

**Experiment Number:** 20215-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
**Test Compound:** tert-Butyl hydroperoxide  
**CAS Number:** 75-91-2

**Date Report Requested:** 10/21/2014  
**Time Report Requested:** 05:27:15  
**First Dose M/F:** NA / NA  
**Lab:** BAT

<b>C Number:</b>	C20215B
<b>Lock Date:</b>	Not Entered.
<b>Cage Range:</b>	All
<b>Date Range:</b>	All
<b>Reasons For Removal:</b>	All
<b>Removal Date Range:</b>	All
<b>Treatment Groups:</b>	All
<b>Study Gender:</b>	Both
<b>PWG Approval Date</b>	NONE

Experiment Number: 20215-01

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Route: GAVAGE

Species/Strain: Rat/F 344/N

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

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CAS Number: 75-91-2

Date Report Requested: 10/21/2014

Time Report Requested: 05:27:15

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
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	0	0	0	0	0
	1	2	3	4	5
*TOTALS					

**Alimentary System**

Esophagus	+	+	+	+	+	5		
Liver	+	+	+	+	+	5		
Hematopoietic Cell Proliferation		1					1	1.0
Inflammation	1	1			1		3	1.0
Stomach, Forestomach	+	+	+	+	+	5		
Stomach, Glandular	+	+	+	+	+	5		

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

Thymus	+	+	+	+	+	5		
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**Integumentary 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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Time Report Requested: 05:27:15

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
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	0	0	0	0	0
	1	2	3	4	5
	*TOTALS				

**Musculoskeletal System**

NONE

**Nervous System**

NONE

**Respiratory System**

Lung

+ + + + + 5

**Special Senses System**

NONE

**Urinary System**

Kidney

+ + + + + 5

Nephropathy

1 1 1.0

Urinary Bladder

+ + + + + 5

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P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Test Compound: tert-Butyl hydroperoxide  
 CAS Number: 75-91-2

Date Report Requested: 10/21/2014  
 Time Report Requested: 05:27:15  
 First Dose M/F: NA / NA  
 Lab: BAT

F 344/N Rat Male  
 22 MG/KG

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	0	0	0	0	1
	6	7	8	9	0
	*TOTALS				

#### Alimentary System

Stomach, Forestomach + + + + + 5

#### Cardiovascular System

NONE

#### Endocrine System

NONE

#### General Body System

NONE

#### Genital System

NONE

#### Hematopoietic System

NONE

#### Integumentary System

NONE

#### Musculoskeletal System

NONE

#### Nervous System

NONE

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X ..Lesion present

I ..Insufficient tissue

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

Test Compound: tert-Butyl hydroperoxide

CAS Number: 75-91-2

Date Report Requested: 10/21/2014

Time Report Requested: 05:27:15

First Dose M/F: NA / NA

Lab: BAT

**F 344/N Rat Male**  
**22 MG/KG**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	0	0	0	0	1
	6	7	8	9	0
	*TOTALS				

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

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Test Compound: tert-Butyl hydroperoxide

CAS Number: 75-91-2

Date Report Requested: 10/21/2014

Time Report Requested: 05:27:15

First Dose M/F: NA / NA

Lab: BAT

**F 344/N Rat Male  
44 MG/KG**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	1	1	1	1	1
	1	2	3	4	5
	*TOTALS				

**Alimentary System**

Stomach, Forestomach	+	+	+	+	+	5		
Hyperplasia				1	1		2	1.0
Inflammation					1		1	1.0
Stomach, Glandular	+	+	+	+	+	5		

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

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Time Report Requested: 05:27:15

First Dose M/F: NA / NA

Lab: BAT

**F 344/N Rat Male**  
**44 MG/KG**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	1	1	1	1	1
	1	2	3	4	5
	*TOTALS				

NONE

**Nervous System**

NONE

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

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**First Dose M/F:** NA / NA  
**Lab:** BAT

**F 344/N Rat Male**  
**88 MG/KG**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	1	1	1	1	2
	6	7	8	9	0
	*TOTALS				

#### Alimentary System

Stomach, Forestomach	+	+	+	+	+	5	
Hyperplasia	1	2	2	3	1	5	1.8
Inflammation		1	1	3		3	1.7
Ulcer				2		1	2.0
Stomach, Glandular	+	+	+	+	+	5	
Inflammation		2				1	2.0

#### Cardiovascular System

NONE

#### Endocrine System

NONE

#### General Body System

NONE

#### Genital System

NONE

#### Hematopoietic System

NONE

#### Integumentary System

NONE

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+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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Species/Strain: Rat/F 344/N

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First Dose M/F: NA / NA

Lab: BAT

**F 344/N Rat Male**  
**88 MG/KG**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	1	1	1	1	2
	6	7	8	9	0
	*TOTALS				

**Musculoskeletal System**

NONE

**Nervous System**

NONE

**Respiratory System**

Lung

+ + + + + 5

**Special Senses System**

NONE

**Urinary System**

NONE

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+ ..Tissue examined microscopically

X ..Lesion present

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Test Type: 14-DAY

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Species/Strain: Rat/F 344/N

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

Test Compound: tert-Butyl hydroperoxide

CAS Number: 75-91-2

Date Report Requested: 10/21/2014

Time Report Requested: 05:27:15

First Dose M/F: NA / NA

Lab: BAT

**F 344/N Rat Male**  
**175 MG/KG**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	2	2	2	2	2
	1	2	3	4	5
	*TOTALS				

**Alimentary System**

Esophagus	+	+	+	+	+	5		
Periesoph Tiss, Inflammation					1		1	1.0
Liver	+	+	+	+	+	5		
Hematopoietic Cell Proliferation		1	1	1	1		4	1.0
Inflammation		1	1	1			3	1.0
Stomach, Forestomach	+	+	+	+	+	5		
Hyperplasia	3	2	2	1	3		5	2.2
Inflammation	3	2	1	1	1		5	1.6
Stomach, Glandular	+	+	+	+	+	5		
Inflammation	2	2	2		2		4	2.0

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

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+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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Time Report Requested: 05:27:15

First Dose M/F: NA / NA

Lab: BAT

**F 344/N Rat Male**  
**175 MG/KG**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	2	2	2	2	2
	1	2	3	4	5
	*TOTALS				

**Hematopoietic System**

Thymus + + + + + 5

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

**Respiratory System**

Lung	+	+	+	+	+	5		
Inflammation	1						1	1.0
Metaplasia, Osseous	1						1	1.0

**Special Senses System**

NONE

**Urinary System**

Kidney	+	+	+	+	+	5		
Inflammation			1				1	1.0
Mineralization				1	1		2	1.0
Nephropathy				1	1		2	1.0

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X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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Experiment Number: 20215-01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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Date Report Requested: 10/21/2014

Time Report Requested: 05:27:15

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male  
175 MG/KG

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	7	7	7	7	7	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	2	2	2	2	2	
	1	2	3	4	5	
	*TOTALS					
Urinary Bladder	+	+	+	+	+	5

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+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

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1-4 ..Lesion qualified as:

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Experiment Number: 20215-01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: tert-Butyl hydroperoxide

CAS Number: 75-91-2

Date Report Requested: 10/21/2014

Time Report Requested: 05:27:15

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male  
350 MG/KG

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	0	1
	7	7	7	8	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	2	2	2	2	3
	6	7	8	9	0
	*TOTALS				

## Alimentary System

Esophagus	+	+	+	+	+	5	
Hyperplasia	3				2	2	2.5
Inflammation	2		4		2	3	2.7
Necrosis			3			1	3.0
Ulcer			4			1	4.0
Liver	+	+	+	+	+	5	
Centrilobular, Degeneration	2					1	2.0
Hematopoietic Cell Proliferation	1					1	1.0
Inflammation		3	2			2	2.5
Necrosis			2			1	2.0
Stomach, Forestomach	+	+	+	+	+	5	
Hyperplasia	3	2	3	3	4	5	3.0
Inflammation	2		3	3	3	4	2.8
Serosa, Fibrosis					3	1	3.0
Ulcer	3		2	4	3	4	3.0
Stomach, Glandular	+	+	+	+	+	5	
Inflammation		2	1	2	1	4	1.5
Mineralization					1	1	1.0
Ulcer		3				1	3.0

## Cardiovascular System

NONE

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X ..Lesion present

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Route: GAVAGE

Species/Strain: Rat/F 344/N

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CAS Number: 75-91-2

Date Report Requested: 10/21/2014

Time Report Requested: 05:27:15

First Dose M/F: NA / NA

Lab: BAT

**F 344/N Rat Male**  
**350 MG/KG**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	0	1
	7	7	7	8	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	2	2	2	2	3
	6	7	8	9	0
	*TOTALS				

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

Thymus	+	+	+	+	+	5	
Necrosis, Lymphoid	3	2	3		3	4	2.8

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

**Respiratory System**

Lung	+	+	+	+	+	5	
Bronchiole, Foreign Body	1		1			2	1.0

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+ ..Tissue examined microscopically

X ..Lesion present

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Species/Strain: Rat/F 344/N

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Time Report Requested: 05:27:15

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Male  
350 MG/KG

F 344/N Rat Male 350 MG/KG	DAY ON TEST	0	0	0	0	0			
		0	0	0	0	0			
		1	1	1	0	1			
		7	7	7	8	7			
		0	0	0	0	0			
ANIMAL ID	0	0	0	0	0				
	0	0	0	0	0				
	1	1	1	1	1				
	2	2	2	2	3				
	6	7	8	9	0				
*TOTALS									
Congestion				2			1	2.0	
Inflammation	3		2		1		3	2.0	
Special Senses System									
NONE									
Urinary System									
Kidney		+	+	+	+	+	5		
Mineralization						1		1	1.0
Nephropathy			1			2		2	1.5
Renal Tubule, Necrosis	3							1	3.0
Urinary Bladder		+	+	+	+	+	5		

\*\*\*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

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Date Report Requested: 10/21/2014

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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
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	3	3	3	3	3
	1	2	3	4	5
*TOTALS					

**Alimentary System**

Esophagus	+	+	+	+	+	5		
Liver	+	+	+	+	+	5		
Inflammation	1		1	1			3	1.0
Stomach, Forestomach	+	+	+	+	+	5		
Stomach, Glandular	+	+	+	+	+	5		
Glands, Cyst				1			1	1.0

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

Thymus	+	+	+	+	+	5		
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**Integumentary System**

NONE

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+ ..Tissue examined microscopically

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 Lab: BAT

F 344/N Rat Female  
 0 MG/KG

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	3	3	3	3	3
	1	2	3	4	5
	*TOTALS				

#### Musculoskeletal System

NONE

#### Nervous System

NONE

#### Respiratory System

Lung

+ + + + + 5

#### Special Senses System

NONE

#### Urinary System

Kidney

+ + + + + 5

Mineralization

1 1 1.0

Nephropathy

1 1 1.0

Urinary Bladder

+ + + + + 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: 20215-01  
 Test Type: 14-DAY  
 Route: GAVAGE  
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Test Compound: tert-Butyl hydroperoxide  
 CAS Number: 75-91-2

Date Report Requested: 10/21/2014  
 Time Report Requested: 05:27:15  
 First Dose M/F: NA / NA  
 Lab: BAT

F 344/N Rat Female  
 22 MG/KG

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	3	3	3	3	4
	6	7	8	9	0
*TOTALS					

#### Alimentary System

Stomach, Forestomach + + + + + 5

#### Cardiovascular System

NONE

#### Endocrine System

NONE

#### General Body System

NONE

#### Genital System

NONE

#### Hematopoietic System

NONE

#### Integumentary System

NONE

#### 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

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20215-01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

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

Test Compound: tert-Butyl hydroperoxide

CAS Number: 75-91-2

Date Report Requested: 10/21/2014

Time Report Requested: 05:27:15

First Dose M/F: NA / NA

Lab: BAT

**F 344/N Rat Female**  
**22 MG/KG**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	3	3	3	3	4
	6	7	8	9	0
	*TOTALS				

**Respiratory System**

NONE

**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

2) Mild 4) Marked

Experiment Number: 20215-01  
 Test Type: 14-DAY  
 Route: GAVAGE  
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Test Compound: tert-Butyl hydroperoxide  
 CAS Number: 75-91-2

Date Report Requested: 10/21/2014  
 Time Report Requested: 05:27:15  
 First Dose M/F: NA / NA  
 Lab: BAT

**F 344/N Rat Female**  
**44 MG/KG**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	4	4	4	4	4
	1	2	3	4	5
*TOTALS					

#### Alimentary System

Stomach, Forestomach	+	+	+	+	+	5		
Hyperplasia	1		1	2	1		4	1.3
Inflammation				1			1	1.0
Stomach, Glandular	+	+	+	+	+	5		

#### Cardiovascular System

NONE

#### Endocrine System

NONE

#### General Body System

NONE

#### Genital System

NONE

#### Hematopoietic System

NONE

#### 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

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: 20215-01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

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

Test Compound: tert-Butyl hydroperoxide

CAS Number: 75-91-2

Date Report Requested: 10/21/2014

Time Report Requested: 05:27:15

First Dose M/F: NA / NA

Lab: BAT

**F 344/N Rat Female**  
**44 MG/KG**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	4	4	4	4	4
	1	2	3	4	5
	*TOTALS				

NONE

**Nervous System**

NONE

**Respiratory System**

Lung

+ + + + + 5

**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

2) Mild 4) Marked

Experiment Number: 20215-01  
 Test Type: 14-DAY  
 Route: GAVAGE  
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Test Compound: tert-Butyl hydroperoxide  
 CAS Number: 75-91-2

Date Report Requested: 10/21/2014  
 Time Report Requested: 05:27:15  
 First Dose M/F: NA / NA  
 Lab: BAT

F 344/N Rat Female  
 88 MG/KG

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	4	4	4	4	5
	6	7	8	9	0
	*TOTALS				

#### Alimentary System

Stomach, Forestomach	+	+	+	+	+	5		
Hyperplasia	2	2	2	2	1		5	1.8
Inflammation	1	1	1	1	1		5	1.0
Stomach, Glandular	+	+	+	+	+	5		
Inflammation				1			1	1.0

#### Cardiovascular System

NONE

#### Endocrine System

NONE

#### General Body System

NONE

#### Genital System

NONE

#### Hematopoietic System

NONE

#### Integumentary 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: 20215-01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

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

Test Compound: tert-Butyl hydroperoxide

CAS Number: 75-91-2

Date Report Requested: 10/21/2014

Time Report Requested: 05:27:15

First Dose M/F: NA / NA

Lab: BAT

**F 344/N Rat Female**  
**88 MG/KG**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	4	4	4	4	5
	6	7	8	9	0
	*TOTALS				

**Musculoskeletal System**

NONE

**Nervous System**

NONE

**Respiratory System**

Lung	+	+	+	+	+	5		
Inflammation	1		1				2	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

2) Mild 4) Marked

Experiment Number: 20215-01  
 Test Type: 14-DAY  
 Route: GAVAGE  
 Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
 Test Compound: tert-Butyl hydroperoxide  
 CAS Number: 75-91-2

Date Report Requested: 10/21/2014  
 Time Report Requested: 05:27:15  
 First Dose M/F: NA / NA  
 Lab: BAT

**F 344/N Rat Female**  
**175 MG/KG**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
	1	2	3	4	5
*TOTALS					

#### Alimentary System

Esophagus	+	+	+	+	+	5		
Liver	+	+	+	+	+	5		
Inflammation	1		1	1	1		4	1.0
Stomach, Forestomach	+	+	+	+	+	5		
Hyperplasia	2	3	3	3	3		5	2.8
Inflammation	1	3	3	3	2		5	2.4
Ulcer		1					1	1.0
Stomach, Glandular	+	+	+	+	+	5		
Inflammation	1	2		2			3	1.7

#### Cardiovascular System

NONE

#### Endocrine System

NONE

#### General Body System

NONE

#### Genital System

NONE

#### Hematopoietic 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: 20215-01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

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

Test Compound: tert-Butyl hydroperoxide

CAS Number: 75-91-2

Date Report Requested: 10/21/2014

Time Report Requested: 05:27:15

First Dose M/F: NA / NA

Lab: BAT

**F 344/N Rat Female**  
**175 MG/KG**

	DAY ON TEST					
	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
	1	2	3	4	5	
	*TOTALS					
Thymus	+	+	+	+	+	5
Integumentary System						
NONE						
Musculoskeletal System						
NONE						
Nervous System						
NONE						
Respiratory System						
Lung	+	+	+	+	+	5
Inflammation			1			1 1.0
Special Senses System						
NONE						
Urinary System						
Kidney	+	+	+	+	+	5
Mineralization			1		1	2 1.0
Nephropathy			1			1 1.0
Urinary Bladder	+	+	+	+	+	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: 20215-01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

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

Test Compound: tert-Butyl hydroperoxide

CAS Number: 75-91-2

Date Report Requested: 10/21/2014

Time Report Requested: 05:27:15

First Dose M/F: NA / NA

Lab: BAT

**F 344/N Rat Female  
350 MG/KG**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	6
	6	7	8	9	0
*TOTALS					

**Alimentary System**

Esophagus	+	+	+	+	+	5	
Hyperplasia	1	1				2	1.0
Inflammation				4	4	2	4.0
Necrosis				4	3	2	3.5
Ulcer				4		1	4.0
Liver	+	+	+	+	+	5	
Hematopoietic Cell Proliferation					1	1	1.0
Inflammation		1		1		2	1.0
Stomach, Forestomach	+	+	+	+	+	5	
Hyperplasia	3	4	3	3	3	5	3.2
Inflammation	1	4	3	3	3	5	2.8
Ulcer	4	3	4	4	4	5	3.8
Stomach, Glandular	+	+	+	+	+	5	
Inflammation		2	2		3	3	2.3
Ulcer					4	1	4.0

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body 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: 20215-01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

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

Test Compound: tert-Butyl hydroperoxide

CAS Number: 75-91-2

Date Report Requested: 10/21/2014

Time Report Requested: 05:27:16

First Dose M/F: NA / NA

Lab: BAT

**F 344/N Rat Female  
350 MG/KG**

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	7	7	7	7	7
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	6
	6	7	8	9	0
	*TOTALS				

NONE

**Genital System**

NONE

**Hematopoietic System**

Thymus

+ + + + + 5

Necrosis, Lymphoid

3 3 2 3.0

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

**Respiratory System**

Lung

+ + + + + 5

Inflammation

1 1 2 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

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: 20215-01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: tert-Butyl hydroperoxide

CAS Number: 75-91-2

Date Report Requested: 10/21/2014

Time Report Requested: 05:27:16

First Dose M/F: NA / NA

Lab: BAT

F 344/N Rat Female  
350 MG/KG

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	7	7	7	7	7	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	6	
	6	7	8	9	0	
	*TOTALS					
	+	+	+	+	+	5
			1	2	1	3 1.3
	+	+	+	+	+	5

\*\* 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