

TDMS No. 20306 - 02
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: RATS/SD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
PCN 66/67 COMPARISON STUDY
CAS Number: PCNCOMPARISN
Pathologist: VASCONCELOS, D.
F1 PCN 66

Date Report Reqsted: 12/05/2005
Time Report Reqsted: 12:37:34
First Dose M/F: NA / 10/06/03
Lab: BAT

C Number: C20306

Lock Date: 10/07/2004

Cage Range: ALL

Date Range: ALL

Reasons For Removal: ALL

Removal Date Range: ALL

Treatment Groups:	Include 001 0 NG/KG	Include 002 1000 NG/KG 66	Include 003 10,000 NG/KG 66
	Include 004 50,000 NG/KG 66	Include 005 100,000 NG/KG 66	Include 006 200,000 NG/KG 66

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0
FEMALE	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
0 NG/KG	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule			X								1
Inflammation, Chronic Active	1		1	1	1	1	1		1		8 1.0
Necrosis				2							1 2.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Epithelium, Hyperkeratosis						1					1 1.0

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		9	9	9	9	9	9	9	9	9	9
		4	4	4	4	4	4	4	4	4	4
SPRAGUE-DAWLEY RATS FEMALE		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	2	2	2	2	2	2	2	2	2	3
	0 NG/KG	1	2	3	4	5	6	7	8	9	0
* TOTALS											

Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
Tongue	+	+	+	+	+	+	+	+	+	+	10
Tooth						+					1
Gingiva, Inflammation						1					1 1.0

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Follicular Cell, Hypertrophy	1										1 1.0

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		9	9	9	9	9	9	9	9	9	9
		4	4	4	4	4	4	4	4	4	4
SPRAGUE-DAWLEY RATS FEMALE		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	2	2	2	2	2	2	2	2	2	3
	0 NG/KG	1	2	3	4	5	6	7	8	9	0
* TOTALS											

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Clitoral Gland Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	10	6 1.5
Ovary	+	+	+	+	+	+	+	+	+	+	10	
Uterus	+	+	+	+	+	+	+	+	+	+	10	
Vagina	+	+	+	+	+	+	+	+	+	+	10	

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10	
Spleen Pigmentation, Hemosiderin	+	+	+	+	+	+	+	+	+	+	10	10 1.0

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		9	9	9	9	9	9	9	9	9	9	
		4	4	4	4	4	4	4	4	4	4	
SPRAGUE-DAWLEY RATS		0	0	0	0	0	0	0	0	0	0	
FEMALE		0	0	0	0	0	0	0	0	0	0	
0 NG/KG		0	0	0	0	0	0	0	0	0	0	
ANIMAL ID		2	2	2	2	2	2	2	2	2	3	
		1	2	3	4	5	6	7	8	9	0	* TOTALS
Thymus		+	+	+	+	+	+	+	+	+	+	10
INTEGUMENTARY SYSTEM												
Mammary Gland		+	+	+	+	+	+	+	+	+	+	10
Skin		+	+	+	+	+	+	+	+	+	+	10
MUSCULOSKELETAL SYSTEM												
Bone		+	+	+	+	+	+	+	+	+	+	10
NERVOUS SYSTEM												
Brain		+	+	+	+	+	+	+	+	+	+	10
RESPIRATORY SYSTEM												
Lung		+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active											1	1 1.0
Alveolus, Infiltration Cellular, Histiocyte							1					1 1.0
Nose		+	+	+	+	+	+	+	+	+	+	10
Respiratory Epithelium, Inflammation			2		1							2 1.5

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		9	9	9	9	9	9	9	9	9	9	
		4	4	4	4	4	4	4	4	4	4	
SPRAGUE-DAWLEY RATS		0	0	0	0	0	0	0	0	0	0	
FEMALE		0	0	0	0	0	0	0	0	0	0	
0 NG/KG		0	0	0	0	0	0	0	0	0	0	
ANIMAL ID		2	2	2	2	2	2	2	2	2	3	
		1	2	3	4	5	6	7	8	9	0	* TOTALS
Trachea		+	+	+	+	+	+	+	+	+	+	10
SPECIAL SENSES SYSTEM												
Eye		+	+	+	+	+	+	+	+	+	+	10
Harderian Gland		+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Mononuclear Cell								X				1
URINARY SYSTEM												
Kidney		+	+	+	+	+	+	+	+	+	+	10
Mineralization				1	1	1		1				4 1.0
Nephropathy		1	1			1	1		1		1	6 1.0
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	10

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	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0
FEMALE	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	1
1000 NG/KG 66	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active	1	1	1	2	1	1	1	1	1	1	9 1.1
Hepatocyte, Hypertrophy		1	1	1				1			4 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

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	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
.....											
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0	
FEMALE	0	0	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	4	4	
ANIMAL ID	0	0	0	0	0	0	0	0	0	1	
1000 NG/KG 66	1	2	3	4	5	6	7	8	9	0	* TOTALS

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Ovary	+	+	+	+	+	+	+	+	+	+	10
Germinal Epithelium, Cyst									3		1 3.0
Uterus	+	+	+	+	+	+	+	+	+	+	10
Vagina	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Spleen	+	+	+	+	+	+	+	+	+	+	10
Pigmentation, Hemosiderin	1	2	1	1	1	1	1	2	1	1	10 1.2
Thymus	+	+	+	+	+	+	+	+	+	+	10

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10

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	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0
FEMALE	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0	0	1
1000 NG/KG 66	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

MUSCULOSKELETAL SYSTEM
 NONE

NERVOUS SYSTEM
 NONE

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10
Alveolus, Infiltration Cellular, Histiocyte		1									1 1.0

SPECIAL SENSES SYSTEM
 NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Mineralization	1			1	1	1		1	1		6 1.0
Nephropathy		1		1	1	1	1	1		1	7 1.0

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	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0
FEMALE	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	1	1	1	1	1	1	1	1	1	2
10,000 NG/KG 66	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule			X								1
Inflammation, Chronic Active	1	1	1	1	2	1	2	1	1	1	10 1.2
Hepatocyte, Hypertrophy	1	1		1	1	1			1		6 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Epithelium, Necrosis			1								1 1.0
Tooth					+						1
Gingiva, Inflammation					1						1 1.0

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10

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	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
SPRAGUE-DAWLEY RATS FEMALE	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	4
	ANIMAL ID	1	1	1	1	1	1	1	1	2
	10,000 NG/KG 66	1	2	3	4	5	6	7	8	9

*** TOTALS**

Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Follicular Cell, Hypertrophy			1					1			2 1.0

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10
Vagina	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Spleen	+	+	+	+	+	+	+	+	+	+	10
Pigmentation, Hemosiderin	1	1	1	1	1	1	1	1	1	1	10 1.0
Thymus	+	+	+	+	+	+	+	+	+	+	10
Atrophy			1								1 1.0

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	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
.....											
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0	
FEMALE	0	0	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	4	4	
ANIMAL ID	1	1	1	1	1	1	1	1	1	2	
10,000 NG/KG 66	1	2	3	4	5	6	7	8	9	0	* TOTALS

Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10

MUSCULOSKELETAL SYSTEM
 NONE

NERVOUS SYSTEM
 NONE

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active										1	1 1.0
Alveolus, Infiltration Cellular, Histiocyte						1					1 1.0

SPECIAL SENSES SYSTEM
 NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Mineralization			1	1	1	1	1				6 1.0
Nephropathy	1	1	1	1	1			1	1	1	8 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
 Page 12

TDMS No. 20306 - 02
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/SD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 PCN 66/67 COMPARISON STUDY
 CAS Number: PCNCOMPARISN
 Pathologist: VASCONCELOS, D.

Date Report Reqsted: 12/05/2005
 Time Report Reqsted: 12:37:34
 First Dose M/F: NA / 10/06/03
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0
FEMALE	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
50,000 NG/KG 66										* TOTALS

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10	
Liver	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Suppurative							1	1				2 1.0
Inflammation, Chronic Active	2	1	2	1	2	2	1	2	2	1		10 1.6
Pigmentation	1		1		1			1				4 1.0
Toxic Hepatopathy	1											1 1.0
Hepatocyte, Hypertrophy	2	1	1	1	1	1	1	1	1	1		10 1.1
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Tooth											3	
Gingiva, Inflammation		+						+	+			3 1.0

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0	
FEMALE	0	0	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	4	4	
50,000 NG/KG 66	2	2	2	2	2	2	2	2	2	3	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

Thymus + + + + + + + + + + 10

INTEGUMENTARY SYSTEM

Mammary Gland + + + + + + + + + + 10

Skin + + + + + + + + + + 10

Hair Follicle, Inflammation 1 1 1.0

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Lung + + + + + + + + + + 10

Alveolus, Infiltration Cellular, Histiocyte 1 1 1.0

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
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DAY ON TEST		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		4	4	4	4	4	4	4	4	4	4	
SPRAGUE-DAWLEY RATS		0	0	0	0	0	0	0	0	0	0	
FEMALE		0	0	0	0	0	0	0	0	0	0	
50,000 NG/KG 66		4	4	4	4	4	4	4	4	4	4	
ANIMAL ID		2	2	2	2	2	2	2	2	2	3	
		1	2	3	4	5	6	7	8	9	0	* TOTALS
Kidney		+	+	+	+	+	+	+	+	+	+	10
Mineralization		1	1	1			1	1	1	1		7 1.0
Nephropathy			1		1		1	1		1	1	6 1.0

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	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0
FEMALE	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	3	3	3	3	3	3	3	3	3	4
100,000 NG/KG 66	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
.....											
Liver	+	+	+	+	+	+	+	+	+	+	10
Fatty Change	1	1	2	1	1	2	1	1	2	1	10 1.3
Hepatocyte, Multinucleate		1				1	1		1		4 1.0
Inflammation, Suppurative	2	1		1	2	1	1	2	1	2	9 1.4
Inflammation, Chronic Active	1	2	2	2	1	2	2	1	2	2	10 1.7
Necrosis, Focal		1									1 1.0
Pigmentation			1		1				1		3 1.0
Toxic Hepatopathy	1	2	2	1	2	2	1	1	2	1	10 1.5
Hepatocyte, Hypertrophy	2	2	2	1	3	2	2	2	3	2	10 2.1
.....											
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Mononuclear Cell					X						1
Acinus, Atrophy, Focal			1	1							2 1.0
Acinus, Atrophy, Diffuse					1						1 1.0
.....											
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
----------------	---	---	---	---	---	---	---	---	---	---	-----------

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 Species/Strain: RATS/SD

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 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0	
FEMALE	0	0	0	0	0	0	0	0	0	0	
100,000 NG/KG 66	4	4	4	4	4	4	4	4	4	4	
ANIMAL ID	3	3	3	3	3	3	3	3	3	4	
	1	2	3	4	5	6	7	8	9	0	* TOTALS
Subcapsular, Hyperplasia	1										1 1.0
Adrenal Medulla	+ + + + + + + + + +										10
Pituitary Gland	+ + + + + + + + + +										10
Thyroid Gland	+ + + + + + + + + +										10
Follicular Cell, Hypertrophy	1 1 1 1 1 1 1 1 1 1										6 1.0

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Ovary	+ + + + + + + + + +										10
Uterus	+ + + + + + + + + +										10
Vagina	+ + + + + + + + + +										10

HEMATOPOIETIC SYSTEM

Spleen	+ + + + + + + + + +										10
Pigmentation, Hemosiderin	1 1 1 1 1 1 1 1 1 1										10 1.0
Thymus	+ + + + + + + + + +										10

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
.....											
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0	
FEMALE	0	0	0	0	0	0	0	0	0	0	
100,000 NG/KG 66	4	4	4	4	4	4	4	4	4	4	
ANIMAL ID	3	3	3	3	3	3	3	3	3	4	
	1	2	3	4	5	6	7	8	9	0	* TOTALS
Atrophy			1	1		1			1	1	5 1.0

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10
Alveolar Epithelium, Hyperplasia				1							1 1.0
Alveolus, Infiltration Cellular, Histiocyte				1							1 1.0

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

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DAY ON TEST		0	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	9	
		4	4	4	4	4	4	4	4	4	4	
SPRAGUE-DAWLEY RATS		0	0	0	0	0	0	0	0	0	0	
FEMALE		0	0	0	0	0	0	0	0	0	0	
100,000 NG/KG 66		4	4	4	4	4	4	4	4	4	4	
ANIMAL ID		3	3	3	3	3	3	3	3	3	4	
		1	2	3	4	5	6	7	8	9	0	* TOTALS
Kidney		+	+	+	+	+	+	+	+	+	+	10
Mineralization		1	1	1		1		1				5 1.0
Nephropathy			1	2		1	1	1		1		6 1.2

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4
.....										
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0
FEMALE	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	4
ANIMAL ID	4	4	4	4	4	4	4	4	4	5
200,000 NG/KG 66	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Fatty Change	2	2	2	3	3	2	3	2	4	3	10 2.6
Hepatocyte, Multinucleate	2	1	2	1	1	2	1	2		2	9 1.6
Inflammation, Suppurative	2	2	1	1	1	2	1	1	2		9 1.4
Inflammation, Chronic Active	2	1	1	1	1	1	1	2	1	1	10 1.2
Necrosis, Focal	1	1				1		1			4 1.0
Pigmentation			1			1	1	1		1	5 1.0
Toxic Hepatopathy	3	3	3	3	2	2	1	2	2	2	10 2.3
Hepatocyte, Hypertrophy	3	3	4	3	4	3	3	4	3	3	10 3.3
Oval Cell, Hyperplasia			1					1		1	3 1.0

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 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	* TOTALS
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0	
FEMALE	0	0	0	0	0	0	0	0	0	0	
200,000 NG/KG 66	4	4	4	4	4	4	4	4	4	4	
ANIMAL ID	4	4	4	4	4	4	4	4	4	5	
	1	2	3	4	5	6	7	8	9	0	

Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Acinus, Atrophy, Focal					1							1 1.0
Acinus, Atrophy, Diffuse	2			1								2 1.5
Acinus, Vacuolization Cytoplasmic	1		1	1		1				1		5 1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Epithelium, Hyperkeratosis	1				2							2 1.5
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10	
Tongue	+	+	+	+	+	+	+	+	+	+	10	

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10	
Heart	+	+	+	+	+	+	+	+	+	+	10	
Cardiomyopathy										1		1 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10	
Zona Fasciculata, Vacuolization					1							1 1.0
Cytoplasmic												

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	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0	
FEMALE	0	0	0	0	0	0	0	0	0	0	
200,000 NG/KG 66	4	4	4	4	4	4	4	4	4	4	
ANIMAL ID	4	4	4	4	4	4	4	4	4	5	
	1	2	3	4	5	6	7	8	9	0	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	M	+	+	M	+	+	8
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
Follicular Cell, Hypertrophy	1	1	1		1		1	1			6 1.0

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active							1				1 1.0
Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10
Vagina	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
-------------	---	---	---	---	---	---	---	---	---	---	----

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0	
FEMALE	0	0	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	4	4	
ANIMAL ID	4	4	4	4	4	4	4	4	4	5	
200,000 NG/KG 66	1	2	3	4	5	6	7	8	9	0	* TOTALS

Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Hematopoietic Cell Proliferation				1							1 1.0
Pigmentation, Hemosiderin	1	1	1	1	2	1	2	1	1	2	10 1.3
Thymus	+	+	+	+	+	+	+	+	+	+	10
Atrophy	1	1	2	2	1	1	1	2		2	9 1.4

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	10
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NERVOUS SYSTEM

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

TDMS No. 20306 - 02
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: RATS/SD

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 PCN 66/67 COMPARISON STUDY
 CAS Number: PCNCOMPARISN
 Pathologist: VASCONCELOS, D.

Date Report Reqsted: 12/05/2005
 Time Report Reqsted: 12:37:34
 First Dose M/F: NA / 10/06/03
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	4	4	4	4	4	4	4	4	4	4	
.....											
SPRAGUE-DAWLEY RATS	0	0	0	0	0	0	0	0	0	0	
FEMALE	0	0	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	4	4	
ANIMAL ID	4	4	4	4	4	4	4	4	4	5	
200,000 NG/KG 66	1	2	3	4	5	6	7	8	9	0	* TOTALS

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10	
Alveolar Epithelium, Metaplasia, Bronchiolar					1		1					2 1.0
Alveolus, Infiltration Cellular, Histiocyte									1			1 1.0
.....												
Nose	+	+	+	+	+	+	+	+	+	+	10	
.....												
Trachea	+	+	+	+	+	+	+	+	+	+	10	

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	10	
.....												
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10	
Hyperplasia			1		1					1		3 1.0
Infiltration Cellular, Mononuclear Cell								X	X	X		3

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10	
Mineralization	1		1	1	1	1	1	1	1	1		8 1.0
Nephropathy	1	1	1	1	1	1	1	1	1	1		10 1.0
.....												
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10	

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DAY ON TEST		0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9
		4	4	4	4	4	4	4	4	4	4
.....											
SPRAGUE-DAWLEY RATS		0	0	0	0	0	0	0	0	0	0
FEMALE		0	0	0	0	0	0	0	0	0	0
		4	4	4	4	4	4	4	4	4	4
ANIMAL ID		4	4	4	4	4	4	4	4	4	5
200,000 NG/KG 66		1	2	3	4	5	6	7	8	9	0
											* TOTALS

*** END OF REPORT ***

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