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<th>Test Compound: Acetaminophen (4-hydroxyacetanilide)</th>
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Experiment Number: 55801-06
Test Type: ACUTE
Route: GAVAGE
Species/Strain: Rat/F 344/N

Date Report Requested: 10/20/2014
Time Report Requested: 09:31:04
First Dose M/F: NA / NA
Lab: BAT

Test Compound: Acetaminophen (4-hydroxyacetanilide)

F 344/N Rat Male
0 MG/KG 6 HR

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ALIMENTARY SYSTEM

Liver, Left Lobe
+ + + + + + 6

Liver, Median Lobe
+ + + + + + 6

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
M..Missing tissue
X..Lesion present
A..Autolysis precludes evaluation
I..Insufficient tissue
BLANK..Not examined microscopically

1-4..Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked
Experiment Number: 55801-06  
Test Type: ACUTE  
Route: GAVAGE  
Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL  
Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/20/2014  
Time Report Requested: 09:31:04  
First Dose M/F: NA / NA  
Lab: BAT

DAY ON TEST  
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F 344/N Rat Male  
0 MG/KG 6 HR  
ANIMAL ID  
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*TOTALS

NONE
Respiratory System
NONE
Special Senses System
NONE
Urinary System

Kidney  
+ + + + + + 6

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ ..Tissue examined microscopically  
M ..Missing tissue  
1-4 ..Lesion qualified as:  
X ..Lesion present  
A ..Autolysis precludes evaluation  
1) Minimal  3) Moderate  
I ..Insufficient tissue  
BLANK ..Not examined microscopically  
2) Mild  4) Marked
Experiment Number: 55801-06  
Test Type: ACUTE  
Route: GAVAGE  
Species/Strain: Rat/F 344/N

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*TOTALS

Alimentary System
- Liver, Left Lobe: + + + + + + 6
- Liver, Median Lobe: + + + + + + 6

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  
M ..Missing tissue  
A ..Autolysis precludes evaluation  
I ..Insufficient tissue  
BLANK ..Not examined microscopically  
1-4 ..Lesion qualified as:  
1) Minimal  
2) Mild  
3) Moderate  
4) Marked
**Experiment Number:** 55801-06  
**Test Type:** ACUTE  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N  

---

**Test Compound:** Acetaminophen (4-hydroxyacetonilide)  
**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 09:31:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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

#### F 344/N Rat Male  
**0 MG/KG 18 HR**

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* **TOTALS**

---

**Respiratory System**

NONE

---

**Special Senses System**

NONE

---

**Urinary System**

**Kidney**

+  +  +  +  +  +  6

---

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
M ..Missing tissue
X ..Lesion present
A ..Autolysis precludes evaluation
I ..Insufficient tissue
BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:
1) Minimal  
2) Mild  
3) Moderate  
4) Marked
**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

- **Test Compound:** Acetaminophen (4-hydroxyacetanilide)

---

### F 344/N Rat Male

**0 MG/KG 24 HR**

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### Alimentary System

- **Liver, Left Lobe:** + + + + + + 6
- **Liver, Median Lobe:** + + + + + + 6
  - **Necrosis:** 1 1 1.0

### Cardiovascular System

- **NONE**

### Endocrine System

- **NONE**

### General Body System

- **NONE**

### Genital System

- **NONE**

### Hematopoietic System

- **NONE**

### Integumentary System

- **NONE**

### Musculoskeletal System

- **NONE**

---

* ..Total animals with tissue examined microscopically: Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
M ..Missing tissue
X ..Lesion present
A ..Autolysis precludes evaluation
I ..Insufficient tissue
BLANK ..Not examined microscopically
1-4 ..Lesion qualified as:
1) Minimal  3) Moderate
2) Mild  4) Marked
Experiment Number: 55801-06  
Test Type: ACUTE  
Route: GAVAGE  
Species/Strain: Rat/F 344/N

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

Page 7
Experiment Number: 55801-06
Test Type: ACUTE
Route: GAVAGE
Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/20/2014
Time Report Requested: 09:31:04
First Dose M/F: NA / NA
Lab: BAT

F 344/N Rat Male
0 MG/KG 48 HR

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*TOTALS

Alimentary System
- Liver, Left Lobe: + + + + + + 6
- Liver, Median Lobe: + + + + + + 6

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
M ..Missing tissue
X ..Lesion present
A ..Autolysis precludes evaluation
I ..Insufficient tissue
BLANK ..Not examined microscopically
1-4 ..Lesion qualified as:
   1) Minimal
   2) Mild
   3) Moderate
   4) Marked
**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

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**RESPIRATORY SYSTEM**

NONE

**SPECIAL SENSES SYSTEM**

NONE

**URINARY SYSTEM**

Kidney

+ + + + + + 6

---

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

+ ..Tissue examined microscopically

M ..Missing tissue

X ..Lesion present

A ..Autolysis precludes evaluation

I ..Insufficient tissue

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 2) Mild 3) Moderate 4) Marked
Experiment Number: 55801-06
Test Type: ACUTE
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/20/2014
Time Report Requested: 09:31:04
First Dose M/F: NA / NA
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**F 344/N Rat Male**

**50 MG/KG6 HR**

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*TOTALS*

**Alimentary System**

Liver, Left Lobe + + + + + + 6
Liver, Median Lobe + + + + + + 6

**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
M ..Missing tissue
1-4 ..Lesion qualified as:
X ..Lesion present
A ..Autolysis precludes evaluation
1) Minimal 3) Moderate
I ..Insufficient tissue
BLANK ..Not examined microscopically
2) Mild 4) Marked
### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Species/Strain:** Rat/F 344/N

**Route:** GAVAGE

**Test Type:** ACUTE

**Experiment Number:** 55801-06

**Date Report Requested:** 10/20/2014

**Time Report Requested:** 09:31:04

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

**Lab:** BAT

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**F 344/N Rat Male**

**50 MG/KG6 HR**

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| 1 | 2 | 3 | 3 | 4 | 5 |

*TOTALS

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

**Kidney**

| 0 | 0 | 0 | 0 | 0 | 0 |

| + | + | + | + | + | 6 |

---

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

+ ..Tissue examined microscopically

M ..Missing tissue

1-4 ..Lesion qualified as:

1) Minimal  3) Moderate

X ..Lesion present

A ..Autolysis precludes evaluation

2) Mild   4) Marked

I ..Insufficient tissue

BLANK ..Not examined microscopically
F 344/N Rat Male
50 MG/KG18 HR

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*TOTALS*

**Alimentary System**
- Liver, Left Lobe 6
- Liver, Median Lobe 6

**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
M ..Missing tissue
X ..Lesion present
A ..Autolysis precludes evaluation
I ..Insufficient tissue
BLANK ..Not examined microscopically
1-4 ..Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked
**Experiment Number:** 55801-06  
**Test Type:** ACUTE  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 09:31:04  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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

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*TOTALS*

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<td>Urinary System</td>
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*..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+..Tissue examined microscopically  
M..Missing tissue  
1-4..Lesion qualified as:  
1) Minimal  
2) Mild  
3) Moderate  
4) Marked  
X..Lesion present  
A..Autolysis precludes evaluation  
I..Insufficient tissue  
BLANK..Not examined microscopically*
P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Acetaminophen (4-hydroxyacetanilide)

F 344/N Rat Male
50 MG/KG24 HR

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*..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
M ..Missing tissue
1-4 ..Lesion qualified as:
X ..Lesion present
A ..Autolysis precludes evaluation
I ..Insufficient tissue
BLANK ..Not examined microscopically
1) Minimal  2) Mild  3) Moderate  4) Marked
Experiment Number: 55801-06  
Test Type: ACUTE  
Route: GAVAGE  
Species/Strain: Rat/F 344/N  

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

Test Compound: Acetaminophen (4-hydroxyacetanilide)  

Date Report Requested: 10/20/2014  
Time Report Requested: 09:31:04  
First Dose M/F: NA / NA  
Lab: BAT

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**NONE**

Respiratory System

**NONE**

Special Senses System

**NONE**

Urinary System

Kidney

+ + + + + + 6

---

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

Page 15
Experiment Number: 55801-06  
Test Type: ACUTE  
Route: GAVAGE  
Species/Strain: Rat/F 344/N  
Date Report Requested: 10/20/2014  
Time Report Requested: 09:31:04  
First Dose M/F: NA / NA  
Lab: BAT

**D09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
Test Compound: Acetaminophen (4-hydroxyacetanilide)

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**Alimentary System**

- Liver, Left Lobe: + + + + + + 6
- Liver, Median Lobe: + + + + + + 6

**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
M ..Missing tissue
X ..Lesion present
A ..Autolysis precludes evaluation
I ..Insufficient tissue
BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:
1) Minimal  3) Moderate
2) Mild       4) Marked
Experiment Number: 55801-06  
Test Type: ACUTE  
Route: GAVAGE  
Species/Strain: Rat/F 344/N  

Test Compound: Acetaminophen (4-hydroxyacetanilide)  

Date Report Requested: 10/20/2014  
Time Report Requested: 09:31:04  
First Dose M/F: NA / NA  
Lab: BAT

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*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

Kidney + + + + + 6

* ..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
2) Mild
3) Moderate
4) Marked
Experiment Number: 55801-06
Test Type: ACUTE
Route: GAVAGE
Species/Strain: Rat/F 344/N

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

Test Compound: Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/20/2014
**Time Report Requested:** 09:31:04
**First Dose M/F:** NA / NA
**Lab:** BAT

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**DAY ON TEST**

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*TOTALS*

**Alimentary System**

- Liver, Left Lobe: + + + + + + 6
- Liver, Median Lobe: + + + + + + 6

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

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

1-4 ..Lesion qualified as:
1) Minimal
2) Mild
3) Moderate
4) Marked
Experiment Number: 55801-06
Test Type: ACUTE
Route: GAVAGE
Species/Strain: Rat/F 344/N

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/20/2014
Time Report Requested: 09:31:05
First Dose M/F: NA / NA
Lab: BAT

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

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**F 344/N Rat Male**

150MG/KG6 HR

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*TOTALS

**NONE**

Respiratory System

NONE

Special Senses System

NONE

Urinary System

Kidney

+ + + + + + 6

---

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
M ..Missing tissue
X ..Lesion present
A ..Autolysis precludes evaluation
I ..Insufficient tissue
BLANK ..Not examined microscopically
1-4 ..Lesion qualified as:
   1) Minimal
   2) Mild
   3) Moderate
   4) Marked
### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Species/Strain:** Rat/F344/N

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### F 344/N Rat Male

**150MG/KG 18 HR**

### Alimentary System

- Liver, Left Lobe: + + + + + + 6
- Liver, Median Lobe: + + + + + + 6

### 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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* ..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
2) Mild
3) Moderate
4) Marked
P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Experiment Number: 55801-06  
Test Type: ACUTE  
Route: GAVAGE  
Species/Strain: Rat/F 344/N

Date Report Requested: 10/20/2014  
Time Report Requested: 09:31:05  
First Dose M/F: NA / NA  
Lab: BAT

F 344/N Rat Male  
150MG/KG 18 HR

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*TOTALS

NONE  
Respiratory System  
NONE  
Special Senses System  
NONE  
Urinary System  

Kidney  

+ + + + + 6

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
M ..Missing tissue
1-4 ..Lesion qualified as:
X ..Lesion present
A ..Autolysis precludes evaluation
0-4 ..Lesion present
1) Minimal  2) Mild  3) Moderate  4) Marked
I ..Insufficient tissue
BLANK ..Not examined microscopically

Page 21
Experiment Number: 55801-06
Test Type: ACUTE
Route: GAVAGE
Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/20/2014
Time Report Requested: 09:31:05
First Dose M/F: NA / NA
Lab: BAT

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**Alimentary System**

| Liver, Left Lobe | + + + + + + | 6 |
| Liver, Median Lobe | + + + + + + | 6 |

**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
M ..Missing tissue
1-4 ..Lesion qualified as:
X ..Lesion present
A ..Autolysis precludes evaluation
1) Minimal 3) Moderate
I ..Insufficient tissue
BLANK ..Not examined microscopically
2) Mild 4) Marked
Experiment Number: 55801-06  
Test Type: ACUTE  
Route: GAVAGE  
Species/Strain: Rat/F 344/N  
Date Report Requested: 10/20/2014  
Time Report Requested: 09:31:05  
First Dose M/F: NA / NA  
Lab: BAT

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

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Day on Test**

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**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

Kidney

+ + + + + + 6

---

* ..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:** 55801-06  
**Test Type:** ACUTE  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N  
**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

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

**F 344/N Rat Male**  
**150MG/KG48 HR**

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*TOTALS*

**Alimentary System**
- Liver, Left Lobe: + + + + + + 6
- Liver, Median Lobe: + + + + + + 6

**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  
M ..Missing tissue  
1-4 ..Lesion qualified as:  
1) Minimal 2) Mild 3) Moderate 4) Marked  
X ..Lesion present  
A ..Autolysis precludes evaluation  
I ..Insufficient tissue  
BLANK ..Not examined microscopically

Page 24
### P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

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*TOTALS: NONE

**Respiratory System:** NONE

**Special Senses System:** NONE

**Urinary System:**

- **Kidney:** + + + + + 6

---

* ..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  2) Mild
2) Moderate  3) Moderate
4) Marked
## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

### Experiment Number:
55801-06

### Test Type:
ACUTE

### Route:
GAVAGE

### Species/Strain:
Rat/F 344/N

### Date Report Requested:
10/20/2014

### Time Report Requested:
09:31:05

### First Dose M/F:
NA / NA

### Lab:
BAT

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#### F 344/N Rat Male

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#### *TOTALS*

### Alimentary System

- **Liver, Left Lobe**
  - Necrosis, Focal: + + + + + + 6
  - Total: 1 1 1 3 1.0

- **Liver, Median Lobe**
  - Necrosis, Focal: + + + + + + 6
  - Total: 1 1 1 3 1.0

### Cardiovascular System

- NONE

### Endocrine System

- NONE

### General Body System

- NONE

### Genital System

- NONE

### Hematopoietic System

- NONE

### Integumentary System

- NONE

### Musculoskeletal System

- NONE

---

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

Page 26
**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

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**F 344/N Rat Male**

**1500MG/K6 HR**

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*TOTALS*

**Nervous System**

NONE

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

Kidney

+ + + + + + 6

---

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
M ..Missing tissue
X ..Lesion present
A ..Autolysis precludes evaluation
I ..Insufficient tissue
BLANK ..Not examined microscopically
1-4 ..Lesion qualified as:
   1) Minimal
   2) Mild
   3) Moderate
   4) Marked
Experiment Number: 55801-06
Test Type: ACUTE
Route: GAVAGE
Species/Strain: Rat/F 344/N

Date Report Requested: 10/20/2014
Time Report Requested: 09:31:05
First Dose M/F: NA / NA
Lab: BAT

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Acetaminophen (4-hydroxyacetanilide)

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**F 344/N Rat Male**
**1500MG/K18 HR**

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**Alimentary System**

- Liver, Left Lobe
  - Centrilobular, Necrosis: 1 + 1 + 3 + 3 1.7
  - Hepatocyte, Hypertrophy: 1 1 2 1.0
  - Sinusoid, Congestion: 1 3 2 2.0
- Liver, Median Lobe
  - Centrilobular, Infiltration Cellular: 1 + 1 + 1 1.0
  - Centrilobular, Necrosis: 2 1 1 1 3 5 1.6
  - Hepatocyte, Hypertrophy: 1 1 1 1.0
  - Sinusoid, Congestion: 3 1 3 3 2.3

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

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

Page 28
Experiment Number: 55801-06
Test Type: ACUTE
Route: GAVAGE
Species/Strain: Rat/F 344/N

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/20/2014
Time Report Requested: 09:31:05
First Dose M/F: NA / NA
Lab: BAT

F 344/N Rat Male
1500MG/K18 HR

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*TOTALS

Integumentary System
NONE

Musculoskeletal System
NONE

Nervous System
NONE

Respiratory System
NONE

Special Senses System
NONE

Urinary System

Kidney
+ + + + + + 6

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1-4 ...Lesion qualified as:
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**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
Test Compound: Acetaminophen (4-hydroxyacetanilide)

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**F 344/N Rat Male**
**1500MG/K24 HR**

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*TOTALS*

**Alimentary System**

- Liver, Left Lobe
  - Centrilobular, Infiltration Cellular, Mononuclear CI: + + + + + + 6
  - Centrilobular, Necrosis: 2 2 2 2 5 2.0
  - Hepatocyte, Hypertrophy: 1 1 1.0
  - Sinusoid, Congestion: 2 1 2.1.5
- Liver, Median Lobe
  - Centrilobular, Infiltration Cellular, Mononuclear CI: + + + + + + 6
  - Centrilobular, Necrosis: 1 1 1 3 1.0
  - Sinusoid, Congestion: 2 1 2 1 3 1.7

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

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

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

**Kidney**

+ + + + + + 6
Experiment Number: 55801-06
Test Type: ACUTE
Route: GAVAGE
Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/20/2014
Time Report Requested: 09:31:05
First Dose M/F: NA / NA
Lab: BAT

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**ALIMENTARY SYSTEM**

Liver, Left Lobe
- Centrilobular, Infiltration Cellular, Mononuclear Cl
  - Centrilobular, Necrosis
  - Hepatocyte, Degeneration
  - Hepatocyte, Regeneration
  - Sinusoid, Congestion

Liver, Median Lobe
- Centrilobular, Infiltration Cellular, Mononuclear Cl
  - Centrilobular, Necrosis
  - Hepatocyte, Degeneration
  - Hepatocyte, Regeneration
  - Sinusoid, Congestion

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

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

Page 32
**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

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**Genital System**
- NONE

**Hematopoietic System**
- NONE

**Integumentary System**
- NONE

**Musculoskeletal System**
- NONE

**Nervous System**
- NONE

**Respiratory System**
- NONE

**Special Senses System**
- NONE

**Urinary System**

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Renal Tubule, Necrosis

|   | 2 | 1 | 2.0 |

---

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

Page 33
P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Acetaminophen (4-hydroxyacetanilide)

Dietary System
Liver, Left Lobe
+ + + + + +........6
Necrosis, Focal
1 1 1 3 1.0
Liver, Median Lobe
+ + + + + +........6
Necrosis, Focal
1 1 1 3 1.0

Cardiovascular System
NONE

Endocrine System
NONE

General Body System
NONE

Genital System
NONE

Hematopoietic System
NONE

Integumentary System
NONE

Musculoskeletal System
NONE

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
M ..Missing tissue
1-4 ..Lesion qualified as:
1) Minimal
2) Mild
3) Moderate
4) Marked
X ..Lesion present
A ..Autolysis precludes evaluation
I ..Insufficient tissue
BLANK ..Not examined microscopically
**Experiment Number:** 55801-06  
**Test Type:** ACUTE  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 09:31:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

### Nervous System
- **None**

---

### Respiratory System
- **None**

---

### Special Senses System
- **None**

---

### Urinary System
- **Kidney**
  - + + + + + 6

---

*..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+..Tissue examined microscopically
M ..Missing tissue
A ..Autolysis precludes evaluation
1-4 ..Lesion qualified as:
1) Minimal  2) Mild
3) Moderate  4) Marked*
**Experiment Number:** 55801-06  
**Test Type:** ACUTE  
**Route:** Gavage  
**Species/Strain:** Rat/F 344/N

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 09:31:05

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

---

### Alimentary System

- **Liver, Left Lobe**
  - Centrilobular, Necrosis: 6
  - Hepatocyte, Hypertrophy: 2
  - Sinusoid, Congestion: 4
  - Liver, Median Lobe
    - Centrilobular, Infiltration Cellular: 1
    - Mononuclear CI
      - Centrilobular, Necrosis: 5
      - Hepatocyte, Hypertrophy: 1
      - Sinusoid, Congestion: 3

### Cardiovascular System

NONE

### Endocrine System

NONE

### General Body System

NONE

### Genital System

NONE

### Hematopoietic System

NONE

---

**Total animals with tissue examined microscopically:**

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**Tissue examined microscopically:**

- Liver, Left Lobe: 6
- Liver, Median Lobe: 6

**Lesion qualified as:**

1. Minimal
2. Mild
3. Moderate
4. Marked

---

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

+..Tissue examined microscopically

M..Missing tissue

X..Lesion precludes evaluation

I..Insufficient tissue

BLANK..Not examined microscopically

Page 36
Experiment Number: 55801-06  
Test Type: ACUTE  
Route: GAVAGE  
Species/Strain: Rat/F 344/N

**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/20/2014  
Time Report Requested: 09:31:05  
First Dose M/F: NA / NA  
Lab: BAT

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F 344/N Rat Male  
2000MG/K18 HR  

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*TOTALS*  

NONE  
Integumentary System  
NONE  
Musculoskeletal System  
NONE  
Nervous System  
NONE  
Respiratory System  
NONE  
Special Senses System  
NONE  
Urinary System  

Kidney  

+ + + + + + 6

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

Page 37
**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Experiment Number:** 55801-06  
**Test Type:** ACUTE  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N  
**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 09:31:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**F 344/N Rat Male**  
**2000MG/K24 HR**

| ANIMAL ID | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

### Alimentary System

- **Liver, Left Lobe**: + + + + + + 6  
  - Centrilobular, Infiltration Cellular: 1  
  - Centrilobular, Necrosis: 2 3 3 2 2 5 2.4  
  - Hepatocyte, Hypertrophy: 1 1 1 1 4 1.0  
  - Sinusoid, Congestion: 2 1 2 1.5  
- **Liver, Median Lobe**: + + + + + + 6  
  - Centrilobular, Infiltration Cellular: 2 1 2 1.5  

### Cardiovascular System

**NONE**

### Endocrine System

**NONE**

### General Body System

**NONE**

### Genital System

**NONE**

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically  
M ..Missing tissue  
X ..Lesion present  
A ..Autolysis precludes evaluation  
I ..Insufficient tissue  
BLANK ..Not examined microscopically  

1-4 ..Lesion qualified as:  
1) Minimal  2) Mild  3) Moderate  4) Marked
**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

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**F 344/N Rat Male**

**2000MG/K24 HR**

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*TOTALS*

---

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

Kidney + + + + + + 6

Renal Tubule, Necrosis 1 1 1.0

---

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
M ..Missing tissue
X ..Lesion present
A ..Autolysis precludes evaluation
I ..Insufficient tissue
BLANK ..Not examined microscopically
1-4 ..Lesion qualified as:
1) Minimal
2) Mild
3) Moderate
4) Marked
Experiment Number: 55801-06
Test Type: ACUTE
Route: GAVAGE
Species/Strain: Rat/F 344/N

Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/20/2014
Time Report Requested: 09:31:05

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

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**F 344/N Rat Male**

**2000MG/K48 HR**

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*TOTALS *

**Alimentary System**

Liver, Left Lobe
- Centrilobular, Infiltration Cellular, Mononuclear CI
  - Centrilobular, Necrosis: 3 2 2 1 2 2
  - Hepatocyte, Degeneration: 2 1 1
  - Hepatocyte, Regeneration: 1 3 2 1 3 3
  - Sinusoid, Congestion: 2 1 1

Liver, Median Lobe
- Centrilobular, Infiltration Cellular, Mononuclear CI
  - Centrilobular, Necrosis: 3 3 2 2 2 3
  - Hepatocyte, Degeneration: 1 1 1
  - Hepatocyte, Regeneration: 2 3 2 1 3 3
  - Sinusoid, Congestion: 2 2 3

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

*..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+..Tissue examined microscopically
M..Missing tissue
1-4..Lesion qualified as:
1) Minimal
2) Mild
3) Moderate
4) Marked

Page 40
**Experiment Number:** 55801-06  
**Test Type:** ACUTE  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 09:31:05  
**First Dose M/F:** NA / NA  
**Lab:** BAT

### F 344/N Rat Male  
**2000MG/K48 HR**

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*TOTALS*

**Genital System**  
NONE

**Hematopoietic System**  
NONE

**Integumentary System**  
NONE

**Musculoskeletal System**  
NONE

**Nervous System**  
NONE

**Respiratory System**  
NONE

**Special Senses System**  
NONE

**Urinary System**  
Kidney  
+ + + + + + 6

---

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
+ ..Tissue examined microscopically  
M ..Missing tissue  
1-4 ..Lesion qualified as:  
X ..Lesion present  
A ..Autolysis precludes evaluation  
1) Minimal 3) Moderate  
I ..Insufficient tissue  
BLANK ..Not examined microscopically  
2) Mild 4) Marked
Experiment Number: 55801-06  
Test Type: ACUTE  
Route: GAVAGE  
Species/Strain: Rat/F 344/N

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**DATE REPORT REQUESTED:** 10/20/2014  
**TIME REPORT REQUESTED:** 09:31:05  
**FIRST DOSE M/F:** NA / NA  
**LAB:** BAT

**DAY ON TEST**

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

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

---

**DAY ON TEST**

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### ANIMAL ID

**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
2) Mild
3) Moderate
4) Marked
## P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

**Test Compound:** Acetaminophen (4-hydroxyacetanilide)

**Species/Strain:** Rat/F 344/N

---

### DAY ON TEST

**F 344/N Rat Male**

**50 MG/KG SPECIAL**

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**ALIMENTARY SYSTEM**

- **None**

**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
DAY ON TEST

F 344/N Rat Male
50 MG/KG SPECIAL

Respiratory System
NONE

Special Senses System
NONE

Urinary System
NONE

*TOTALS

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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A ..Autolysis precludes evaluation
X ..Lesion present
I ..Insufficient tissue
BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:
1) Minimal  3) Moderate
2) Mild  4) Marked
Experiment Number: 55801-06
Test Type: ACUTE
Route: GAVAGE
Species/Strain: Rat/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Acetaminophen (4-hydroxyacetanilide)

Date Report Requested: 10/20/2014
Time Report Requested: 09:31:05
First Dose M/F: NA / NA
Lab: BAT

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<th>Day on Test</th>
<th>F 344/N Rat Male</th>
<th>1500MG/KSPECIAL</th>
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<td>Animal ID</td>
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***END OF MALE DATA***

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** END OF REPORT **