

Experiment Number: 88105-01
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Isoeugenol
CAS Number: 97-54-1

Date Report Requested: 10/16/2014
Time Report Requested: 02:38:38
First Dose M/F: NA / NA
Lab: BAT

C Number:	C88105
Lock Date:	03/01/2002
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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Date Report Requested: 10/16/2014

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Test Compound: Isoeugenol

Time Report Requested: 02:38:38

Route: GAVAGE

CAS Number: 97-54-1

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat 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	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
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	1	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Chronic										1	1	1.0
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	
Clear Cell Focus								X			1	
Hepatodiaphragmatic Nodule			X					X			2	
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Salivary Glands	I	+	I	I	+	I	I	I	+	+	4	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10	

Cardiovascular System

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

Endocrine 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

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Route: GAVAGE

Species/Strain: Rat/F 344/N

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Test Compound: Isoeugenol

CAS Number: 97-54-1

Date Report Requested: 10/16/2014

Time Report Requested: 02:38:38

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
0 MG/KG

	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	*TOTALS			
	3	3	3	3	3	3	3	3	3	3				
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10			
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10			
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10			
Parathyroid Gland	+	+	+	I	+	I	+	+	+	M	7			
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10			
Pars Distalis, Hyperplasia					1						1	1.0		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10			
General Body System														
NONE														
Genital System														
Epididymis	+	+	+	+	+	+	+	+	+	+	10			
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10			
Prostate	+	+	+	+	+	+	+	+	+	+	10			
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10			
Testes	+	+	+	+	+	+	+	+	+	+	10			
Germinal Epith, Atrophy				1	1						2	1.0		
Hematopoietic System														
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10			
Lymph Node								+			1			
Deep Cervical, Hyperplasia, Lymphoid								2			1	2.0		
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	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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Date Report Requested: 10/16/2014

Time Report Requested: 02:38:38

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
0 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	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
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	1	
	1	2	3	4	5	6	7	8	9	0	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10
Integumentary System											
Mammary Gland	+	+	+	+	+	+	+	+	+	M	9
Skin	+	+	+	+	+	+	+	+	+	+	10
Musculoskeletal System											
Bone	+	+	+	+	+	+	+	+	+	+	10
Nervous System											
Brain	+	+	+	+	+	+	+	+	+	+	10
Respiratory System											
Lung	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic		1	1								2 1.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active							1				1 1.0
Trachea	+	+	+	+	+	+	+	+	+	+	10
Special Senses System											
Eye	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10

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

+ ..Tissue examined microscopically

X ..Lesion present

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Time Report Requested: 02:38:38

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat 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	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
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	1	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	10
Nephropathy			1	1	1				1		4 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

* ..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

Species/Strain: Rat/F 344/N

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Test Compound: Isoeugenol

CAS Number: 97-54-1

Date Report Requested: 10/16/2014

Time Report Requested: 02:38:38

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
37.5 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
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
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule										X	1

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Lymph Node					+		+		+		3
Deep Cervical, Hyperplasia, Lymphoid					3		3		2		3 2.7

Integumentary System

NONE

Musculoskeletal 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

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Species/Strain: Rat/F 344/N

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Test Compound: Isoeugenol

CAS Number: 97-54-1

Date Report Requested: 10/16/2014

Time Report Requested: 02:38:38

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
75 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
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
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	----

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Lymph Node	+	+	+	+							4
Deep Cervical, Hyperplasia, Lymphoid	3	2	2								3 2.3
Mediastinal, Hyperplasia, Lymphoid					3						1 3.0

Integumentary System

NONE

Musculoskeletal 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

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Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Isoeugenol

CAS Number: 97-54-1

Date Report Requested: 10/16/2014

Time Report Requested: 02:38:38

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
75 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
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
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Nervous System

NONE

Respiratory System

Nose	+	+	+	+	+	+	+	+	+	+	10
Nerve, Atrophy							1				1 1.0
Olfactory Epi, Atrophy			1	1			1				3 1.0

Special Senses System

NONE

Urinary 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

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Experiment Number: 88105-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Isoeugenol

CAS Number: 97-54-1

Date Report Requested: 10/16/2014

Time Report Requested: 02:38:38

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
150 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
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
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver + + + + + + + + + + 10

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Lymph Node + + + 3

Deep Cervical, Hyperplasia, Lymphoid 2 1 3 3 2.0

Integumentary System

NONE

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

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Test Type: 90-DAY

Test Compound: Isoeugenol

Time Report Requested: 02:38:38

Route: GAVAGE

CAS Number: 97-54-1

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male
150 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
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
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0

*TOTALS

NONE
Respiratory System

Nose	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active										1	1 1.0
Nerve, Atrophy			1							1	3 1.0
Olfactory Epi, Atrophy			1	1	1					1	4 1.0

Special Senses System

NONE
Urinary 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
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Experiment Number: 88105-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Isoeugenol

CAS Number: 97-54-1

Date Report Requested: 10/16/2014

Time Report Requested: 02:38:38

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
300 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
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
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver + + + + + + + + + + 10

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Lymph Node + + 2

Deep Cervical, Hyperplasia, Lymphoid 1 3 2 2.0

Lymph Node, Mesenteric + 1

Hyperplasia, Lymphoid 3 1 3.0

Integumentary System

NONE

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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Time Report Requested: 02:38:38

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
300 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	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
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	
	4	4	4	4	4	4	4	4	4	5	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

NONE
Nervous System

NONE
Respiratory System

Nose	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active	1									1	2 1.0
Nerve, Atrophy						1		1			2 1.0
Olfactory Epi, Atrophy				1	1	1	1				4 1.0

Special Senses System

NONE
Urinary System

NONE

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

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Test Type: 90-DAY

Test Compound: Isoeugenol

Time Report Requested: 02:38:38

Route: GAVAGE

CAS Number: 97-54-1

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male
600 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
	2	9	9	9	9	9	9	9	9	9
	6	3	3	3	3	3	3	3	3	3
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
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Chronic				3	1	1						3 1.7
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
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Salivary Glands	I	+	+	+	+	I	I	+	I	I	5	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10	

Cardiovascular System

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

Endocrine System

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

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 88105-01

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/16/2014

Test Type: 90-DAY

Test Compound: Isoeugenol

Time Report Requested: 02:38:39

Route: GAVAGE

CAS Number: 97-54-1

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Male
600 MG/KG

	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	
	2	9	9	9	9	9	9	9	9	9	
	6	3	3	3	3	3	3	3	3	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	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	
											*TOTALS
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	I	+	+	+	+	+	+	+	+	I	8
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Cyst					1						1 1.0
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
General Body System											
NONE											
Genital System											
Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10
Germinal Epith, Atrophy						1					1 1.0
Hematopoietic System											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Hypercellularity	3										1 3.0
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 88105-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Isoeugenol

CAS Number: 97-54-1

Date Report Requested: 10/16/2014

Time Report Requested: 02:38:39

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
600 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	ANIMAL ID	*TOTALS	
	0	0	0	0	0	0	0	0	0	0			
	2	9	9	9	9	9	9	9	9	9	0		
	6	3	3	3	3	3	3	3	3	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		
	5	5	5	5	5	5	5	5	5	6	5		
	1	2	3	4	5	6	7	8	9	0	10		
Thymus	+	+	+	+	+	+	+	+	+	+	10		
Integumentary System													
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10		
Skin	+	+	+	+	+	+	+	+	+	+	10		
Musculoskeletal System													
Bone	+	+	+	+	+	+	+	+	+	+	10		
Nervous System													
Brain	+	+	+	+	+	+	+	+	+	+	10		
Respiratory System													
Lung	+	+	+	+	+	+	+	+	+	+	10		
Congestion	3										1	3.0	
Inflammation, Chronic				1						1	2	1.0	
Nose	+	+	+	+	+	+	+	+	+	+	10		
Inflammation, Chronic Active					1					1	2	1.0	
Nerve, Atrophy						1	1			2	3	1.3	
Olfactory Epi, Atrophy						2	3	1	1	3	5	2.0	
Olfactory Epi, Degeneration										3	1	3.0	
Trachea	+	+	+	+	+	+	+	+	+	+	10		
Special Senses System													
Eye	+	+	+	+	+	+	+	+	+	+	10		

* ..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

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 88105-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Isoeugenol

CAS Number: 97-54-1

Date Report Requested: 10/16/2014

Time Report Requested: 02:38:39

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male
600 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	
	2	9	9	9	9	9	9	9	9	9	
	6	3	3	3	3	3	3	3	3	3	
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	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	*TOTALS
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10
Urinary System											
Kidney	+	+	+	+	+	+	+	+	+	+	10
Nephropathy			1	1	1	1	1		1	1	7 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

END OF MALE DATA

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 88105-01

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/16/2014

Test Type: 90-DAY

Test Compound: Isoeugenol

Time Report Requested: 02:38:39

Route: GAVAGE

CAS Number: 97-54-1

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female
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	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
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	
	6	6	6	6	6	6	6	6	6	7	
	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		X				2	
Mesentery		+										1	
Fat, Necrosis			1									1	1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10		
Salivary Glands	+	I	+	I	I	I	+	I	+	+	5		
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10		
Tooth					+						1		
Inflammation, Suppurative					3							1	3.0

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10	
Heart	+	+	+	+	+	+	+	+	+	+	10	
Cardiomyopathy	1	1	1	1	1	1	1	1	1	1	10	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: 88105-01

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/16/2014

Test Type: 90-DAY

Test Compound: Isoeugenol

Time Report Requested: 02:38:39

Route: GAVAGE

CAS Number: 97-54-1

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female
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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
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
	6	6	6	6	6	6	6	6	7	7
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	M	I	M	+	+	M	+	6
Cyst			1								1 1.0
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

General Body System

NONE

Genital System

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10
Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node		+	+							+	3
Deep Cervical, Hyperplasia, Lymphoid		2	2							2	3 2.0
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 88105-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Isoeugenol

CAS Number: 97-54-1

Date Report Requested: 10/16/2014

Time Report Requested: 02:38:39

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
0 MG/KG

	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	
	3	3	3	3	3	3	3	3	3	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	
	6	6	6	6	6	6	6	6	6	7	
	1	2	3	4	5	6	7	8	9	0	*TOTALS
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10
Integumentary System											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10
Musculoskeletal System											
Bone	+	+	+	+	+	+	+	+	+	+	10
Nervous System											
Brain	+	+	+	+	+	+	+	+	+	+	10
Respiratory System											
Lung	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic			1					1	1		3 1.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active								1			1 1.0
Trachea	+	+	+	+	+	+	+	+	+	+	10
Special Senses System											
Eye	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10
Urinary 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: 88105-01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Isoeugenol
 CAS Number: 97-54-1

Date Report Requested: 10/16/2014
 Time Report Requested: 02:38:39
 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Female
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	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
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	
	6	6	6	6	6	6	6	6	6	7	
	1	2	3	4	5	6	7	8	9	0	*TOTALS
Kidney	+	+	+	+	+	+	+	+	+	+	10
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

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

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

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

Experiment Number: 88105-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Isoeugenol

CAS Number: 97-54-1

Date Report Requested: 10/16/2014

Time Report Requested: 02:38:39

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
37.5 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
	9	1	9	9	9	9	9	9	9	9
	3	7	3	3	3	3	3	3	3	3
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
	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Esophagus	+										1
Intestine Large, Cecum	+										1
Intestine Large, Colon	+										1
Intestine Large, Rectum	+										1
Intestine Small, Duodenum	+										1
Intestine Small, Ileum	+										1
Intestine Small, Jejunum	+										1
Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule									X		1
Pancreas	+										1
Salivary Glands	+										1
Stomach, Forestomach	+										1
Stomach, Glandular	+										1

Cardiovascular System

Blood Vessel	+										1
Heart	+										1

Endocrine System

Adrenal Cortex	+										1
Adrenal Medulla	+										1
Islets, Pancreatic	+										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: 88105-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Isoeugenol

CAS Number: 97-54-1

Date Report Requested: 10/16/2014

Time Report Requested: 02:38:39

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
37.5 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
	9	1	9	9	9	9	9	9	9	9
	3	7	3	3	3	3	3	3	3	3
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
	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Parathyroid Gland	+										1
Pituitary Gland	+										1
Thyroid Gland	+										1
General Body System											
NONE											
Genital System											
Clitoral Gland	+										1
Ovary	+						+				2
Cyst							3				1 3.0
Uterus	+										1
Hematopoietic System											
Bone Marrow	+										1
Lymph Node	+		+		+	+					4
Deep Cervical, Hyperplasia, Lymphoid				3		2	2				3 2.3
Pancreatic, Hyperplasia, Lymphoid		2									1 2.0
Lymph Node, Mandibular		M									0
Lymph Node, Mesenteric		+									1
Spleen		+									1
Atrophy		3									1 3.0
Thymus		+									1
Integumentary 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: 88105-01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Isoeugenol
 CAS Number: 97-54-1

Date Report Requested: 10/16/2014
 Time Report Requested: 02:38:39
 First Dose M/F: NA / NA
 Lab: BAT

F 344/N Rat Female
37.5 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	
	9	1	9	9	9	9	9	9	9	9	9	
	3	7	3	3	3	3	3	3	3	3	3	
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	
	7	7	7	7	7	7	7	7	7	8		
	1	2	3	4	5	6	7	8	9	0		
											*TOTALS	
Urinary Bladder											+	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: 88105-01

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/16/2014

Test Type: 90-DAY

Test Compound: Isoeugenol

Time Report Requested: 02:38:39

Route: GAVAGE

CAS Number: 97-54-1

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female
75 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	1	3	3	3	3
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
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Islets, Pancreatic											+	1					
Parathyroid Gland											+	1					
Pituitary Gland											+	1					
Thyroid Gland											+	1					
General Body System																	
NONE																	
Genital System																	
Clitoral Gland											+	1					
Ovary											+	1					
Uterus											+	1					
Hematopoietic System																	
Bone Marrow											+	1					
Lymph Node											+	+	+		+	4	
Deep Cervical, Hyperplasia, Lymphoid											2		3			2	2.5
Mediastinal, Hyperplasia, Lymphoid											3				3	2	3.0
Lymph Node, Mandibular											M					0	
Lymph Node, Mesenteric											+					1	
Spleen											+					1	
Thymus											+					1	
Integumentary System																	
Mammary Gland											+					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: 88105-01

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/16/2014

Test Type: 90-DAY

Test Compound: Isoeugenol

Time Report Requested: 02:38:39

Route: GAVAGE

CAS Number: 97-54-1

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female
75 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	1	3	3	3	3
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
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Mammary Gland											+	1						
Skin											+	1						
Musculoskeletal System																		
Bone											+	1						
Skeletal Muscle											+	1						
Nervous System																		
Brain											+	1						
Spinal Cord											+	1						
Respiratory System																		
Lung											+	1						
Nose											+	+	+	+	+	+	10	
Olfactory Epi, Atrophy											1					1	2	1.0
Trachea											+	1						
Special Senses System																		
Eye											+	1						
Harderian Gland											+	1						
Pigmentation, Porphyrin											3					1	3.0	
Urinary System																		
Kidney											+	1						
Urinary Bladder											+	1						

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+ ..Tissue examined microscopically

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I ..Insufficient tissue

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 88105-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Isoeugenol

CAS Number: 97-54-1

Date Report Requested: 10/16/2014

Time Report Requested: 02:38:39

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
150 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
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	1
	9	9	9	9	9	9	9	9	9	0
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Liver + + + + + + + + + + 10

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Lymph Node + + + + 4

Deep Cervical, Hyperplasia, Lymphoid 3 2 3 3 4 2.8

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

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Experiment Number: 88105-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Isoeugenol

CAS Number: 97-54-1

Date Report Requested: 10/16/2014

Time Report Requested: 02:38:40

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
150 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	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
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	1	
	9	9	9	9	9	9	9	9	9	0	
	1	2	3	4	5	6	7	8	9	0	*TOTALS

NONE

Respiratory System

Nose	+	+	+	+	+	+	+	+	+	+	10
Nerve, Atrophy					1		1				2 1.0
Olfactory Epi, Atrophy					1		1				2 1.0

Special Senses System

NONE

Urinary System

NONE

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M ..Missing tissue

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

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Experiment Number: 88105-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Isoeugenol

CAS Number: 97-54-1

Date Report Requested: 10/16/2014

Time Report Requested: 02:38:40

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
300 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	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
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0

*TOTALS

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10
Hepatodiaphragmatic Nodule	X										1
Periportal, Cytoplasmic Alteration	1	1	1	1	1	1	1	1	1	1	10 1.0
Mesentery						+					1
Fat, Necrosis						3					1 3.0

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

Lymph Node	+					+	+	+	+	4
Deep Cervical, Hyperplasia, Lymphoid								2		1 2.0
Mediastinal, Hyperplasia, Lymphoid	3							3		2 3.0
Pancreatic, Hyperplasia, Lymphoid						3				1 3.0

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Experiment Number: 88105-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Isoeugenol

CAS Number: 97-54-1

Date Report Requested: 10/16/2014

Time Report Requested: 02:38:40

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
300 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	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
ANIMAL ID	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	
	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	*TOTALS
Pancreatic, Infiltration Cellular, Histiocyte						3					1 3.0

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

Nose + + + + + + + + + 10

Nerve, Atrophy 1 1 1 1 2 1.0

Olfactory Epi, Atrophy 1 1 1 1 1 5 1.0

Special Senses System

NONE

Urinary System

NONE

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X ..Lesion present

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Experiment Number: 88105-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Isoeugenol

CAS Number: 97-54-1

Date Report Requested: 10/16/2014

Time Report Requested: 02:38:40

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
600 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	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	2
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Chronic	1											1 1.0
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	
Periportal, Cytoplasmic Alteration	2	1	1	2	1	2	1	1	2	1	10	1.4
Pancreas	+	+	+	+	+	+	+	+	+	+	10	
Salivary Glands	I	I	I	+	+	+	+	+	+	I	6	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10	

Cardiovascular System

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

Endocrine System

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

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1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 88105-01

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/16/2014

Test Type: 90-DAY

Test Compound: Isoeugenol

Time Report Requested: 02:38:40

Route: GAVAGE

CAS Number: 97-54-1

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat Female
600 MG/KG

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	*TOTALS
	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
	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	2	
	1	2	3	4	5	6	7	8	9	0	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	I	+	+	I	+	I	+	I	6
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10
General Body System											
NONE											
Genital System											
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10
Cyst								1			1 1.0
Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10
Endometrium, Hyperplasia, Cystic								4			1 4.0
Hematopoietic System											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node			+					+	+		3
Deep Cervical, Hyperplasia, Lymphoid			2					2	3		3 2.3
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10

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Experiment Number: 88105-01

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Isoeugenol

CAS Number: 97-54-1

Date Report Requested: 10/16/2014

Time Report Requested: 02:38:40

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female
600 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
	9	9	9	9	9	9	9	9	9	9
	3	3	3	3	3	3	3	3	3	3
ANIMAL ID	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	2
	1	2	3	4	5	6	7	8	9	0
	*TOTALS									

Integumentary System

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

Musculoskeletal System

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

Nervous System

Brain	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	----

Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Chronic		1		1	1	1		1			5	1.0
Nose	+	+	+	+	+	+	+	+	+	+	10	
Nerve, Atrophy	1	1			1	1				1	5	1.0
Olfactory Epi, Atrophy	1	1			1	1		1		1	6	1.0
Trachea	+	+	+	+	+	+	+	+	+	+	10	

Special Senses System

Ear							+				1
Eye	+	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	10

Urinary System

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+ ..Tissue examined microscopically

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Experiment Number: 88105-01
 Test Type: 90-DAY
 Route: GAVAGE
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Isoeugenol
 CAS Number: 97-54-1

Date Report Requested: 10/16/2014
 Time Report Requested: 02:38:40
 First Dose M/F: NA / NA
 Lab: BAT

**F 344/N Rat Female
 600 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	
	9	9	9	9	9	9	9	9	9	9	
	3	3	3	3	3	3	3	3	3	3	
ANIMAL ID	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	2	
	1	2	3	4	5	6	7	8	9	0	*TOTALS
Kidney	+	+	+	+	+	+	+	+	+	+	10
Nephropathy	1										1 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

**** END OF REPORT ****

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 + ..Tissue examined microscopically
 X ..Lesion present
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 2) Mild 4) Marked