<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>6<br>7<br>8 | 0<br>7<br>2<br>9 | 0<br>5<br>0<br>6 | 0<br>7<br>3<br>0 | 0<br>6<br>3<br>4 | 0<br>7<br>3<br>0 | 0<br>6<br>9<br>4 | 0<br>7<br>1<br>4 | 0<br>7<br>3<br>0 | 0<br>7<br>1<br>9 | 0<br>6<br>2<br>9 | 0<br>7<br>4<br>5 | 0<br>7<br>3<br>0 | 0<br>6<br>4<br>5 |           |                      |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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                                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mineralization                                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           | 2                    |  |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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

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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 | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |  | females<br>(cont...) |
|------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|--|----------------------|
|                        | 0729        | 0015 | 0048 | 0072 | 0065 | 0057 | 0075 | 0058 | 0077 | 0077 | 0067 | 0075 | 0077 | 0067 | 0076 | 0077 | 0067 | 0077 | 0077 | 0067 | 0076 | 0077 | 0067 | 0077 |  |                      |
| 100 mg/kg              | 0081        | 0002 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 | 0000 |  |                      |
|                        | 1288        | 2288 | 3288 | 4288 | 5288 | 6288 | 7288 | 8288 | 9288 | 0199 | 1199 | 2199 | 3199 | 4199 | 5199 | 6199 | 7199 | 8199 | 9199 | 0000 | 1000 | 2000 | 3000 | 4000 |  |                      |

CARDIOVASCULAR SYSTEM

|                          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Blood Vessel             | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Heart                    | + | + | + | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cardiomyopathy           |   |   |   | 1 | 1 |   | 1 |   |   |   |   |   | 2 | 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  
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Green tea extract

CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013

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

Lab: BAT

|                               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                          |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------|
| <b>WISTAR HAN RATS FEMALE</b> | DAY ON TEST | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |   |                          |
|                               |             | 7 | 0 | 4 | 7 | 6 | 5 | 7 | 5 | 7 | 7 | 6 | 7 | 5 | 7 | 7 | 6 | 7 | 6 | 7 | 7 | 7 | 7 | 6 |   | 7 |                          |
| <b>100 mg/kg</b>              | ANIMAL ID   | 2 | 1 | 0 | 2 | 8 | 5 | 2 | 9 | 2 | 3 | 7 | 2 | 0 | 3 | 3 | 6 | 3 | 9 | 1 | 3 | 1 | 2 | 4 | 3 | 2 | <b>females (cont...)</b> |
|                               |             | 9 | 5 | 8 | 9 | 9 | 1 | 9 | 8 | 9 | 0 | 8 | 9 | 6 | 0 | 0 | 4 | 0 | 4 | 4 | 0 | 9 | 9 | 5 | 0 | 9 |                          |

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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

HEMATOPOIETIC SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone Marrow Hyperplasia                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|   | 2 |   |   | 2 | 2 |   |   |   |   |   |   | 3 |   | 2 |   |   |   |   | 1 | 2 |   | 4 | 2 |   |   |   |   |
| Lymph Node Mediastinal, Hemorrhage          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | + |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |
| Lymph Node, Mandibular Degeneration, Cystic | + | + | M | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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



|                        |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                      |
|------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
| WISTAR HAN RATS FEMALE | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | females<br>(cont...) |
|                        | 0<br>7<br>2<br>9      | 0<br>0<br>1<br>5      | 0<br>4<br>0<br>8      | 0<br>7<br>2<br>9      | 0<br>6<br>8<br>9      | 0<br>5<br>5<br>1      | 0<br>7<br>2<br>9      | 0<br>5<br>9<br>8      | 0<br>7<br>2<br>9      | 0<br>7<br>3<br>0      | 0<br>6<br>7<br>8      | 0<br>7<br>2<br>9      | 0<br>5<br>0<br>6      | 0<br>7<br>3<br>0      | 0<br>7<br>6<br>4      | 0<br>6<br>3<br>0      | 0<br>7<br>9<br>4      | 0<br>7<br>1<br>4      | 0<br>7<br>3<br>0      | 0<br>7<br>1<br>9      | 0<br>7<br>2<br>9      | 0<br>6<br>4<br>5      | 0<br>7<br>3<br>0      | 0<br>7<br>4<br>5      |                      |
| 100 mg/kg              | ANIMAL ID             |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | females<br>(cont...) |
| 0<br>0<br>2<br>8<br>1  | 0<br>0<br>0<br>8<br>2 | 0<br>0<br>2<br>8<br>3 | 0<br>0<br>2<br>8<br>4 | 0<br>0<br>2<br>8<br>5 | 0<br>0<br>2<br>8<br>6 | 0<br>0<br>2<br>8<br>7 | 0<br>0<br>2<br>8<br>8 | 0<br>0<br>2<br>8<br>9 | 0<br>0<br>2<br>8<br>0 | 0<br>0<br>2<br>8<br>1 | 0<br>0<br>2<br>8<br>2 | 0<br>0<br>2<br>8<br>3 | 0<br>0<br>2<br>8<br>4 | 0<br>0<br>2<br>8<br>5 | 0<br>0<br>2<br>8<br>6 | 0<br>0<br>2<br>8<br>7 | 0<br>0<br>2<br>8<br>8 | 0<br>0<br>2<br>8<br>9 | 0<br>0<br>2<br>8<br>0 | 0<br>0<br>2<br>8<br>1 | 0<br>0<br>2<br>8<br>2 | 0<br>0<br>2<br>8<br>3 | 0<br>0<br>2<br>8<br>4 | 0<br>0<br>2<br>8<br>5 |                      |

Spinal Cord

### RESPIRATORY SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung   | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Congestion   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Edema  |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Fibrosis   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |
| Hemorrhage   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Suppurative                                      |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Chronic Active                                   |   |   |   | 1 |   |   |   | 1 |   |   |   | 2 |   |   | 2 |   |   |   |   | 1 |   |   |   | 1 |
| Alveolar Epithelium, Hyperplasia                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   | 2 |   |   |   |   |   | 1 |
| Alveolus, Infiltration Cellular, Histiocyte                    | 1 |   | 1 | 2 |   |   | 1 |   | 2 | 1 |   | 1 |   | 1 | 1 | 1 |   | 1 | 2 | 1 |   | 1 |   | 1 |
| Nose   | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Foreign Body   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Suppurative                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Epithelium, Goblet Cell, Nasopharyngeal Duct, Hyperplasia      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Epithelium, Nasopharyngeal Duct, Accumulation, Hyaline Droplet |   |   |   |   |   | 1 | 1 |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |
| Epithelium, Nasopharyngeal Duct, Hyperplasia                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Epithelium, Nasopharyngeal Duct, Necrosis                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Lamina Propria, Mineralization                                 |   |   |   |   |   |   |   |   | 1 |   |   | 1 | 1 | 1 |   | 1 | 2 |   | 1 |   |   |   |   | 1 |
| Nasopharyngeal Duct, Inflammation, Suppurative                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Nerve, Atrophy   | 2 |   |   | 2 | 2 |   |   |   |   |   | 1 | 2 | 2 | 2 |   | 2 | 2 |   | 2 | 2 | 2 |   |   | 2 |
| Olfactory Epithelium, Accumulation, Hyaline Droplet            | 1 |   |   |   |   |   |   | 1 |   | 2 | 1 |   | 2 |   | 2 | 2 |   | 2 |   | 2 | 3 |   | 1 | 1 |
| Olfactory Epithelium, Atrophy                                  | 2 |   |   | 2 | 2 |   |   |   |   |   |   | 2 | 2 | 2 |   | 2 | 2 |   | 2 | 2 | 2 |   |   | 1 |
| Olfactory Epithelium, Metaplasia, Respiratory                  | 3 |   |   | 3 | 3 | 1 |   |   |   |   | 1 | 1 | 2 | 1 | 2 | 3 | 3 |   | 3 | 3 | 2 | 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 FEMALE | DAY ON TEST |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |   | females<br>(cont...) |
|------------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|----------------------|
|                        | 07          | 00 | 04 | 07 | 06 | 05 | 07 | 05 | 07 | 07 | 06 | 07 | 05 | 07 | 07 | 06 | 07 | 06 | 07 | 07 | 07 | 06 | 07 | 07 |   |                      |
| 100 mg/kg              | 2           | 1  | 0  | 2  | 8  | 5  | 2  | 9  | 2  | 3  | 7  | 2  | 0  | 3  | 3  | 6  | 3  | 9  | 1  | 3  | 1  | 2  | 4  | 3  | 2 |                      |
|                        | 9           | 5  | 8  | 9  | 9  | 1  | 9  | 8  | 9  | 0  | 8  | 9  | 6  | 0  | 0  | 4  | 0  | 4  | 4  | 0  | 9  | 9  | 5  | 0  | 2 |                      |
|                        | 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 |                      |
|                        | 2           | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 2  | 3  | 3  | 3  | 3  | 3  |   |                      |
|                        | 8           | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 8  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 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  |   |                      |

|   |   |  |  |  |   |  |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|--|--|--|---|--|---|---|---|---|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Olfactory Epithelium, Necrosis                        |   |  |  |  |   |  | 1 |   | 2 |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Olfactory Epithelium, Pigmentation                    | 1 |  |  |  | 1 |  | 1 |   | 1 |   |  |   |   |   | 1 |   |   | 1 |   |   |   |   |   |   |   |
| Olfactory Epithelium, Squamous Metaplasia             |   |  |  |  |   |  |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   | 1 |   | 1 |   |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | 1 |  |  |  | 1 |  |   | 1 |   | 1 |  |   | 2 |   | 2 |   | 2 |   | 1 |   | 2 | 3 | 1 | 1 | 1 |
| Respiratory Epithelium, Atrophy                       |   |  |  |  |   |  |   |   |   |   |  |   |   |   |   |   |   |   |   |   | 2 |   | 2 |   |   |
| Respiratory Epithelium, Hyperplasia                   |   |  |  |  |   |  |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Respiratory Epithelium, Metaplasia, Squamous          |   |  |  |  |   |  |   |   |   |   |  |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |
| Respiratory Epithelium, Necrosis                      |   |  |  |  |   |  |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Respiratory Epithelium, Pigmentation                  |   |  |  |  |   |  |   |   |   |   |  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Turbinate, Deformity                                  |   |  |  |  |   |  |   |   |   |   |  |   |   |   |   |   |   |   |   |   | X |   |   |   |   |
| Turbinate, Hyperostosis                               |   |  |  |  | 2 |  | 1 |   |   | 1 |  | 2 | 1 |   | 1 | 1 |   |   |   | 3 | 2 |   | 1 | 1 |   |

Trachea +

SPECIAL SENSES SYSTEM

Eye +

Cataract

Retina, Atrophy 3

Harderian Gland +

Inflammation 1 1

URINARY SYSTEM

Kidney + + + + + M +

Cyst

Infarct 2

Inflammation 2 1 1 2

Nephropathy 1 1 1 2 1 1 1 1 1

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:  
X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate  
I .. Insufficient tissue BLANK .. Not examined microscopically 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 |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |                              |    |
|--------------------------------------|------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|------------------------------|----|
|                                      |                  | 07          | 00 | 04 | 07 | 06 | 05 | 07 | 05 | 07 | 07 | 06 | 07 | 05 | 07 | 07 | 06 | 07 | 06 | 07 | 07 | 07 | 06 | 07 | 07 |                              |    |
| <b>WISTAR HAN RATS FEMALE</b>        | <b>100 mg/kg</b> | 29          | 15 | 08 | 29 | 89 | 51 | 29 | 88 | 29 | 30 | 78 | 29 | 30 | 30 | 34 | 30 | 39 | 44 | 40 | 39 | 19 | 29 | 45 | 30 | <b>females<br/>(cont...)</b> |    |
|                                      |                  | 01          | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 00 | 01 | 02 | 03 | 04 |                              | 05 |
| Transitional Epithelium, Hyperplasia |                  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 2  | 3                            |    |
| Urinary Bladder Inflammation         |                  | +           | +  | +  | +  | +  | M  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  | +  |                              |    |
|                                      |                  |             |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | 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<br>100 mg/kg | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |      |      |      |      |
|-------------------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|------|
|                                     | 0730        | 0733 | 0732 | 0739 | 0733 | 0732 | 0732 | 0733 | 0733 | 0733 | 0739 | 0732 | 0732 | 0732 | 0738 | 0739 | 0734 | 0736 | 0737 | 0732 |          | 0733 | 0737 | 0736 | 0730 |      |
|                                     | 0030        | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 |          | 0033 | 0033 | 0033 | 0033 | 0033 |
|                                     | 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    |      |
|                                     | 7           | 7    | 7    | 7    | 4    | 7    | 7    | 7    | 7    | 7    | 4    | 5    | 7    | 7    | 7    | 7    | 4    | 6    | 7    | 7    | 6        | 7    | 3    | 7    | 6    | 0    |
|                                     | 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    | 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    | 4    |
|                                     | 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    |
|                                     | 3           | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3        | 3    | 3    | 3    | 3    | 3    |
|                                     | 0           | 0    | 0    | 0    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 1    | 2    | 2    | 2    | 2    | 2    | 2        | 2    | 2    | 2    | 3    | 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    | 0    |

**ALIMENTARY SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|
| Esophagus Inflammation                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 1 4.0 |
| Intestine Large, Cecum Lymphoid Tissue, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 | 1 2.0 |
| Intestine Large, Colon                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |       |
| Intestine Large, Rectum                             | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |       |
| Intestine Small, Duodenum                           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | 48 |       |
| Intestine Small, Ileum                              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | + | + | + | + | 46 |       |
| Intestine Small, Jejunum Necrosis, Hemorrhagic      | + | + | + | + | A | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | A | + | + | + | + | 43 | 1 4.0 |
| Liver   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |       |
| Angiectasis   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   | 2 |   | 2 |   |   |   |   |   |   | 4  | 2.3   |
| Basophilic Focus                                    | X | X | X | X |   | X | X | X | X | X | X | X | X | X | X |   |   |   | X | X | X | X |   |   |   | 38 |       |
| Clear Cell Focus                                    |   |   | X |   |   | X |   |   |   | X |   |   |   |   | X |   |   |   |   |   |   |   |   |   |   | 8  |       |
| Eosinophilic Focus                                  |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   | 4  |       |
| Fatty Change  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   | 1  | 2.0   |
| Hematopoietic Cell Proliferation                    |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   | 4  | 2.3   |
| Hematopoietic Cell Proliferation, Granulocytic      |   |   |   |   | 1 |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  | 2.3   |
| Inflammation  |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   | 3  | 1.0   |
| Mixed Cell Focus                                    |   |   |   |   |   |   |   |   | X | X |   |   |   | X |   | X |   |   |   |   |   |   |   |   |   | 4  |       |
| Necrosis  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   | 2  | 2.0   |

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

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 .. Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

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<br>100 mg/kg             | DAY ON TEST |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |      |      |      |      |      |        |
|---|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|------|------|------|------|------|--------|
|   | 0730        | 0733 | 0732 | 0733 | 0733 | 0732 | 0732 | 0733 | 0733 | 0730 | 0730 | 0734 | 0735 | 0737 | 0737 | 0734 | 0737 | 0734 | 0736 | 0737 |          | 0733 | 0737 | 0736 | 0730 | 0736 | 0730   |
| ANIMAL ID                                       | 0030        | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033 | 0033     | 0033 | 0033 | 0033 | 0033 | 0033 |        |
| Pigmentation                                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 1 2.0  |
| Vacuolization Cytoplasmic, Focal                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 2      |
| Bile Duct, Cyst                                 |             |      | 3    |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 2 2.0  |
| Bile Duct, Hyperplasia                          |             |      | 1    | 2    |      |      |      | 1    |      |      | 1    |      |      |      |      |      |      | 2    |      |      |          |      |      |      |      |      | 11 1.3 |
| Oval Cell, Hyperplasia                          |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | 1    |      |      |          |      |      |      |      |      | 2 1.0  |
| Portal, Infiltration Cellular, Mononuclear Cell |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 1 1.0  |
| Mesentery                                       |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 3      |
| Pancreas  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 49     |
| Inflammation                                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 1 3.0  |
| Acinus, Atrophy                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 4 2.0  |
| Acinus, Cytoplasmic Alteration                  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 1 1.0  |
| Duct, Cyst                                      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 1 2.0  |
| Salivary Glands                                 |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 48     |
| Duct, Cyst                                      |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 1 4.0  |
| Stomach, Forestomach                            |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 50     |
| Erosion   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 2 2.0  |
| Inflammation                                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 1 2.0  |
| Mineralization                                  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 1 1.0  |
| Ulcer   |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 1 3.0  |
| Epithelium, Hyperplasia                         |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 2 1.5  |
| Stomach, Glandular                              |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 49     |
| Inflammation                                    |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 1 1.0  |
| Mineralization                                  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 2 1.5  |
| Necrosis  |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 1 2.0  |
| Mucosa, Necrosis                                |             |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |          |      |      |      |      |      | 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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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  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  | 0730  |          |       |
| 100 mg/kg              | ANIMAL ID   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |
| 00306                  | 00307       | 00308 | 00309 | 00310 | 00311 | 00312 | 00313 | 00314 | 00315 | 00316 | 00317 | 00318 | 00319 | 00320 | 00321 | 00322 | 00323 | 00324 | 00325 | 00326 | 00327 | 00328 | 00329 |          | 00330 |

**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 |   |   |   |  |  |   |   |  |   |  |   |  |   |   |   |  |  |  | 1 |  |  |  |   | 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            | + |   |   |   |   |   |   |   |   |  |   |   |   |   |  |   |   |   |   |   |   |  |   | 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  
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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/21/2013

Test Type: CHRONIC

Green tea extract

Time Report Requested: 07:54:40

Route: GAVAGE

CAS Number: GREENTEAEXTR

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

Species/Strain: RATS/Wistar Han

Lab: BAT

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

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Clitoral Gland Inflammation  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |    |
| Ovary Cyst Inflammation  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
|  | 3 | 2 |   | 3 |   | 3 | 1 |   |   |   |   |   | 3 |   |   |   |   | 3 |   |   |   |   |   |   |   | 12 |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 | 1 |    |
| Uterus Decidual Reaction Inflammation Endometrium, Hyperplasia, Cystic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |    |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   | 3  |
| Vagina   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |

**HEMATOPOIETIC SYSTEM**

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|
| Bone Marrow Hyperplasia                     | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 | 2 |    |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |
| Lymph Node Mediastinal, Hemorrhage          |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  |
| Lymph Node, Mandibular Degeneration, Cystic | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 48 |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  |

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A .. Autolysis precludes evaluation  
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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 FEMALE<br>100 mg/kg   | DAY ON TEST |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | * TOTALS |       |
|---------------------------------------|-------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|----------|-------|
|                                       | 07          | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    | 07    |          | 07    |
| ANIMAL ID                             | 00306       | 00307 | 00308 | 00309 | 00310 | 00311 | 00312 | 00313 | 00314 | 00315 | 00316 | 00317 | 00318 | 00319 | 00320 | 00321 | 00322 | 00323 | 00324 | 00325 | 00326    |       |
| Hyperplasia, Plasma Cell              |             |       |       |       |       |       |       |       |       | 2     |       |       |       |       | 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      |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     |       |       |       |       |          | 7 3.1 |
| Hyperplasia, Lymphoid                 |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1 3.0 |
| Thymus                                | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 47    |
| Inflammation                          |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 1 2.0 |
| <b>INTEGUMENTARY SYSTEM</b>           |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |
| Mammary Gland                         | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 49    |
| Hyperplasia                           |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          | 3 3.0 |
| Epithelium, Cytoplasmic Alteration    |             |       |       |       |       |       |       |       |       |       |       |       |       |       | 2     |       |       |       |       |       |          | 1 2.0 |
| Skin                                  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 50    |
| <b>MUSCULOSKELETAL SYSTEM</b>         |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |
| Bone                                  | +           | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +     | +        | 50    |
| <b>NERVOUS SYSTEM</b>                 |             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |          |       |
| 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

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 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      | * TOTALS |    |
|------------------------|-------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|----------|----|
|                        | 07          | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   | 07   |          | 07 |
| 100 mg/kg              | 30          | 30   | 29   | 30   | 33   | 22   | 29   | 33   | 30   | 33   | 30   | 33   | 22   | 29   | 33   | 30   | 33   | 22   | 29   | 33   | 30       | 2  |
| ANIMAL ID              | 0030        | 0033 | 0029 | 0030 | 0033 | 0022 | 0029 | 0033 | 0030 | 0033 | 0030 | 0033 | 0022 | 0029 | 0033 | 0030 | 0033 | 0022 | 0029 | 0033 | 0030     |    |

Spinal Cord + + 2

**RESPIRATORY SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |        |     |     |    |     |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|--------|-----|-----|----|-----|
| Lung   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 49 |        |     |     |    |     |
| Congestion   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 3.0  |     |     |    |     |
| Edema  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  | 2 3.0  |     |     |    |     |
| Fibrosis   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 2.0  |     |     |    |     |
| Hemorrhage   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1 2.0  |     |     |    |     |
| Inflammation, Suppurative                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 3 2.0  |     |     |    |     |
| Inflammation, Chronic Active                                   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2  | 11 1.5 |     |     |    |     |
| Alveolar Epithelium, Hyperplasia                               |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 7 1.4  |     |     |    |     |
| Alveolus, Infiltration Cellular, Histiocyte                    | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 3 |   | 1 | 1 | 1 |   | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 31 | 1.2    |     |     |    |     |
| Nose   | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 49 |        |     |     |    |     |
| Foreign Body   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 2      |     |     |    |     |
| Inflammation, Suppurative                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 3 2.0  |     |     |    |     |
| Epithelium, Goblet Cell, Nasopharyngeal Duct, Hyperplasia      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 4 1.3  |     |     |    |     |
| Epithelium, Nasopharyngeal Duct, Accumulation, Hyaline Droplet |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 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  | 38     | 1.6 |     |    |     |
| Olfactory Epithelium, Accumulation, Hyaline Droplet            | 1 |   | 1 |   |   |   | 2 | 2 | 1 | 1 | 3 |   | 2 | 2 | 1 | 1 | 2 | 2 | 1 |   | 4  | 3      | 31  | 1.7 |    |     |
| Olfactory Epithelium, Atrophy                                  | 1 | 1 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 |   |   |   | 1 | 2 | 1 | 1 | 1 | 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 | 1  | 3      | 3   | 2   | 42 | 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 FEMALE<br>100 mg/kg  | DAY ON TEST |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | * TOTALS |
|--------------------------------------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|                                      | 07<br>30    | 07<br>30 | 07<br>29 | 07<br>30 | 07<br>43 | 07<br>72 | 07<br>72 | 07<br>72 | 07<br>72 | 07<br>72 | 07<br>49 | 07<br>52 | 07<br>72 | 07<br>72 | 07<br>72 | 07<br>48 | 07<br>69 | 07<br>71 | 07<br>73 | 07<br>68 | 07<br>73 | 07<br>37 | 07<br>66 | 07<br>00 |          |
| ANIMAL ID                            | 00          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | * TOTALS |
|                                      | 33          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|                                      | 06          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
| Transitional Epithelium, Hyperplasia |             |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 1        | 3 2.0    |
| Urinary Bladder Inflammation         | +           |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          | 49       | 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  
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|                               |             |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |                          |
|-------------------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|--------------------------|
| <b>WISTAR HAN RATS FEMALE</b> | DAY ON TEST |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  |                          |
|                               | 0239        | 0730   | 0731   | 0210   | 0575   | 0757   | 0575   | 0776   | 0676   | 0744   | 0666   | 0565   | 0001   | 0773   | 0773   | 0773   | 0332   | 0722   | 0722   | 0722   | 0733   | 0732   | 0732   |  |                          |
| <b>300 mg/kg</b>              | ANIMAL ID   |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |        |  | <b>females (cont...)</b> |
| 003331                        | 003333      | 003334 | 003335 | 003336 | 003337 | 003338 | 003339 | 003340 | 003341 | 003342 | 003343 | 003344 | 003345 | 003346 | 003347 | 003348 | 003349 | 003350 | 003351 | 003352 | 003353 | 003354 | 003355 |  |                          |

**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 Basophilic Focus   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + |
| Liver Clear Cell Focus   |   | X | X |   |   | X | X | X | X | X | X | X | X |   |   |   | X | X |   | X | X | X | X |
| Liver Eosinophilic Focus                                       |   |   | X |   |   |   |   |   |   |   |   | X |   |   |   |   |   |   | X |   | X |   |   |
| Liver Hematopoietic Cell Proliferation                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |
| Liver Hematopoietic Cell Proliferation, Granulocytic           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |

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 X .. Lesion present  
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Experiment Number: 20203 - 03

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Green tea extract

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Lab: BAT

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

Hepatodiaphragmatic Nodule X  
 Inflammation 1  
 Mixed Cell Focus X  
 Necrosis 4 2  
 Pigmentation 3  
 Vacuolization Cytoplasmic, Focal X X  
 Bile Duct, Concretion 1  
 Bile Duct, Cyst 2  
 Bile Duct, Dilatation 2  
 Bile Duct, Hyperplasia 1 1 1 2 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 M .. Missing tissue  
 X .. Lesion present A .. Autolysis precludes evaluation  
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|-------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| <b>WISTAR HAN RATS FEMALE</b> | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                              |                  |                  |                  |                  |                  |                  |                  |                  |
|                               | 0<br>2<br>3<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>2<br>1<br>6 | 0<br>5<br>0<br>6 | 0<br>7<br>3<br>0 | 0<br>5<br>3<br>0 | 0<br>7<br>2<br>9 | 0<br>6<br>9<br>8 | 0<br>7<br>3<br>0 | 0<br>4<br>6<br>7 | 0<br>6<br>3<br>2 | 0<br>6<br>7<br>5 | 0<br>5<br>4<br>1 | 0<br>0<br>0<br>9 | 0<br>1<br>0<br>8 | 0<br>7<br>3<br>0 | 0<br>7<br>3<br>0 | 0<br>3<br>2<br>8 | 0<br>7<br>2<br>9 |                  | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>2<br>9 | 0<br>7<br>3<br>0 | 0<br>7<br>2<br>9 | <b>females<br/>(cont...)</b> |                  |                  |                  |                  |                  |                  |                  |                  |
| <b>300 mg/kg</b>              | 0<br>3<br>3<br>1 | 0<br>0<br>3<br>2 | 0<br>0<br>3<br>3 | 0<br>0<br>3<br>4 | 0<br>0<br>3<br>5 | 0<br>0<br>3<br>6 | 0<br>0<br>3<br>7 | 0<br>0<br>3<br>8 | 0<br>0<br>3<br>9 | 0<br>0<br>3<br>0 | 0<br>0<br>3<br>1 | 0<br>0<br>3<br>2 | 0<br>0<br>3<br>3 | 0<br>0<br>3<br>4 | 0<br>0<br>3<br>5 | 0<br>0<br>3<br>6 | 0<br>0<br>3<br>7 | 0<br>0<br>3<br>8 | 0<br>0<br>3<br>9 | 0<br>0<br>3<br>0 | 0<br>0<br>3<br>1 | 0<br>0<br>3<br>2 | 0<br>0<br>3<br>3 | 0<br>0<br>3<br>4 | 0<br>0<br>3<br>5 | 0<br>0<br>3<br>6 |                              | 0<br>0<br>3<br>7 | 0<br>0<br>3<br>8 | 0<br>0<br>3<br>9 | 0<br>0<br>3<br>0 | 0<br>0<br>3<br>1 | 0<br>0<br>3<br>2 | 0<br>0<br>3<br>3 | 0<br>0<br>3<br>4 |

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  
 Hyperplasia 3 2 2 1 1 2 1 2 2 2 1 1 3  
 Hypertrophy 2 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 1-4 .. Lesion qualified as:  
 X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate  
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Species/Strain: RATS/Wistar Han

Lab: BAT

| Wistar Han Rats Female<br>300 mg/kg | DAY ON TEST                |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            |                            | females<br>(cont...)       |
|-------------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                                     | 0<br>2<br>3<br>9           | 0<br>7<br>3<br>0           | 0<br>7<br>3<br>0           | 0<br>2<br>1<br>6           | 0<br>5<br>0<br>6           | 0<br>7<br>3<br>0           | 0<br>5<br>3<br>0           | 0<br>7<br>3<br>9           | 0<br>6<br>2<br>8           | 0<br>7<br>3<br>0           | 0<br>4<br>6<br>7           | 0<br>6<br>3<br>2           | 0<br>6<br>7<br>5           | 0<br>5<br>4<br>1           | 0<br>0<br>0<br>9           | 0<br>1<br>0<br>8           | 0<br>7<br>3<br>0           | 0<br>7<br>3<br>0           | 0<br>3<br>2<br>8           | 0<br>7<br>2<br>9           | 0<br>7<br>2<br>9           | 0<br>7<br>2<br>9           | 0<br>7<br>3<br>0           |                            |                            |
| ANIMAL ID                           | 0<br>0<br>3<br>3<br>3<br>1 | 0<br>0<br>3<br>3<br>3<br>2 | 0<br>0<br>3<br>3<br>3<br>3 | 0<br>0<br>3<br>3<br>3<br>4 | 0<br>0<br>3<br>3<br>3<br>5 | 0<br>0<br>3<br>3<br>3<br>6 | 0<br>0<br>3<br>3<br>3<br>7 | 0<br>0<br>3<br>3<br>3<br>8 | 0<br>0<br>3<br>3<br>3<br>9 | 0<br>0<br>3<br>3<br>3<br>0 | 0<br>0<br>3<br>3<br>3<br>1 | 0<br>0<br>3<br>3<br>3<br>2 | 0<br>0<br>3<br>3<br>3<br>3 | 0<br>0<br>3<br>3<br>3<br>4 | 0<br>0<br>3<br>3<br>3<br>5 | 0<br>0<br>3<br>3<br>3<br>6 | 0<br>0<br>3<br>3<br>3<br>7 | 0<br>0<br>3<br>3<br>3<br>8 | 0<br>0<br>3<br>3<br>3<br>9 | 0<br>0<br>3<br>3<br>3<br>0 | 0<br>0<br>3<br>3<br>3<br>1 | 0<br>0<br>3<br>3<br>3<br>2 | 0<br>0<br>3<br>3<br>3<br>3 | 0<br>0<br>3<br>3<br>3<br>4 | 0<br>0<br>3<br>3<br>3<br>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<br>Duct, Cyst                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |   |  |
| Ovary<br>Cyst<br>Inflammation                              | + | + | + | + | + | 2 | + | + | 1 | + | 3 | + | 2 | + | M | + | + | + | + | + | + | 2 | 3 |  |
| Uterus<br>Inflammation<br>Endometrium, Hyperplasia, Cystic | + | + | + | + | + | + | + | + | 1 | + | + | + | + | + | + | M | + | + | + | + | + | + | 3 |  |
|  |   |   |   | 4 |   |   |   | 1 | 2 |   | 4 | 2 | 2 | 4 |   |   |   |   |   | 3 | 2 |   |   |  |

HEMATOPOIETIC SYSTEM

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|--|
| Bone Marrow<br>Hyperplasia   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |  |  |
|  | 3 |   |   | 1 | 3 |   |   |   | 3 |   | 2 | 1 |   | 2 |   |   |   |   |   | 3 | 3 |   |  |  |
| Lymph Node<br>Bronchial, Inflammation<br>Iliac, Hyperplasia, Lymphoid<br>Mediastinal, Degeneration, Cystic |   |   |   | + |   |   |   | + |   |   |   |   |   |   |   |   |   |   | + |   |   |   |  |  |
|  |   |   |   | 4 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |  |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |  |  |

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

+ .. Tissue examined microscopically

M .. Missing tissue

1-4 .. Lesion qualified as:

X .. Lesion present

A .. Autolysis precludes evaluation

1) Minimal 3) Moderate

I .. Insufficient tissue

BLANK .. Not examined microscopically

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

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

Mediastinal, Hyperplasia, Plasma Cell  
Mediastinal, Pigmentation, Hemosiderin  
Renal, Inflammation

3  
1  
3

Lymph Node, Mandibular  
Atrophy  
Degeneration, Cystic  
Hyperplasia, Plasma Cell

+  
1  
2 2

Lymph Node, Mesenteric  
Hyperplasia, Plasma Cell

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

Spleen  
Depletion Lymphoid  
Hematopoietic Cell Proliferation  
Hyperplasia, Lymphoid  
Inflammation

+ + + + + + + + + + + + + + M + + + + + + + + + +  
1  
4 4  
3 3  
2

Thymus

+ +

INTEGUMENTARY SYSTEM

Mammary Gland  
Hyperplasia

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

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Species/Strain: RATS/Wistar Han

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Green tea extract

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

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 2 1 1

Serosa, Inflammation 2

Nose +

Foreign Body X X

Inflammation, Suppurative 2 1 1 2 4 1 2 1 2 1

Epithelium, Nasopharyngeal Duct, Accumulation, Hyaline Droplet 1 1 1

Epithelium, Nasopharyngeal Duct, Degeneration 2

Epithelium, Nasopharyngeal Duct, Hyperplasia 1 1 1

Epithelium, Nasopharyngeal Duct, Inflammation, Suppurative 4

Epithelium, Nasopharyngeal Duct, Necrosis 3 2 1 2 3 1 1 1 1 1 1 1 1 1

Lamina Propria, Mineralization 1

Lamina Propria, Pigmentation 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

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Lab: BAT

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

Nasopharyngeal Duct, Foreign Body

Nasopharyngeal Duct, Inflammation, Suppurative

Nasopharyngeal Duct, Mineralization

Nerve, Atrophy

Olfactory Epithelium, Accumulation, Hyaline Droplet

Olfactory Epithelium, Atrophy

Olfactory Epithelium, Hyperplasia, Basal Cell

Olfactory Epithelium, Metaplasia, Respiratory

Olfactory Epithelium, Necrosis

Olfactory Epithelium, Pigmentation

Olfactory Epithelium, Squamous Metaplasia

Respiratory Epithelium, Accumulation, Hyaline Droplet

Respiratory Epithelium, Atrophy

Respiratory Epithelium, Hyperplasia

Respiratory Epithelium, Metaplasia, Squamous

Respiratory Epithelium, Necrosis

Respiratory Epithelium, Pigmentation

Turbinate, Deformity

Turbinate, Hyperostosis

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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| WISTAR HAN RATS FEMALE<br>300 mg/kg    | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |             |  | * TOTALS |
|--|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-------------|--|----------|
|  | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0           |  |          |
|  | 2           | 6 | 0 | 7 | 7 | 7 | 3 | 7 | 6 | 5 | 3 | 7 | 0 | 7 | 7 | 0 | 4 | 7 | 7 | 7 | 5 | 7 | 6           |  |          |
| ANIMAL ID                              | 7           | 1 | 2 | 3 | 1 | 2 | 6 | 3 | 2 | 0 | 0 | 3 | 0 | 3 | 1 | 9 | 0 | 3 | 2 | 3 | 3 | 8 | 3           |  |          |
|  | 5           | 0 | 1 | 0 | 9 | 9 | 2 | 0 | 8 | 6 | 9 | 0 | 6 | 0 | 5 | 9 | 7 | 0 | 9 | 9 | 0 | 4 | 3           |  |          |
|  | 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           |  |          |
|  | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3           |  |          |
|  | 5           | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 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           |  |          |
| 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                        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   | 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<br>Degeneration, Cystic      |             | + |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3<br>1 2.0  |  |          |
| Pancreas<br>Inflammation               | +           | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | 48<br>2 1.0 |  |          |
| Lipomatosis                            |             |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 2.0       |  |          |
| Acinus, Atrophy                        |             |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   | 2 1.5       |  |          |
| Salivary Glands                        | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50          |  |          |
| Stomach, Forestomach<br>Mineralization | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49<br>1 1.0 |  |          |
| Ulcer                                  |             |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   | 2 2.5       |  |          |
| Epithelium, Hyperplasia                |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3 |   | 1 3.0       |  |          |
| Stomach, Glandular<br>Inflammation     | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49<br>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

| Wistar Han Rats Female<br>300 mg/kg | DAY ON TEST |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | * TOTALS |
|-------------------------------------|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----------|
|                                     | 02          | 06 | 00 | 07 | 07 | 07 | 03 | 07 | 06 | 05 | 03 | 07 | 00 | 07 | 07 | 00 | 04 | 07 | 07 | 07 | 07 | 05 | 07 | 06 |          |
| ANIMAL ID                           | 07          | 01 | 02 | 03 | 01 | 02 | 06 | 03 | 02 | 00 | 03 | 00 | 03 | 01 | 09 | 00 | 03 | 07 | 02 | 03 | 03 | 08 | 03 | 03 |          |
|                                     | 50          | 00 | 01 | 00 | 09 | 09 | 02 | 00 | 08 | 06 | 09 | 00 | 06 | 00 | 05 | 09 | 07 | 00 | 09 | 09 | 00 | 04 | 00 | 02 |          |
|                                     | 00          | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 | 00 |          |
|                                     | 33          | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 | 33 |          |
|                                     | 55          | 55 | 55 | 55 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 66 |          |
|                                     | 67          | 68 | 69 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 | 60 |          |

|                         |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |     |
|-------------------------|-------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|-----|
| Mineralization          | 1     |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 | 1.5 |
| Epithelium, Hyperplasia |       |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2 | 2.0 |
| Mucosa, Necrosis        | 1 1 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 7 | 1.1 |

CARDIOVASCULAR SYSTEM

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

ENDOCRINE SYSTEM

|                    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |    |     |
|--------------------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|----|-----|
| Adrenal Cortex     | + |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 49 |     |
| Angiectasis        |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 4  | 3.0 |
| Atrophy            |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1  | 3.0 |
| Hemorrhage         |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3  | 3.0 |
| Hyperplasia        |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2  | 1.8 |
| Hypertrophy        |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 1  | 1.6 |
| Mineralization     |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2  | 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

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<br>300 mg/kg | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS |
|-------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|
|                                     | 0<br>2<br>7<br>5      | 0<br>6<br>1<br>0      | 0<br>0<br>2<br>1      | 0<br>7<br>3<br>0      | 0<br>7<br>1<br>9      | 0<br>7<br>2<br>9      | 0<br>3<br>6<br>2      | 0<br>7<br>3<br>0      | 0<br>6<br>2<br>8      | 0<br>5<br>0<br>6      | 0<br>3<br>0<br>9      | 0<br>7<br>0<br>6      | 0<br>0<br>3<br>0      | 0<br>7<br>1<br>5      | 0<br>0<br>9<br>9      | 0<br>4<br>0<br>7      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>9      | 0<br>7<br>3<br>0      | 0<br>7<br>3<br>0      | 0<br>5<br>8<br>4      | 0<br>7<br>3<br>0      | 0<br>7<br>3<br>0      |                       |          |
| ANIMAL ID                           | 0<br>0<br>3<br>5<br>6 | 0<br>0<br>3<br>5<br>7 | 0<br>0<br>3<br>5<br>8 | 0<br>0<br>3<br>5<br>9 | 0<br>0<br>3<br>6<br>0 | 0<br>0<br>3<br>6<br>1 | 0<br>0<br>3<br>6<br>2 | 0<br>0<br>3<br>6<br>3 | 0<br>0<br>3<br>6<br>4 | 0<br>0<br>3<br>6<br>5 | 0<br>0<br>3<br>6<br>6 | 0<br>0<br>3<br>6<br>7 | 0<br>0<br>3<br>6<br>8 | 0<br>0<br>3<br>7<br>9 | 0<br>0<br>3<br>7<br>0 | 0<br>0<br>3<br>7<br>1 | 0<br>0<br>3<br>7<br>2 | 0<br>0<br>3<br>7<br>3 | 0<br>0<br>3<br>7<br>4 | 0<br>0<br>3<br>7<br>5 | 0<br>0<br>3<br>7<br>6 | 0<br>0<br>3<br>7<br>7 | 0<br>0<br>3<br>7<br>8 | 0<br>0<br>3<br>7<br>9 |          |

|                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |     |     |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-----|-----|
| Pars Distalis, Hyperplasia           | 2 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 17 | 2.9 |     |
| Thyroid Gland<br>C-cell, Hyperplasia | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 6   | 1.0 |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

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

**HEMATOPOIETIC SYSTEM**

|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |    |     |
|--|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|----|-----|
| Bone Marrow<br>Hyperplasia   | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 50 | 16 | 2.4 |
| Lymph Node<br>Bronchial, Inflammation<br>Iliac, Hyperplasia, Lymphoid<br>Mediastinal, Degeneration, Cystic |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  | 1  | 4.0 |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 1  | 3.0 |
|  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    | 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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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 FEMALE | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |
|------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|
|                        | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |          |
| 300 mg/kg              | 2           | 6 | 0 | 7 | 7 | 7 | 3 | 7 | 6 | 5 | 3 | 7 | 0 | 7 | 7 | 0 | 4 | 7 | 7 | 7 | 7 | 5 | 7 | 6 |          |
|                        | 7           | 1 | 2 | 3 | 1 | 2 | 6 | 3 | 2 | 0 | 0 | 3 | 0 | 3 | 1 | 9 | 0 | 3 | 2 | 3 | 3 | 8 | 3 | 3 |          |
|                        | 5           | 0 | 1 | 0 | 9 | 9 | 2 | 0 | 8 | 6 | 9 | 0 | 6 | 0 | 5 | 9 | 7 | 0 | 9 | 9 | 0 | 0 | 0 | 2 |          |
|                        | 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 |          |
|                        | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 |          |
|                        | 5           | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 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 |          |

Mediastinal, Hyperplasia, Plasma Cell 1 3.0  
 Mediastinal, Pigmentation, Hemosiderin 1 1.0  
 Renal, Inflammation 1 3.0

Lymph Node, Mandibular + 50  
 Atrophy 4 1 4.0  
 Degeneration, Cystic 2 5 1.8  
 Hyperplasia, Plasma Cell 3 3 2.3

Lymph Node, Mesenteric + + + + + + + + M + + + + + + + + + + + + + + + 48  
 Hyperplasia, Plasma Cell 1 2.0

Spleen + + + + + + + + M + + + + + + + + + + + + + + + 48  
 Depletion Lymphoid 2 2 5 1.8  
 Hematopoietic Cell Proliferation 2 4 3 10 3.0  
 Hyperplasia, Lymphoid 2 2 3 2.0  
 Inflammation 1 2.0

Thymus + 50

INTEGUMENTARY SYSTEM

Mammary Gland + 49  
 Hyperplasia 1 4.0

Skin + 50  
 Ulcer 3 1 3.0

MUSCULOSKELETAL SYSTEM

Bone + 50

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically M .. Missing tissue 1-4 .. Lesion qualified as:  
 X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate  
 I .. Insufficient tissue BLANK .. Not examined microscopically 2) Mild 4) Marked

Experiment Number: 20203 - 03

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**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

Green tea extract

CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013

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Lab: BAT

| WISTAR HAN RATS FEMALE<br>300 mg/kg                                 | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | * TOTALS |     |
|---|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------|-----|
|   | 0<br>2<br>7<br>5      | 0<br>6<br>1<br>0      | 0<br>0<br>2<br>1      | 0<br>7<br>3<br>0      | 0<br>7<br>1<br>9      | 0<br>7<br>2<br>9      | 0<br>3<br>6<br>2      | 0<br>7<br>3<br>0      | 0<br>6<br>3<br>8      | 0<br>5<br>2<br>6      | 0<br>3<br>0<br>9      | 0<br>7<br>0<br>6      | 0<br>0<br>3<br>0      | 0<br>7<br>0<br>5      | 0<br>0<br>4<br>7      | 0<br>4<br>7<br>0      | 0<br>7<br>2<br>9      | 0<br>7<br>2<br>0      | 0<br>7<br>3<br>0      | 0<br>5<br>3<br>4      | 0<br>7<br>3<br>0      | 0<br>7<br>8<br>0      | 0<br>6<br>3<br>0      |                       |          |     |
| ANIMAL ID   | 0<br>0<br>3<br>5<br>6 | 0<br>0<br>3<br>5<br>7 | 0<br>0<br>3<br>5<br>8 | 0<br>0<br>3<br>5<br>9 | 0<br>0<br>3<br>6<br>0 | 0<br>0<br>3<br>6<br>1 | 0<br>0<br>3<br>6<br>2 | 0<br>0<br>3<br>6<br>3 | 0<br>0<br>3<br>6<br>4 | 0<br>0<br>3<br>6<br>5 | 0<br>0<br>3<br>6<br>6 | 0<br>0<br>3<br>6<br>7 | 0<br>0<br>3<br>6<br>8 | 0<br>0<br>3<br>6<br>9 | 0<br>0<br>3<br>7<br>0 | 0<br>0<br>3<br>7<br>1 | 0<br>0<br>3<br>7<br>2 | 0<br>0<br>3<br>7<br>3 | 0<br>0<br>3<br>7<br>4 | 0<br>0<br>3<br>7<br>5 | 0<br>0<br>3<br>7<br>6 | 0<br>0<br>3<br>7<br>7 | 0<br>0<br>3<br>7<br>8 | 0<br>0<br>3<br>7<br>9 |          |     |
| Skeletal Muscle   | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3                     |          |     |
| <b>NERVOUS SYSTEM</b>   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |     |
| Brain Inflammation  | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50                    | 1        | 3.0 |
| <b>RESPIRATORY SYSTEM</b>   |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |          |     |
| Lung Congestion   | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50                    | 2        | 2.5 |
| Lung Edema  | 3                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     | 3.0      |     |
| Lung Inflammation, Suppurative                                      | 3                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     | 3.5      |     |
| Lung Inflammation, Chronic Active                                   | 1                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 13                    | 1.1      |     |
| Lung Alveolar Epithelium, Hyperplasia                               | 1                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 7                     | 1.3      |     |
| Lung Alveolus, Infiltration Cellular, Histiocyte                    | 1                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 18                    | 1.3      |     |
| Lung Serosa, Inflammation   | 1                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     | 2.0      |     |
| Nose Foreign Body   | +                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 50                    | 4        |     |
| Nose Inflammation, Suppurative                                      | 1                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 17                    | 1.5      |     |
| Nose Epithelium, Nasopharyngeal Duct, Accumulation, Hyaline Droplet | 1                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 3                     | 1.7      |     |
| Nose Epithelium, Nasopharyngeal Duct, Degeneration                  | 3                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     | 3.0      |     |
| Nose Epithelium, Nasopharyngeal Duct, Hyperplasia                   | 1                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 4                     | 1.0      |     |
| Nose Epithelium, Nasopharyngeal Duct, Inflammation, Suppurative     | 1                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 1                     | 2.0      |     |
| Nose Epithelium, Nasopharyngeal Duct, Necrosis                      | 3                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 2                     | 3.5      |     |
| Nose Lamina Propria, Mineralization                                 | 1                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 30                    | 1.4      |     |
| Nose Lamina Propria, Pigmentation                                   | 1                     |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | 6                     | 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 FEMALE                                | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | * TOTALS |   |               |                 |               |   |              |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               |              |              |
|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------|---|---------------|-----------------|---------------|---|--------------|---|---|---|---|---|---|---------------|---|---|---|---|---|---|---|---|---|---|--------------|---------------|--------------|--------------|
|   | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |          | 0 |               |                 |               |   |              |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               |              |              |
| <b>300 mg/kg</b>                                      | 2           | 6 | 0 | 7 | 7 | 7 | 3 | 7 | 6 | 5 | 3 | 7 | 0 | 7 | 7 | 0 | 4 | 7 | 7 | 7 | 7        | 5 | 7             | 6               |               |   |              |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               |              |              |
|   | 7           | 1 | 2 | 3 | 1 | 2 | 6 | 3 | 2 | 0 | 0 | 3 | 0 | 3 | 1 | 9 | 0 | 3 | 2 | 2 | 3        | 3 | 8             | 3               | 3             |   |              |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               |              |              |
|   | 5           | 0 | 1 | 0 | 9 | 9 | 2 | 0 | 8 | 6 | 9 | 0 | 6 | 0 | 5 | 9 | 7 | 0 | 9 | 9 | 0        | 0 | 4             | 0               | 2             |   |              |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               |              |              |
|   | 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             |   |              |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               |              |              |
|   | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3        | 3 | 3             | 3               | 3             |   |              |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               |              |              |
|   | 5           | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 7 | 7 | 7 | 7 | 7 | 7 | 7        | 7 | 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             |   |              |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               |              |              |
|   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |               | <b>* TOTALS</b> |               |   |              |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               |              |              |
| Nasopharyngeal Duct, Foreign Body                     |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |               | X               | <b>1</b>      |   |              |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               |              |              |
| Nasopharyngeal Duct, Inflammation, Suppurative        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |               | 2               | 1             | 1 | <b>5 1.2</b> |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               |              |              |
| Nasopharyngeal Duct, Mineralization                   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |               |                 |               |   | <b>1 1.0</b> |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               |              |              |
| Nerve, Atrophy  | 1           | 2 |   | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3        | 3 | 3             | 2               | <b>41 2.1</b> |   |              |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               |              |              |
| Olfactory Epithelium, Accumulation, Hyaline Droplet   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |               | 1               | 1             | 1 | 1            | 2 |   | 1 | 1 | 2 | 2 | <b>17 1.5</b> |   |   |   |   |   |   |   |   |   |   |              |               |              |              |
| Olfactory Epithelium, Atrophy                         | 1           | 2 |   | 2 | 2 | 2 | 2 | 2 | 2 | 1 |   | 2 | 2 | 2 | 2 | 1 | 1 | 1 | 3 | 1 | 2        | 2 | <b>42 1.7</b> |                 |               |   |              |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               |              |              |
| Olfactory Epithelium, Hyperplasia, Basal Cell         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |               | 1               |               |   | <b>8 1.1</b> |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               |              |              |
| Olfactory Epithelium, Metaplasia, Respiratory         | 3           | 3 |   | 3 | 3 | 2 |   | 2 | 2 | 3 |   | 3 | 3 |   | 3 | 3 | 3 | 3 | 3 | 3 | 3        | 3 | 2             | <b>43 2.7</b>   |               |   |              |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               |              |              |
| Olfactory Epithelium, Necrosis                        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |               |                 |               |   |              |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               | <b>1 2.0</b> |              |
| Olfactory Epithelium, Pigmentation                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |               | 1               | 2             |   |              |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               | <b>7 1.3</b> |              |
| Olfactory Epithelium, Squamous Metaplasia             |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |               |                 |               |   |              |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               |              | <b>1 1.0</b> |
| Respiratory Epithelium, Accumulation, Hyaline Droplet | 1           | 2 |   |   |   |   |   | 2 |   |   | 1 | 4 |   | 2 | 2 |   | 1 | 2 | 1 |   |          | 2 |               | <b>19 1.6</b>   |               |   |              |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               |              |              |
| Respiratory Epithelium, Atrophy                       |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |               |                 | 2             | 2 | 2            |   |   |   |   |   |   |               |   |   |   |   |   |   | 1 | 2 |   | 3 | <b>9 1.7</b> |               |              |              |
| Respiratory Epithelium, Hyperplasia                   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |               |                 |               |   |              |   |   |   |   |   | 1 |               |   |   |   |   |   |   |   |   |   |   |              |               | <b>2 1.0</b> |              |
| Respiratory Epithelium, Metaplasia, Squamous          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |               |                 |               |   |              |   |   |   |   |   |   |               |   | 1 |   |   |   |   |   |   |   |   |              |               | <b>1 1.0</b> |              |
| Respiratory Epithelium, Necrosis                      |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |               |                 |               |   |              |   |   |   |   |   |   |               |   | 1 |   |   |   |   |   |   |   |   |              |               | <b>2 1.5</b> |              |
| Respiratory Epithelium, Pigmentation                  | 1           |   |   |   | 1 |   |   | 1 |   |   |   |   |   |   |   |   |   |   |   |   |          | 1 |               | <b>5 1.2</b>    |               |   |              |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               |              |              |
| Turbinate, Deformity                                  |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |               |                 | X             | X | X            |   |   | X |   |   |   | X             | X |   |   | X | X |   | X | X |   |   |              | <b>20</b>     |              |              |
| Turbinate, Hyperostosis                               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |          |   |               |                 | 1             | 2 | 2            | 1 | 1 | 1 |   | 2 |   | 1             | 2 |   | 2 | 1 | 2 | 2 | 2 | 3 | 2 | 2 | 2            | <b>32 1.7</b> |              |              |
| Trachea   | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +        | + | +             | +               | <b>50</b>     |   |              |   |   |   |   |   |   |               |   |   |   |   |   |   |   |   |   |   |              |               |              |              |

**SPECIAL SENSES SYSTEM**

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

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

**URINARY SYSTEM**

|                                      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |    |       |        |
|--------------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----|-------|--------|
| Kidney                               | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | 49 |       |        |
| Atrophy                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4  | 1 4.0 |        |
| Cyst                                 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 2 1.5 |        |
| Hydronephrosis                       |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 3  | 2 2.5 |        |
| Inflammation                         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1  | 5 1.8 |        |
| Nephropathy                          | 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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/21/2013

Test Type: CHRONIC

Green tea extract

Time Report Requested: 07:54:40

Route: GAVAGE

CAS Number: GREENTEAEXTR

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

Species/Strain: RATS/Wistar Han

Lab: BAT

| Wistar Han Rats Female<br>1000 mg/kg  | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | ANIMAL ID            | females<br>(cont...) |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
|---------------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|----------------------|---|---|---|---|---|--|--|--|--|--|---|---|---|---|---|---|---|---|---|---|---|---|--|--|--|--|--|--|--|
|                                       | 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                    |                      |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
|                                       | 5           | 4 | 4 | 7 | 1 | 0 | 0 | 0 | 0 | 5 | 2 | 6 | 3 | 0 | 5 | 0 | 0 | 7 | 0 | 6 | 2 | 4 | 5 | 2 | 6 | 0                    |                      |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
|                                       | 9           | 4 | 4 | 1 | 7 | 1 | 9 | 1 | 0 | 3 | 1 | 0 | 3 | 9 | 8 | 8 | 9 | 2 | 9 | 2 | 4 | 3 | 1 | 1 | 0 |                      |                      |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
|                                       | 9           | 4 | 6 | 4 | 3 | 5 | 2 | 5 | 7 | 3 | 7 | 3 | 4 | 2 | 4 | 4 | 2 | 9 | 2 | 7 | 6 | 3 | 0 | 1 | 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 |                      |                      |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
|                                       | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 | 0 |                      |                      |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
|                                       | 8           | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 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 | females<br>(cont...) |                      |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| Mixed Cell Focus                      |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |                      |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| Necrosis                              | 3           | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4 | 4 | 3                    |                      |   |   |   |   |   |  |  |  |  |  | X | 3 | 4 | 4 | 4 | 3 |   |   |   |   |   |   |  |  |  |  |  |  |  |
| Pigmentation                          | 1           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 4                    | 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                              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |                      |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| Acinus, Atrophy                       | +           | + | + | + | M | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | +                    | +                    | + |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| Salivary Glands                       | +           | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +                    | M                    | + | + |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| Stomach, Forestomach                  | +           | + | + | + | A | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | +                    | +                    | + | + |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| Erosion                               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |                      |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| Inflammation                          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |                      |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| Mineralization                        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2                    | 1                    |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| Ulcer                                 |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2                    |                      |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| Epithelium, Hyperplasia               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |                      |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| Stomach, Glandular                    | +           | + | + | + | M | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | +                    | +                    | + | + |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| Inflammation                          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      |                      |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| Mineralization                        |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2                    |                      |   |   |   |   |   |  |  |  |  |  |   |   |   |   |   |   |   |   |   |   |   |   |  |  |  |  |  |  |  |
| Glands, Hyperplasia                   |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                      | 2                    | 1 | 2 | 1 | 1 | 3 |  |  |  |  |  |   |   |   |   |   |   | 3 | 2 |   |   |   |   |  |  |  |  |  |  |  |
| 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

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<br>1000 mg/kg | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       | ANIMAL ID | females<br>(cont...) |
|--------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|-----------|----------------------|
|                                      | 0<br>0<br>9<br>9 | 0<br>5<br>4<br>4 | 0<br>4<br>4<br>6 | 0<br>7<br>1<br>4 | 0<br>1<br>7<br>3 | 0<br>0<br>1<br>5 | 0<br>0<br>9<br>2 | 0<br>0<br>1<br>5 | 0<br>0<br>0<br>7 | 0<br>5<br>3<br>3 | 0<br>2<br>1<br>7 | 0<br>6<br>0<br>3 | 0<br>3<br>3<br>4 | 0<br>0<br>9<br>2 | 0<br>5<br>8<br>4 | 0<br>0<br>8<br>4 | 0<br>0<br>9<br>2 | 0<br>7<br>2<br>9 | 0<br>0<br>9<br>2 | 0<br>6<br>2<br>7 | 0<br>2<br>4<br>3 | 0<br>4<br>3<br>0 | 0<br>5<br>1<br>1 | 0<br>2<br>6<br>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<br>0<br>3<br>8<br>1 |           |                      |

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

ENDOCRINE SYSTEM

|                              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------------------------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Adrenal Cortex               | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Degeneration, Cystic         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hemorrhage                   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hyperplasia                  |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |
| Hypertrophy                  |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Necrosis                     |   |   | 3 |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |
| Adrenal Medulla              | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Islets, Pancreatic           | + | + | + | + | M | + | + | + | M | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + |
| Parathyroid Gland            | + | + | M | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | + | + | M |
| Pituitary Gland              | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pars Distalis, Angiectasis   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Pars Distalis, Hyperplasia   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   | 2 |   | 2 |   | 2 |   |   | 4 |
| Pars Intermedia, Angiectasis |   |   |   |   |   |   |   |   |   | 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

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 08/21/2013

Test Type: CHRONIC

Green tea extract

Time Report Requested: 07:54:40

Route: GAVAGE

CAS Number: GREENTEAEXTR

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

Species/Strain: RATS/Wistar Han

Lab: BAT

| WISTAR HAN RATS FEMALE | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | females<br>(cont...) |
|------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|----------------------|
|                        | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |   |                      |
| 1000 mg/kg             | 9           | 4 | 4 | 1 | 7 | 1 | 9 | 1 | 0 | 3 | 1 | 0 | 3 | 9 | 8 | 8 | 9 | 2 | 9 | 2 | 7 | 6 | 3 | 0 |   |                      |
|                        | 9           | 4 | 6 | 4 | 3 | 5 | 2 | 5 | 7 | 3 | 7 | 3 | 4 | 2 | 4 | 4 | 2 | 9 | 2 | 7 | 6 | 3 | 0 | 1 |   |                      |
|                        | 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 |   |                      |
|                        | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 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 | 9 | 9 | 9 | 9 |   |                      |
|                        | 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 |                      |

Thyroid Gland  
C-cell, Hyperplasia

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

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Clitoral Gland  
Inflammation

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

Ovary  
Cyst  
Inflammation

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

Uterus  
Congestion  
Infiltration Cellular, Plasma Cell  
Inflammation  
Endometrium, Hyperplasia, Cystic

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

HEMATOPOIETIC SYSTEM

Bone Marrow  
Hyperplasia

+ +

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

|                               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--|
| <b>WISTAR HAN RATS FEMALE</b> | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |  |
|                               | 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 |  |
| <b>1000 mg/kg</b>             | 0           | 5 | 4 | 7 | 1 | 0 | 0 | 0 | 0 | 5 | 2 | 6 | 3 | 0 | 5 | 0 | 0 | 7 | 0 | 6 | 2 | 4 | 5 | 2 | 6 |  |
|                               | 9           | 4 | 4 | 1 | 7 | 1 | 9 | 1 | 0 | 3 | 1 | 0 | 3 | 9 | 8 | 8 | 9 | 2 | 9 | 2 | 7 | 6 | 3 | 1 | 1 |  |
|                               | 9           | 4 | 6 | 4 | 3 | 5 | 2 | 5 | 7 | 3 | 7 | 3 | 4 | 2 | 4 | 4 | 2 | 9 | 2 | 7 | 6 | 3 | 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 |   |  |
|                               | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 4 | 4 | 4 | 4 |   |  |
|                               | 8           | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 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 |  |

females (cont...)

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 1 1 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  
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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

|                               |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                          |  |
|-------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|--------------------------|--|
|                               | DAY ON TEST |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |                          |  |
| <b>WISTAR HAN RATS FEMALE</b> | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                          |  |
|                               | 0           | 5 | 4 | 7 | 1 | 0 | 0 | 0 | 0 | 5 | 2 | 6 | 3 | 0 | 5 | 0 | 0 | 7 | 0 | 6 | 2 | 4 | 5 |                          |  |
|                               | 9           | 4 | 4 | 1 | 7 | 1 | 9 | 1 | 0 | 3 | 1 | 0 | 3 | 9 | 8 | 8 | 9 | 2 | 9 | 2 | 4 | 3 | 1 |                          |  |
|                               | 9           | 4 | 6 | 4 | 3 | 5 | 2 | 5 | 7 | 3 | 7 | 3 | 4 | 2 | 4 | 4 | 2 | 9 | 2 | 7 | 6 | 3 | 0 |                          |  |
| <b>1000 mg/kg</b>             | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | <b>females (cont...)</b> |  |
|                               | 0           | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |                          |  |
|                               | 3           | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 3 | 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 | 9 | 9 | 9 |                          |  |
|                               | 1           | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 | 1 | 2 | 3 |                          |  |

Hyperplasia  
Inflammation

MUSCULOSKELETAL SYSTEM

|      |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Bone | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
|------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

Skeletal Muscle

NERVOUS SYSTEM

|              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|--------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Brain        | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Inflammation |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 2 |   |   |   |   |   |

RESPIRATORY SYSTEM

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Lung  | + | + | + | + | + | + | + | M | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Congestion                                    |   |   |   |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |
| Edema   |   |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hemorrhage                                    |   |   |   |   |   | 2 |   |   |   |   |   | 2 |   |   |   |   |   |   |   |   |   |   |   |
| Inflammation, Suppurative                     |   |   | 4 |   |   |   |   |   |   |   |   |   |   | 4 |   |   |   |   |   |   |   |   |   |
| Inflammation, Chronic Active                  |   |   |   |   |   |   |   |   |   | 1 |   |   |   | 1 |   |   |   |   | 1 |   |   |   |   |
| Alveolar Epithelium, Hyperplasia              |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Alveolus, Infiltration Cellular, Histiocyte   |   | 1 |   | 1 |   |   |   |   |   | 1 |   |   |   |   |   |   |   | 1 |   | 1 |   |   | 2 |
| Nose  | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Foreign Body                                  |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | X |   |   |   |   |   |
| Inflammation, Suppurative                     | 1 | 3 |   | 1 | 3 |   |   | 3 | 3 |   | 1 | 1 |   | 2 | 2 |   |   | 1 |   | 3 |   | 2 | 1 |
| Inflammation, Acute                           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Epithelium, Nasopharyngeal Duct, Degeneration |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 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

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Green tea extract

CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013

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

Lab: BAT

| WISTAR HAN RATS FEMALE<br>1000 mg/kg                  | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |                  |                       |                  |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|-----------------------|------------------|
|   | 0<br>0<br>9<br>9 | 0<br>5<br>4<br>4 | 0<br>4<br>4<br>6 | 0<br>7<br>1<br>4 | 0<br>1<br>7<br>3 | 0<br>0<br>1<br>5 | 0<br>0<br>9<br>2 | 0<br>0<br>1<br>5 | 0<br>0<br>0<br>7 | 0<br>0<br>3<br>3 | 0<br>5<br>1<br>7 | 0<br>2<br>0<br>3 | 0<br>6<br>3<br>4 | 0<br>3<br>0<br>2 | 0<br>5<br>8<br>4 | 0<br>0<br>8<br>4 | 0<br>0<br>9<br>2 | 0<br>7<br>2<br>9 | 0<br>6<br>2<br>7 | 0<br>2<br>4<br>6 |           |                      | 0<br>4<br>3<br>0 | 0<br>5<br>1<br>1      | 0<br>2<br>1<br>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<br>0<br>3<br>8<br>1 |                  |
| Epithelium, Nasopharyngeal Duct, Hyperplasia          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                       | 2                |
| Epithelium, Nasopharyngeal Duct, Necrosis             | 4                |                  |                  |                  | 1                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                       |                  |
| Epithelium, Nasopharyngeal Duct, Regeneration         |                  |                  |                  |                  | 3                |                  |                  |                  |                  |                  |                  |                  | 3                |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                       |                  |
| Lamina Propria, Mineralization                        |                  | 2                |                  | 1                |                  |                  |                  |                  |                  |                  |                  | 1                | 2                | 2                |                  |                  |                  | 1                |                  |                  | 2         | 1                    | 1                |                       |                  |
| Lamina Propria, Pigmentation                          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1                | 1                | 3                |                  | 1                |                  |                  |                  |                  | 4         |                      |                  |                       |                  |
| Nasopharyngeal Duct, Foreign Body                     |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      | X                |                       |                  |
| Nasopharyngeal Duct, Inflammation, Suppurative        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 3                |                  |                  | 2                |                  | 3                | 2                |                  |                  | 2                |           |                      |                  |                       |                  |
| Nasopharyngeal Duct, Inflammation, Acute              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                       |                  |
| Nerve, Atrophy  | 1                | 3                | 2                | 3                |                  |                  |                  |                  |                  | 2                |                  |                  | 3                |                  |                  | 2                |                  |                  | 2                |                  | 3         | 2                    | 2                | 3                     | 2                |
| Olfactory Epithelium, Accumulation, Hyaline Droplet   |                  |                  |                  | 1                |                  |                  |                  |                  |                  |                  |                  | 1                |                  |                  |                  | 1                |                  |                  |                  |                  |           |                      |                  |                       |                  |
| Olfactory Epithelium, Atrophy                         | 1                | 1                | 2                |                  |                  |                  |                  | 2                |                  | 3                | 1                |                  |                  |                  |                  | 2                |                  |                  | 2                |                  | 2         | 2                    | 1                | 2                     | 2                |
| Olfactory Epithelium, Hyperplasia, Basal Cell         |                  |                  |                  | 3                |                  |                  |                  |                  |                  |                  |                  |                  | 3                |                  |                  | 2                |                  |                  | 1                |                  | 1         | 2                    |                  | 1                     | 3                |
| Olfactory Epithelium, Metaplasia, Respiratory         | 4                | 3                | 3                |                  |                  |                  |                  |                  |                  | 3                | 2                | 4                |                  | 1                | 3                |                  |                  | 3                |                  | 4                | 2         | 3                    | 3                | 2                     | 3                |
| Olfactory Epithelium, Necrosis                        |                  | 1                |                  |                  | 2                |                  |                  | 3                | 1                | 2                | 1                |                  | 2                |                  | 2                | 2                |                  |                  |                  | 1                |           |                      |                  |                       |                  |
| Olfactory Epithelium, Pigmentation                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1                |           | 2                    |                  |                       |                  |
| Olfactory Epithelium, Regeneration                    |                  |                  |                  |                  |                  |                  |                  | 2                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                       |                  |
| Olfactory Epithelium, Squamous Metaplasia             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                       |                  |
| Respiratory Epithelium, Accumulation, Hyaline Droplet |                  |                  |                  | 1                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 3                |           |                      |                  |                       | 2                |
| Respiratory Epithelium, Atrophy                       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1                |                  |                  |                  |                  |                  |                  |           |                      |                  |                       |                  |
| Respiratory Epithelium, Hyperplasia                   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1                |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                       |                  |
| Respiratory Epithelium, Metaplasia, Squamous          |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1                |                  | 1                |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                       |                  |
| Respiratory Epithelium, Necrosis                      | 3                | 1                |                  |                  | 2                |                  |                  | 2                | 3                |                  |                  |                  |                  | 3                |                  | 2                | 4                |                  |                  |                  |           |                      |                  |                       |                  |
| Respiratory Epithelium, Pigmentation                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                       |                  |
| Respiratory Epithelium, Regeneration                  |                  |                  |                  |                  | 2                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                       |                  |
| Squamous Epithelium, Hyperplasia                      |                  |                  |                  | 1                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                       |                  |
| Turbinate, Deformity                                  |                  |                  |                  | X                |                  |                  |                  |                  |                  | X                |                  | X                |                  |                  |                  |                  |                  |                  |                  |                  |           |                      |                  |                       |                  |

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

+ .. Tissue examined microscopically

X .. Lesion present

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Green tea extract

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|                               |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                              |
|-------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------------------|
| <b>WISTAR HAN RATS FEMALE</b> | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | <b>females<br/>(cont...)</b> |
|                               | 0<br>4<br>9<br>7 | 0<br>3<br>7<br>3 | 0<br>7<br>2<br>9 | 0<br>0<br>9<br>9 | 0<br>5<br>3<br>7 | 0<br>0<br>9<br>2 | 0<br>4<br>7<br>1 | 0<br>4<br>4<br>4 | 0<br>6<br>5<br>6 | 0<br>5<br>0<br>9 | 0<br>5<br>1<br>3 | 0<br>0<br>9<br>2 | 0<br>4<br>0<br>8 | 0<br>0<br>9<br>6 | 0<br>6<br>1<br>1 | 0<br>1<br>6<br>5 | 0<br>0<br>9<br>2 | 0<br>0<br>4<br>2 | 0<br>5<br>5<br>0 | 0<br>5<br>9<br>3 | 0<br>5<br>1<br>1 | 0<br>1<br>7<br>3 | 0<br>1<br>6<br>1 |                  |                              |
|                               | 0<br>0<br>4<br>0 | 0<br>0<br>4<br>0 | 0<br>0<br>4<br>0 | 0<br>0<br>4<br>0 | 0<br>0<br>4<br>1 | 0<br>0<br>4<br>1 | 0<br>0<br>4<br>1 | 0<br>0<br>4<br>1 | 0<br>0<br>4<br>1 | 0<br>0<br>4<br>1 | 0<br>0<br>4<br>1 | 0<br>0<br>4<br>1 | 0<br>0<br>4<br>1 | 0<br>0<br>4<br>1 | 0<br>0<br>4<br>2 | 0<br>0<br>4<br>2 | 0<br>0<br>4<br>2 | 0<br>0<br>4<br>2 | 0<br>0<br>4<br>2 | 0<br>0<br>4<br>2 | 0<br>0<br>4<br>2 | 0<br>0<br>4<br>2 | 0<br>0<br>4<br>2 | 0<br>0<br>4<br>3 |                              |
| <b>1000 mg/kg</b>             | ANIMAL ID        |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                              |

**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 Basophilic Focus                                      | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | M | M | + |
| Clear Cell Focus  |   |   | X |   | X |   | X |   | X |   |   |   |   |   |   |   |   |   | X |   | X |   |   |   |   |
| Eosinophilic Focus  |   |   | X |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
| Hematopoietic Cell Proliferation, Granulocytic Inflammation |   |   | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
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| WISTAR HAN RATS FEMALE<br>1000 mg/kg  | DAY ON TEST      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | ANIMAL ID | females<br>(cont...) |                  |                  |                  |
|---|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|----------------------|------------------|------------------|------------------|
|   | 0<br>4<br>9<br>7 | 0<br>3<br>7<br>3 | 0<br>7<br>2<br>9 | 0<br>0<br>9<br>9 | 0<br>5<br>3<br>7 | 0<br>0<br>9<br>2 | 0<br>4<br>7<br>4 | 0<br>4<br>4<br>1 | 0<br>6<br>5<br>4 | 0<br>5<br>0<br>9 | 0<br>5<br>1<br>3 | 0<br>0<br>9<br>2 | 0<br>4<br>0<br>8 | 0<br>0<br>9<br>6 | 0<br>6<br>1<br>1 | 0<br>1<br>6<br>5 | 0<br>0<br>9<br>2 | 0<br>0<br>4<br>2 | 0<br>5<br>4<br>0 | 0<br>5<br>1<br>3 |           |                      | 0<br>5<br>9<br>1 | 0<br>5<br>3<br>7 | 0<br>1<br>7<br>3 |
| Mixed Cell Focus<br>Necrosis  | 3                | 4                |                  | 1                |                  | 4                |                  |                  |                  |                  |                  | 4                | 3                |                  | 1                | 4                |                  |                  | 3                | 4                | 4         |                      | 2                |                  |                  |
| Pigmentation  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 3         |                      | 3                |                  |                  |
| Vacuolization Cytoplasmic, Focal<br>Bile Duct, Hyperplasia  | 2                | 1                |                  |                  |                  |                  |                  | 1                |                  |                  |                  | 1                | 2                |                  | 1                |                  |                  |                  | 1                |                  |           |                      | 2                |                  |                  |
| Hepatocyte, Hyperplasia, Regenerative<br>Hepatocyte, Hypertrophy<br>Oval Cell, Hyperplasia            | 1                | 1                | 2                |                  |                  |                  |                  |                  |                  |                  |                  | 1                |                  |                  | 1                | 1                |                  |                  |                  | 1                |           |                      | 2                |                  |                  |
| Mesentery   |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | +                |                  |                  |                  |                  |                  |                  |                  |                  |           |                      | +                |                  |                  |
| Pancreas<br>Acinus, Atrophy   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | M M +            |                  |
| Salivary Glands   | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | M                | M         | +                    | +                | +                | +                |
| Stomach, Forestomach<br>Erosion<br>Inflammation<br>Mineralization<br>Ulcer<br>Epithelium, Hyperplasia | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | M M +            |                  |
| Stomach, Glandular<br>Inflammation<br>Mineralization<br>Glands, Hyperplasia<br>Mucosa, Necrosis       | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +         | +                    | +                | M M +            |                  |
|   | 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 M .. Missing tissue 1-4 .. Lesion qualified as:  
 X .. Lesion present A .. Autolysis precludes evaluation 1) Minimal 3) Moderate  
 I .. Insufficient tissue BLANK .. Not examined microscopically 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<br>1000 mg/kg | DAY ON TEST           |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       |                       | females<br>(cont...) |
|--------------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|----------------------|
|                                      | 0<br>4<br>9<br>7      | 0<br>3<br>7<br>3      | 0<br>7<br>2<br>9      | 0<br>0<br>9<br>9      | 0<br>5<br>3<br>7      | 0<br>0<br>9<br>2      | 0<br>4<br>7<br>1      | 0<br>4<br>4<br>4      | 0<br>6<br>5<br>6      | 0<br>5<br>0<br>9      | 0<br>5<br>1<br>3      | 0<br>0<br>9<br>2      | 0<br>4<br>0<br>8      | 0<br>0<br>9<br>6      | 0<br>6<br>1<br>1      | 0<br>1<br>6<br>5      | 0<br>0<br>9<br>2      | 0<br>0<br>4<br>2      | 0<br>5<br>1<br>0      | 0<br>5<br>9<br>3      | 0<br>5<br>3<br>1      | 0<br>1<br>7<br>3      | 0<br>1<br>6<br>1      |                       |                      |
| ANIMAL ID                            | 0<br>0<br>4<br>0<br>6 | 0<br>0<br>4<br>0<br>7 | 0<br>0<br>4<br>0<br>8 | 0<br>0<br>4<br>0<br>9 | 0<br>0<br>4<br>1<br>0 | 0<br>0<br>4<br>1<br>1 | 0<br>0<br>4<br>1<br>1 | 0<br>0<br>4<br>1<br>1 | 0<br>0<br>4<br>1<br>1 | 0<br>0<br>4<br>1<br>1 | 0<br>0<br>4<br>1<br>1 | 0<br>0<br>4<br>1<br>1 | 0<br>0<br>4<br>1<br>1 | 0<br>0<br>4<br>1<br>2 | 0<br>0<br>4<br>2<br>2 | 0<br>0<br>4<br>2<br>2 | 0<br>0<br>4<br>2<br>2 | 0<br>0<br>4<br>2<br>2 | 0<br>0<br>4<br>2<br>2 | 0<br>0<br>4<br>2<br>2 | 0<br>0<br>4<br>2<br>2 | 0<br>0<br>4<br>2<br>2 | 0<br>0<br>4<br>2<br>2 | 0<br>0<br>4<br>2<br>2 |                      |

Mediastinal, Pigmentation, Hemosiderin  
Renal, Hyperplasia, Plasma Cell

2

Lymph Node, Mandibular  
Atrophy  
Congestion  
Degeneration, Cystic  
Hyperplasia, Plasma Cell  
Inflammation

+ + + + + + + + + + + + + + + + + M M + + + +  
3  
4  
2 3

Lymph Node, Mesenteric  
Atrophy  
Congestion  
Hyperplasia, Plasma Cell  
Infiltration Cellular, Histiocyte

+ M +  
3  
2

Spleen  
Depletion Lymphoid  
Hematopoietic Cell Proliferation  
Hyperplasia, Lymphoid

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

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<br>1000 mg/kg | DAY ON TEST | 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 | females<br>(cont...) |   |  |  |
|--------------------------------------|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|-----------|----------------------|---|--|--|
|                                      | 4           | 3 | 7 | 0 | 5 | 0 | 4 | 4 | 6 | 5 | 5 | 0 | 4 | 0 | 0 | 6 | 1 | 0 | 0 | 5 | 5 | 5 | 5 | 1 |           |                      | 1 |  |  |
|                                      | 9           | 7 | 2 | 9 | 3 | 9 | 7 | 4 | 5 | 0 | 1 | 9 | 0 | 9 | 9 | 1 | 6 | 9 | 9 | 4 | 1 | 9 | 3 | 7 | 6         | 0                    |   |  |  |
|                                      | 7           | 3 | 9 | 9 | 7 | 2 | 1 | 4 | 6 | 9 | 3 | 2 | 8 | 6 | 2 | 1 | 5 | 2 | 2 | 0 | 3 | 9 | 1 | 3 | 1         | 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                    |   |  |  |
|                                      | 4           | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4         | 4                    |   |  |  |
|                                      | 0           | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 3         | 0                    |   |  |  |
|                                      | 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                    |   |  |  |
| Turbinate, Hyperostosis              | 3           | 1 | 4 |   |   |   |   | 2 | 2 | 2 | 3 | 2 |   | 1 |   |   | 3 | 1 |   |   | 3 | 2 | 3 | 1 | 1         | 3                    |   |  |  |
| Trachea                              | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         |                      |   |  |  |
| Hemorrhage                           |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |  |  |
| Inflammation                         | 2           |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |  |  |
| <b>SPECIAL SENSES SYSTEM</b>         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |  |  |
| Eye                                  | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         |                      |   |  |  |
| Synechia                             |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |  |  |
| Retina, Dysplasia                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |  |  |
| Harderian Gland                      | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         |                      |   |  |  |
| <b>URINARY SYSTEM</b>                |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |  |  |
| Kidney                               | +           | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | + | +         |                      |   |  |  |
| Hydronephrosis                       |             |   |   |   |   |   |   |   |   | 3 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |  |  |
| Inflammation                         |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |  |  |
| Nephropathy                          |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |           |                      |   |  |  |
| Papilla, Mineralization              |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |           |                      |   |  |  |
| Papilla, Necrosis                    |             |   |   |   |   |   |   |   |   |   |   |   |   |   |   | 1 |   |   |   |   |   |   |   |   |           |                      |   |  |  |
| 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

A .. Autolysis precludes evaluation

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Experiment Number: 20203 - 03

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Green tea extract

CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013

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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               | 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 |   |
| 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 | 4 |   |
| 1               | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 0 |   |
| <b>* TOTALS</b> |   |   |   |   |   |   |   |   |   |   |

ALIMENTARY SYSTEM

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

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+ .. Tissue examined microscopically

X .. Lesion present

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

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|--------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------|-----------------|--|---------------|
|                                      | 0<br>4<br>3<br>4 | 0<br>2<br>6<br>7 | 0<br>0<br>9<br>2 | 0<br>5<br>7<br>4 | 0<br>2<br>3<br>6 | 0<br>3<br>8<br>6 | 0<br>6<br>6<br>8 | 0<br>0<br>2<br>0 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 |           |                 |  |               |
|                                      | 0                | 0                | 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                | 4         |                 |  |               |
|                                      | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 3                | 4         |                 |  |               |
|                                      | 1                | 2                | 3                | 4                | 5                | 6                | 7                | 8                | 9                | 0                |           |                 |  |               |
|                                      |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           | <b>* TOTALS</b> |  |               |
| Blood Vessel                         | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |           |                 |  | <b>56</b>     |
| Heart                                | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |           |                 |  | <b>58</b>     |
| Cardiomyopathy                       |                  |                  |                  | 1                |                  |                  |                  |                  |                  |                  |           |                 |  | <b>12 1.1</b> |
| Inflammation                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                 |  | <b>2 1.5</b>  |
| Mineralization                       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                 |  | <b>1 2.0</b>  |
| Endocardium, Fibrosis                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                 |  | <b>1 2.0</b>  |
| Endocardium, Hyperplasia             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                 |  | <b>1 2.0</b>  |
| Epicardium, Inflammation             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                 |  | <b>4 1.5</b>  |
| <b>ENDOCRINE SYSTEM</b>              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                 |  |               |
| Adrenal Cortex                       | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |           |                 |  | <b>57</b>     |
| Degeneration, Cystic                 |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                 |  | <b>1 2.0</b>  |
| Hemorrhage                           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                 |  | <b>1 3.0</b>  |
| Hyperplasia                          |                  |                  |                  |                  |                  |                  | 1                |                  |                  |                  |           |                 |  | <b>7 1.3</b>  |
| Hypertrophy                          |                  |                  |                  |                  |                  |                  |                  | 2                |                  |                  |           |                 |  | <b>4 2.0</b>  |
| Necrosis                             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                 |  | <b>3 3.0</b>  |
| Adrenal Medulla                      | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |           |                 |  | <b>57</b>     |
| Islets, Pancreatic                   | +                | +                | +                | +                | M                | +                | +                | +                | +                | +                |           |                 |  | <b>54</b>     |
| Parathyroid Gland                    | +                | +                | +                | M                | +                | +                | +                | +                | +                | +                |           |                 |  | <b>54</b>     |
| Pituitary Gland                      | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |           |                 |  | <b>60</b>     |
| Pars Distalis, Angiectasis           |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                 |  | <b>1 3.0</b>  |
| Pars Distalis, Hyperplasia           |                  |                  |                  | 1                |                  |                  | 1                |                  | 1                | 2                |           |                 |  | <b>13 2.3</b> |
| Pars Intermedia, Angiectasis         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |           |                 |  | <b>1 4.0</b>  |

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

+ .. Tissue examined microscopically

X .. Lesion present

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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

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

|                     |   |   |   |   |   |   |   |   |   |   |              |
|---------------------|---|---|---|---|---|---|---|---|---|---|--------------|
| Thyroid Gland       | + | + | + | + | + | + | + | + | + | + | <b>57</b>    |
| C-cell, Hyperplasia |   |   |   | 1 |   |   |   |   |   | 3 | <b>4 1.5</b> |

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

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

**HEMATOPOIETIC SYSTEM**

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

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

+ .. Tissue examined microscopically

X .. Lesion present

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Green tea extract

CAS Number: GREENTEAEXTR

Date Report Requested: 08/21/2013

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

Lab: BAT

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

|  |   |   |     |
|--|---|---|-----|
| Mediastinal, Pigmentation, Hemosiderin |   | 1 |     |
| Renal, Hyperplasia, Plasma Cell        | 3 | 2 | 3.0 |

|                          |   |   |   |   |   |   |   |   |   |   |           |     |
|--------------------------|---|---|---|---|---|---|---|---|---|---|-----------|-----|
| Lymph Node, Mandibular   | + | + | + | + | + | + | + | + | + | + |           |     |
| Atrophy                  |   |   |   |   |   |   |   |   |   |   | <b>56</b> |     |
| Congestion               |   |   |   |   |   |   |   |   |   |   | 1         | 3.0 |
| Degeneration, Cystic     |   |   |   |   |   |   |   |   |   |   | 1         | 4.0 |
| Hyperplasia, Plasma Cell |   |   |   |   |   |   |   |   |   |   | 2         | 2.0 |
| Inflammation             |   |   | 2 | 2 |   |   |   |   |   |   | 9         | 2.4 |
|                          |   |   |   |   |   |   |   |   |   |   | 1         | 2.0 |

|                                   |   |   |   |   |   |   |   |   |   |   |           |     |     |
|-----------------------------------|---|---|---|---|---|---|---|---|---|---|-----------|-----|-----|
| Lymph Node, Mesenteric            | + | + | + | + | M | + | + | + | + | + |           |     |     |
| Atrophy                           |   |   |   |   |   |   |   |   |   |   | <b>55</b> |     |     |
| Congestion                        |   |   |   |   |   |   |   |   |   |   | 1         | 3.0 |     |
| Hyperplasia, Plasma Cell          |   |   |   |   |   |   |   |   |   |   | 1         | 3.0 |     |
| Infiltration Cellular, Histiocyte |   |   | 3 |   |   |   |   |   |   |   |           | 1   | 2.0 |

|                                  |   |   |   |   |   |   |   |   |   |   |   |           |     |
|----------------------------------|---|---|---|---|---|---|---|---|---|---|---|-----------|-----|
| Spleen                           | + | + | + | + | M | + | + | + | + | + |   |           |     |
| Depletion Lymphoid               |   |   | 3 |   |   | 3 |   |   |   |   |   | <b>53</b> |     |
| Hematopoietic Cell Proliferation | 2 |   |   | 4 |   |   | 3 |   |   |   |   | 17        | 1.7 |
| Hyperplasia, Lymphoid            |   |   |   |   |   |   |   |   |   |   | 5 | 3.0       |     |
|                                  |   |   |   |   |   |   |   |   |   |   | 1 | 2.0       |     |

|            |   |   |   |   |   |   |   |   |   |   |           |     |
|------------|---|---|---|---|---|---|---|---|---|---|-----------|-----|
| Thymus     | + | + | + | + | + | + | + | + | + | + |           |     |
| Cyst       |   |   |   |   |   |   |   |   |   |   | <b>57</b> |     |
| Hemorrhage |   |   |   |   |   | 3 |   |   |   |   | 1         | 3.0 |
|            |   |   |   |   |   |   |   |   |   |   | 1         | 3.0 |

**INTEGUMENTARY SYSTEM**

|                  |   |   |   |   |   |   |   |   |   |   |           |     |
|------------------|---|---|---|---|---|---|---|---|---|---|-----------|-----|
| Mammary Gland    | + | + | + | + | + | + | + | + | + | + |           |     |
| Duct, Dilatation |   |   |   |   |   |   |   |   |   |   | <b>57</b> |     |
|                  |   |   |   |   |   |   |   |   |   |   | 1         | 3.0 |

|      |   |   |   |   |   |   |   |   |   |   |           |  |
|------|---|---|---|---|---|---|---|---|---|---|-----------|--|
| Skin | + | + | + | + | + | + | + | + | + | + |           |  |
|      |   |   |   |   |   |   |   |   |   |   | <b>60</b> |  |

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

+ .. Tissue examined microscopically

X .. Lesion present

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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

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

|              |   |   |     |
|--------------|---|---|-----|
| 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              |   |   |   |   |   |   |   |   |   |        | 3 1.7  |
| Alveolus, Infiltration Cellular, Histiocyte   |   |   |   | 1 | 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  |        |

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

+ .. Tissue examined microscopically

X .. Lesion present

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

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|--------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|-----------------------|--|--|-----------------|
|                                      | 0<br>4<br>3<br>4 | 0<br>2<br>6<br>7 | 0<br>0<br>9<br>2 | 0<br>5<br>7<br>4 | 0<br>2<br>3<br>6 | 0<br>3<br>8<br>6 | 0<br>6<br>6<br>8 | 0<br>0<br>2<br>0 | 0<br>7<br>2<br>9 | 0<br>7<br>2<br>9 |                       |  |  |                 |
|                                      | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0                | 0<br>0<br>4<br>3<br>1 |  |  |                 |
|                                      | 1                | 1                | 2                | 3                | 2                | 3                | 3                |                  |                  |                  |                       |  |  | <b>* TOTALS</b> |
| Turbinate, Hyperostosis              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |  |  | <b>36 2.2</b>   |
| Trachea                              | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |                       |  |  | <b>60</b>       |
| Hemorrhage                           |                  |                  |                  |                  |                  |                  |                  | 2                |                  |                  |                       |  |  | <b>1 2.0</b>    |
| Inflammation                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |  |  | <b>1 2.0</b>    |
| <b>SPECIAL SENSES SYSTEM</b>         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |  |  |                 |
| Eye                                  | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |                       |  |  | <b>59</b>       |
| Synechia                             |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |  |  | <b>2 3.0</b>    |
| Retina, Dysplasia                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |  |  | <b>1 2.0</b>    |
| Harderian Gland                      | +                | +                | +                | +                | +                | +                | +                | +                | +                | +                |                       |  |  | <b>59</b>       |
| <b>URINARY SYSTEM</b>                |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |  |  |                 |
| Kidney                               | +                | +                | +                | +                | M                | +                | +                | +                | +                | +                |                       |  |  | <b>55</b>       |
| Hydronephrosis                       |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |  |  | <b>3 2.3</b>    |
| Inflammation                         |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |  |  | <b>1 1.0</b>    |
| Nephropathy                          |                  |                  |                  | 1                |                  |                  |                  |                  | 1                |                  |                       |  |  | <b>4 1.0</b>    |
| Papilla, Mineralization              |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |  |  | <b>1 1.0</b>    |
| Papilla, Necrosis                    |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                       |  |  | <b>1 1.0</b>    |
| Urinary Bladder                      | +                | +                | +                | +                | M                | +                | +                | +                | +                | +                |                       |  |  | <b>54</b>       |

\*\*\* END OF REPORT \*\*\*

\* .. 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