P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

C Number: C88148
Lock Date: 01/19/1994
Cage Range: All
Date Range: All
Reasons For Removal: All
Removal Date Range: All
Treatment Groups: All
Study Gender: Both
PWG Approval Date: NONE
**Experiment Number:** 88148-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**Test Compound:** 3,3',4,4'-Tetrachloroazobenzene  
**CAS Number:** 14047-09-7

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:44:10

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

**Lab:** MBA

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**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

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

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**Alimentary System**

- Liver: + + + + + 5
- Stomach, Forestomach: + + + + + 5
- Stomach, Glandular: + + + + + 5

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

- Lymph Node, Mesenteric: + + + + + 5
- Spleen: + + + + + 5
- Thymus: + + + + + 5

**Integumentary System**

NONE

---

* ..Total animals with tissue examined microscopically; Total animals with tumor  
+ ..Tissue examined microscopically  
X ..Lesion present  
I ..Insufficient tissue  
M ..Missing tissue  
A ..Autolysis precludes evaluation  
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**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

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

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**Musculoskeletal System**  
NONE

**Nervous System**  
NONE

**Respiratory System**  
NONE

**Special Senses System**  
NONE

**Urinary System**

Kidney  
+ + + + +  
5

**SYSTEMIC LESIONS**

Multiple Organ  
+ + + + +  
5

* ..Total animals with tissue examined microscopically; Total animals with tumor  
M ..Missing tissue  
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*TOTALS*

- **Alimentary System**
  - NONE
- **Cardiovascular System**
  - NONE
- **Endocrine System**
  - NONE
- **General Body System**
  - NONE
- **Genital System**
  - NONE
- **Hematopoietic System**
  - Spleen: + + + + + 5
- **Integumentary System**
  - NONE
- **Musculoskeletal System**
  - NONE
- **Nervous System**
  - NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor  
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Date Report Requested: 10/20/2014
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First Dose M/F: NA / NA
Lab: MBA

**Respiratory System**
- NONE

**Special Senses System**
- NONE

**Urinary System**

- Kidney
  - + + + + +
  - 5

**SYSTEMIC LESIONS**

- Multiple Organ
  - + + + + +
  - 5

---

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**Lab:** MBA

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### F 344/N Rat Male  
**32 MG/KG**

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*TOTALS*

#### Alimentary System

NONE

#### Cardiovascular System

NONE

#### Endocrine System

NONE

#### General Body System

NONE

#### Genital System

NONE

#### Hematopoietic System

Spleen: + + + + + 5

#### Integumentary System

NONE

#### Musculoskeletal System

NONE

#### Nervous System

NONE

---

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**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

Kidney  
+ + + + +  
5

**SYSTEMIC LESIONS**

Multiple Organ  
+ + + + +  
5

* ..Total animals with tissue examined microscopically; Total animals with tumor  
M ..Missing tissue  
+ ..Tissue examined microscopically  
A ..Autolysis precludes evaluation  
X ..Lesion present  
BLANK ..Not examined microscopically  
I ..Insufficient tissue
### F 344/N Rat Male
#### 80 MG/KG

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**TOTALS**

- **Alimentary System**: NONE
- **Cardiovascular System**: NONE
- **Endocrine System**: NONE
- **General Body System**: NONE
- **Genital System**: NONE
- **Hematopoietic System**: Spleen 5
- **Integumentary System**: NONE
- **Musculoskeletal System**: NONE
- **Nervous System**: NONE

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*TOTALS*

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

Kidney  
+ + + + + 5

**SYSTEMIC LESIONS**

Multiple Organ  
+ + + + + 5

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P04: NEOPLASMS BY INDIVIDUAL ANIMAL

F 344/N Rat Male
200 MG/KG

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*TOTALS

Alimentary System
Liver + 1

Cardiovascular System
NONE

Endocrine System
NONE

General Body System
NONE

Genital System
NONE

Hematopoietic System
Spleen + + + + + 5

Integumentary System
NONE

Musculoskeletal System
NONE

Nervous System
NONE

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| *TOTALS   | 1 | 2 | 3 | 4 | 5 |

**RESPIRATORY SYSTEM**
NONE

**SPECIAL SENSES SYSTEM**
NONE

**URINARY SYSTEM**
Kidney

| + | + | + | + | + | 5 |

**SYSTEMIC LESIONS**

Multiple Organ

| + | + | + | + | + | 5 |
## Experiment Number: 88148-01

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

## Test Compound: 3,3',4,4'-Tetrachloroazobenzene

- **CAS Number:** 14047-09-7

## Date Report Requested: 10/20/2014

## Time Report Requested: 07:44:10

## First Dose M/F: NA / NA

## Lab: MBA

### Alimentary System

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**TOTALS:**

- Liver: 5
- Stomach, Foremostomach: 5
- Stomach, Glandular: 5

### Cardiovascular System

NONE

### Endocrine System

NONE

### General Body System

NONE

### Genital System

NONE

### Hematopoietic System

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**TOTALS:**

- Lymph Node, Mesenteric: 5
- Spleen: 5
- Thymus: 5

### Integumentary System

NONE

---

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

Page 12
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F 344/N Rat Male
500 MG/KG

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*TOTALS*

Musculoskeletal System
NONE

Nervous System
NONE

Respiratory System
NONE

Special Senses System
NONE

Urinary System

Kidney

SYSTEMIC LESIONS

Multiple Organ

**TOTALS**

Musculoskeletal System
NONE

Nervous System
NONE

Respiratory System
NONE

Special Senses System
NONE

Urinary System

Kidney

SYSTEMIC LESIONS

Multiple Organ

**TOTALS**

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

***END OF MALE DATA***
Experiment Number: 88148-01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:44:10
First Dose M/F: NA / NA
Lab: MBA

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P04: NEOPLASMS BY INDIVIDUAL ANIMAL

F 344/N Rat Female
0 MG/KG

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**TOTALS**

---

**Alimentary System**

Liver
Stomach, Foreestomach
Stomach, Glandular

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**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

Lymph Node, Mesenteric
Spleen
Thymus

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**Integumentary System**

NONE

---

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

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Page 14
Experiment Number: 88148-01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 3,3',4,4'-Tetrachlorozobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
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First Dose M/F: NA / NA
Lab: MBA

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*TOTALS

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

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SYSTEMIC LESIONS

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* ..Total animals with tissue examined microscopically; Total animals with tumor
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X ..Lesion present
I  ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
### Experiment Number: 88148-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N  
**Test Compound:** 3,3',4,4'-Tetrachloroazobenzene  
**CAS Number:** 14047-09-7  
**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:44:10  
**First Dose M/F:** NA / NA  
**Lab:** MBA

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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*TOTALS*

### Alimentary System

- **Liver**
  - + 1

### Cardiovascular System

- NONE

### Endocrine System

- NONE

### General Body System

- NONE

### Genital System

- NONE

### Hematopoietic System

- Spleen
  - + + + + 5

### Integumentary System

- NONE

### Musculoskeletal System

- NONE

### Nervous System

- NONE

---

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

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Page 16
Experiment Number: 88148-01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/20/2014
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First Dose M/F: NA / NA
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F 344/N Rat Female
12.5 MG/KG

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*TOTALS

Respiratory System
NONE

Special Senses System
NONE

Urinary System
NONE

SYSTEMIC LESIONS

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* ..Total animals with tissue examined microscopically; Total animals with tumor
M ..Missing tissue
+ ..Tissue examined microscopically
A ..Autolysis precludes evaluation
X ..Lesion present
I ..Insufficient tissue
BLANK ..Not examined microscopically
**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

**Test Compound:** 3,3',4,4'-Tetrachloroazobenzene  
**CAS Number:** 14047-09-7

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

**ANIMAL ID**

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*TOTALS*

**Alimentary System**

NONE

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

Spleen + + + + 5

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

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BLANK ..Not examined microscopically
**Experiment Number:** 88148-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N  

**Test Compound:** 3,3',4,4'-Tetrachloroazobenzene  
**CAS Number:** 14047-09-7  

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:44:10  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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**Respiratory System**

- NONE

**Special Senses System**

- NONE

**Urinary System**

- NONE

**SYSTEMIC LESIONS**

- **Multiple Organ**
  
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*TOTALS*  

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

* ..Total animals with tissue examined microscopically; Total animals with tumor  
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X ..Lesion present  
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*TOTALS*

**Alimentary System**
- NONE

**Cardiovascular System**
- NONE

**Endocrine System**
- NONE

**General Body System**
- NONE

**Genital System**
- NONE

**Hematopoietic System**
- Spleen: + + + + + 5

**Integumentary System**
- NONE

**Musculoskeletal System**
- NONE

**Nervous System**
- NONE

---

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M ..Missing tissue  
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Route: GAVAGE
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P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: 3,3',4,4'-Tetrachloroazobenzene
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Date Report Requested: 10/20/2014
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Lab: MBA

Respiratory System
NONE

Special Senses System
NONE

Urinary System
NONE

SYSTEMIC LESIONS

Multiple Organ  +  +  +  +  +  5

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

F 344/N Rat Female
80 MG/KG

DAYS ON TEST

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*TOTALS
**Experiment Number:** 88148-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N  

**Date Report Requested:** 10/20/2014  
**Time Report Requested:** 07:44:10  

**Test Compound:** 3,3',4,4'-Tetrachloroazobenzene  
**CAS Number:** 14047-09-7  

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

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**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

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<tr>
<th>System</th>
<th><strong>Liver</strong></th>
<th><strong>Cardiovascular System</strong></th>
<th><strong>Endocrine System</strong></th>
<th><strong>General Body System</strong></th>
<th><strong>Genital System</strong></th>
<th><strong>Hematopoietic System</strong></th>
<th><strong>Integumentary System</strong></th>
<th><strong>Musculoskeletal System</strong></th>
<th><strong>Nervous System</strong></th>
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<tr>
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<td>NONE</td>
<td>NONE</td>
<td>Spleen</td>
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* ..Total animals with tissue examined microscopically; Total animals with tumor  
+ ..Tissue examined microscopically  
X ..Lesion present  
I ..Insufficient tissue  
M ..Missing tissue  
A ..Autolysis precludes evaluation  
BLANK ..Not examined microscopically
DAY ON TEST

F 344/N Rat Female
200 MG/KG

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*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ

+ + + + + 5
Experiment Number: 88148-01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

**Test Compound:** 3,3',4,4'-Tetrachloroazobenzene

**CAS Number:** 14047-09-7

Date Report Requested: 10/20/2014
Time Report Requested: 07:44:10
First Dose M/F: NA / NA
Lab: MBA

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**F 344/N Rat Female**

500   MG/KG

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**Alimentary System**

- Liver: + + + + + (5)
- Stomach, Forestomach: + + + + + (5)
- Stomach, Glandular: + + + + + (5)

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

- Ovary: + (1)

**Hematopoietic System**

- Lymph Node, Mesenteric: + + + + + (5)
- Spleen: + + + + + (5)
- Thymus: + + + + + (5)

**Integumentary System**

NONE

---

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

Page 24
**TOTALS**

<table>
<thead>
<tr>
<th>Musculoskeletal System</th>
<th>Nervous System</th>
<th>Respiratory System</th>
<th>Special Senses System</th>
<th>Urinary System</th>
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**SYSTEMIC LESIONS**

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<tr>
<th>Multiple Organ</th>
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<tbody>
<tr>
<td>Kidney</td>
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**END OF REPORT**

* ..Total animals with tissue examined microscopically; Total animals with tumor
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