

**Experiment Number:** 20306 - 03  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** RATS/F 344/N

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
PCN 66/67 comparison study  
**CAS Number:** PCNCOMPARISN

**Date Report Requested:** 08/27/2015  
**Time Report Requested:** 09:34:00  
**First Dose M/F:** NA / 10/13/03  
**Lab:** BAT

F1\_Rev.1\_PCN67

**NTP Study 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 007 1000 NG/KG 67

Include 008 10,000 NG/KG 67

Include 009 50,000 NG/KG 67

Include 010 100,000 NG/KG 67

Include 011 200,000 NG/KG 67

**Study Gender:** Female

**TDMSE Version:** 3.0.2.2\_002

**PWG Approval Date:** NONE

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Lab: BAT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>FISCHER 344 RATS FEMALE</b>		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	<b>0 NG/KG</b>	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	0	0
		0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5		
<b>* TOTALS</b>																	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>15</b>
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>15</b>
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>15</b>
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>15</b>
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>15</b>
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>15</b>
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>15</b>
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>15</b>
Hepatodiaphragmatic Nodule															X		<b>1</b>
Inflammation, Chronic Active				1	1		1		1			1	1		1		<b>7 1.0</b>
Hepatocyte, Hypertrophy															1		<b>1 1.0</b>
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>15</b>
Infiltration Cellular, Mononuclear Cell	1	1			1			1	1			1		1			<b>7 1.0</b>
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>15</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>15</b>
Infiltration Cellular, Mononuclear Cell												1					<b>1 1.0</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>15</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

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First Dose M/F: NA / 10/13/03

Lab: BAT

FISCHER 344 RATS FEMALE 0 NG/KG	DAY ON TEST															* TOTALS
	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	
	ANIMAL ID															
	0 0 0 1	0 0 0 2	0 0 0 3	0 0 0 4	0 0 0 5	0 0 0 6	0 0 0 7	0 0 0 8	0 0 0 9	0 0 0 0	0 0 0 1	0 0 0 2	0 0 0 3	0 0 0 4	0 0 0 5	
Infiltration Cellular, Mononuclear Cell			1				1			1			1			4 1.0
Tongue	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
<b>CARDIOVASCULAR SYSTEM</b>																
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Cardiomyopathy		1			1	1	1		1	1		1	1		9 1.0	
<b>ENDOCRINE SYSTEM</b>																
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Parathyroid Gland	+	+	M	+	+	+	+	+	+	+	+	+	+	+	M	13
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
<b>GENERAL BODY SYSTEM</b>																
NONE																
<b>GENITAL SYSTEM</b>																
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15

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Lab: BAT

FISCHER 344 RATS FEMALE 0 NG/KG	DAY ON TEST														* TOTALS	
	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4		0 9 4
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	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	
Periovarian Tissue, Cyst												1				1 1.0
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Vagina	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
<b>HEMATOPOIETIC SYSTEM</b>																
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Atrophy	1															1 1.0
Infiltration Cellular, Histiocyte		1					1			1	1		2	1		6 1.2
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Pigmentation, Hemosiderin	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	15 1.1
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
<b>INTEGUMENTARY SYSTEM</b>																
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
<b>MUSCULOSKELETAL SYSTEM</b>																
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15

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

+ .. Tissue examined microscopically

X .. Lesion present

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Lab: BAT

FISCHER 344 RATS FEMALE	DAY ON TEST															
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
0 NG/KG	ANIMAL ID															
	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	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	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	2	3	4	5	6	7	8	9	0	1	2	3	4	5	* TOTALS

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
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RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15		
Alveolar Epithelium, Hyperplasia														2			1	2.0
Alveolus, Infiltration Cellular, Histiocyte			1	1										1			3	1.0
Interstitial, Inflammation, Granulomatous					1												1	1.0

Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
---------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
-----	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15
-----------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15		
Mineralization	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		15	1.0
Nephropathy										1	1						2	1.0

Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	15		
Infiltration Cellular, Lymphocyte		1															1	1.0

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Lab: BAT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9	9
	4	4	4	4	4	4	4	4	4	4	4
	<hr/>										
<b>1000 NG/KG 67</b>	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
	0	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0	0
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Hepatodiaphragmatic Nodule			X								<b>1</b>
Inflammation, Granulomatous								1			<b>1 1.0</b>
Inflammation, Chronic Active	1		1	1	1	1	1	1	1	1	<b>9 1.0</b>
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Infiltration Cellular, Mononuclear Cell		1				1				1	<b>3 1.0</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Infiltration Cellular, Lymphocyte			1								<b>1 1.0</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**GENERAL BODY SYSTEM**

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

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Lab: BAT

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	
1000 NG/KG 67	ANIMAL ID	9	9	9	9	9	9	9	9	9	
		4	4	4	4	4	4	4	4	4	
		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	
		0	0	0	0	0	0	0	0	1	
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

NONE

**GENITAL SYSTEM**

Ovary	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Uterus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Vagina	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**HEMATOPOIETIC SYSTEM**

Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Pigmentation, Hemosiderin	1	1	1	1	1	1	1	1	1	1	<b>10 1.0</b>
Thymus	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Skin	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

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Lab: BAT

FISCHER 344 RATS FEMALE 10,000 NG/KG 67	DAY ON TEST	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		4	4	4	4	4	4	4	4	4	
		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>											

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Hepatodiaphragmatic Nodule						X		X			<b>2</b>
Inflammation, Chronic Active	1	1	1		1	1	1	1	1		<b>9 1.0</b>
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Infiltration Cellular, Mononuclear Cell		1	1	1	1			1	1		<b>6 1.0</b>
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	<b>10</b>

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>

GENERAL BODY SYSTEM

NONE

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FISCHER 344 RATS FEMALE 10,000 NG/KG 67	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	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	
		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>												

GENITAL SYSTEM

Ovary	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Uterus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Vagina	+	+	+	+	+	+	+	+	+	+	<b>10</b>

HEMATOPOIETIC SYSTEM

Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Pigmentation, Hemosiderin	1	1	1	2	1	1	1	1	1	1	<b>10 1.1</b>
Thymus	+	+	+	+	+	+	+	+	+	+	<b>10</b>

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	M	+	+	+	<b>9</b>
Skin	+	+	+	+	+	+	+	+	+	+	<b>10</b>

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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M .. Missing tissue

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BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked



Experiment Number: 20306 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

PCN 66/67 comparison study

CAS Number: PCNCOMPARISN

Date Report Requested: 08/27/2015

Time Report Requested: 09:34:00

First Dose M/F: NA / 10/13/03

Lab: BAT

FISCHER 344 RATS FEMALE 50,000 NG/KG 67	DAY ON TEST	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
		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		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	2	2	2
		1	2	3	4	5	6	7	8	9	0								
<b>* TOTALS</b>																			

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Hepatocyte, Multinucleate					1														1 1.0
Inflammation, Chronic Active	1	1	1	1	1	1					1								7 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Infiltration Cellular, Mononuclear Cell	1		1	1						1	1								5 1.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Hyperplasia, Focal				1															1 1.0
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

GENERAL BODY SYSTEM

NONE

\* .. 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: 20306 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

PCN 66/67 comparison study

CAS Number: PCNCOMPARISN

Date Report Requested: 08/27/2015

Time Report Requested: 09:34:00

First Dose M/F: NA / 10/13/03

Lab: BAT

FISCHER 344 RATS FEMALE 50,000 NG/KG 67	DAY ON TEST	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		4	4	4	4	4	4	4	4	4	
		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	3	
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

GENITAL SYSTEM

Ovary	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Uterus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Vagina	+	+	+	+	+	+	+	+	+	+	<b>10</b>

HEMATOPOIETIC SYSTEM

Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Pigmentation, Hemosiderin	1	1	1	1	1	1	1	1	1	1	<b>10 1.0</b>
Thymus	+	+	+	+	+	+	+	+	+	+	<b>10</b>

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	M	+	+	+	<b>9</b>
Skin	+	+	+	+	+	+	+	+	+	+	<b>10</b>

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

NONE

\* .. 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

FISCHER 344 RATS FEMALE 50,000 NG/KG 67	DAY ON TEST	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
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
		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	2	2	3
		1	2	3	4	5	6	7	8	9	0								
<b>* TOTALS</b>																			

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10		
Alveolar Epithelium, Hyperplasia																					1 1.0

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10		
Mineralization	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1			10 1.0
Nephropathy																					2 1.0

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

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

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A .. Autolysis precludes evaluation

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Experiment Number: 20306 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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CAS Number: PCNCOMPARISN

Date Report Requested: 08/27/2015

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First Dose M/F: NA / 10/13/03

Lab: BAT

FISCHER 344 RATS FEMALE 100,000 NG/KG 67	DAY ON TEST	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	
		9	9	9	9	9	9	9	9	9	
		4	4	4	4	4	4	4	4	4	
		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	
		3	3	3	3	3	3	3	3	4	
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

ALIMENTARY SYSTEM

Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10		
Liver	+	+	+	+	+	+	+	+	+	+	10		
Inflammation, Granulomatous						1						1	1.0
Inflammation, Chronic Active	1	1	1	1	1	1	1	1	1	1	10	1.0	
Hepatocyte, Hypertrophy										1		1	1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10		
Infiltration Cellular, Mononuclear Cell	1	1	1		1	1	1	1	1	1		9	1.0
Acinus, Atrophy, Focal										1		1	1.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10		

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10		
Infiltration Cellular, Mononuclear Cell					1							1	1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10		
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10		

GENERAL BODY SYSTEM

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

+ .. Tissue examined microscopically

X .. Lesion present

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Route: GAVAGE

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CAS Number: PCNCOMPARISN

Date Report Requested: 08/27/2015

Time Report Requested: 09:34:00

First Dose M/F: NA / 10/13/03

Lab: BAT

FISCHER 344 RATS FEMALE 100,000 NG/KG 67	DAY ON TEST	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
		9	9	9	9	9	9	9	9	9	9	9	9	9	9
		4	4	4	4	4	4	4	4	4	4	4	4	4	4
		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
		3	3	3	3	3	3	3	3	3	3	3	3	3	4
		1	2	3	4	5	6	7	8	9	0				
<b>* TOTALS</b>															

NONE

GENITAL SYSTEM

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

HEMATOPOIETIC SYSTEM

Lymph Node, Mesenteric Atrophy	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
						1	1								2 1.0
Spleen Pigmentation, Hemosiderin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	10 1.0
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10

INTEGUMENTARY SYSTEM

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

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ .. Tissue examined microscopically  
X .. Lesion present  
I .. Insufficient tissue  
M .. Missing tissue  
A .. Autolysis precludes evaluation  
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1-4 .. Lesion qualified as:  
1) Minimal 3) Moderate  
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Experiment Number: 20306 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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

PCN 66/67 comparison study

CAS Number: PCNCOMPARISN

Date Report Requested: 08/27/2015

Time Report Requested: 09:34:00

First Dose M/F: NA / 10/13/03

Lab: BAT

<b>FISCHER 344 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	0	0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
		4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
<b>100,000 NG/KG 67</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
		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	3	3	3	3	3	3	4
		1	2	3	4	5	6	7	8	9	0								
<b>* TOTALS</b>																			

NONE

**RESPIRATORY SYSTEM**

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active					1														1 1.0
Alveolus, Infiltration Cellular, Histiocyte	1																		2 1.0

**SPECIAL SENSES SYSTEM**

NONE

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	10
Mineralization	1		1	1				1	1	1									6 1.0
Nephropathy	1					1													3 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  
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1-4 .. Lesion qualified as:  
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Experiment Number: 20306 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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

PCN 66/67 comparison study

CAS Number: PCNCOMPARISN

Date Report Requested: 08/27/2015

Time Report Requested: 09:34:00

First Dose M/F: NA / 10/13/03

Lab: BAT

DAY ON TEST		0	0	0	0	0	0	0	0	0	0
<b>FISCHER 344 RATS FEMALE</b>		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
	<b>200,000 NG/KG 67</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
		4	4	4	4	4	4	4	4	5	5
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Liver	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Fatty Change								1	1		<b>2 1.0</b>
Hepatocyte, Multinucleate	2	1	2	1	1	2	1		1	2	<b>9 1.4</b>
Hepatodiaphragmatic Nodule								X			<b>1</b>
Inflammation, Suppurative		1									<b>1 1.0</b>
Inflammation, Chronic Active	1	3	1	1	1	1	1	1	1	1	<b>10 1.2</b>
Toxic Hepatopathy	1	1	1	1	1	1	1		1	1	<b>9 1.0</b>
Hepatocyte, Hypertrophy	2	1	1	1	1	1	1	1	2	2	<b>10 1.3</b>
Pancreas	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Infiltration Cellular, Mononuclear Cell			1	1		1	1				<b>4 1.0</b>
Acinus, Atrophy, Focal							1				<b>1 1.0</b>
Salivary Glands	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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

+ .. Tissue examined microscopically

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Species/Strain: RATS/F 344/N

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

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Date Report Requested: 08/27/2015

Time Report Requested: 09:34:00

First Dose M/F: NA / 10/13/03

Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID	
	9	9	9	9	9	9	9	9	9	9		
<b>FISCHER 344 RATS FEMALE</b>	4	4	4	4	4	4	4	4	4	4		
<b>200,000 NG/KG 67</b>	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		
	4	4	4	4	4	4	4	4	4	5		
	1	2	3	4	5	6	7	8	9	0		
<b>* TOTALS</b>												

Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Tongue	+	+	+	+	+	+	+	+	+	+		<b>10</b>

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Heart	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Cardiomyopathy	1	1	1		1	1		1	1	1		<b>8 1.0</b>

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Pituitary Gland	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Thyroid Gland	+	+	+	+	+	+	+	+	+	+		<b>10</b>

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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CAS Number: PCNCOMPARISN

Date Report Requested: 08/27/2015

Time Report Requested: 09:34:00

First Dose M/F: NA / 10/13/03

Lab: BAT

FISCHER 344 RATS FEMALE 200,000 NG/KG 67	DAY ON TEST										ANIMAL ID	
	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4	0 9 4		
	0	0	0	0	0	0	0	0	0	0	0 0 2 4 1	
	<b>* TOTALS</b>											

Clitoral Gland	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Ovary	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Uterus	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Vagina	+	+	+	+	+	+	+	+	+	+		<b>10</b>

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M		<b>0</b>
Lymph Node, Mesenteric Atrophy	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Infiltration Cellular, Histiocyte				1	1	1	1		1	1		<b>1 3.0</b> <b>6 1.0</b>
Spleen Pigmentation, Hemosiderin	+	+	+	+	+	+	+	+	+	+	1 1 2 1 2 1 2 1 2 1	<b>10</b> <b>10 1.4</b>
Thymus Atrophy	+	+	+	+	+	+	+	+	+	+	1 1	<b>10</b> <b>3 1.0</b>

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+		<b>10</b>
Skin	+	+	+	+	+	+	+	+	+	+		<b>10</b>

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  
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1-4 .. Lesion qualified as:  
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Experiment Number: 20306 - 03

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: RATS/F 344/N

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

PCN 66/67 comparison study

CAS Number: PCNCOMPARISN

Date Report Requested: 08/27/2015

Time Report Requested: 09:34:00

First Dose M/F: NA / 10/13/03

Lab: BAT

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

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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

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked