Experiment Number: 88148-02
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/15/2014
First Dose M/F: NA / NA
Lab: MBA

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
P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

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

**DAY ON TEST**

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**TOTALS**

**B6C3F1 Mouse Male**

**0 MG/KG**

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**Alimentary System**

- Gallbladder: + + + + + 5
- Liver: + + + + + 5
- Hemorrhage, Focal: 1 1.0
- Stomach, Foregut: + + + + 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**

- BLANK: Not examined microscopically

*..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
1-4..Lesion qualified as:
1) Minimal 2) Mild 3) Moderate 4) Marked
Experiment Number: 88148-02
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: 3,3',4,4'-Tetrachlorazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/15/2014
Time Report Requested: 23:46:16
First Dose M/F: NA / NA
Lab: MBA

Day ON Test
B6C3F1 Mouse Male
0 MG/KG

ANIMAL ID

0
0
0
1
7
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
0
1
2
3
4
5

*TOTALS

Musculoskeletal System
NONE

Nervous System
NONE

Respiratory System
NONE

Special Senses System
NONE

Urinary System

Kidney

+ + + + + 5

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

**Experiment Number:** 88148-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1  
**Test Compound:** 3,3',4,4'-Tetrachloroazobenzene  
**CAS Number:** 14047-09-7

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 23:46:16  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

### B6C3F1 Mouse Male  
**1 MG/KG**

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<th><strong>Cardiovascular System</strong></th>
<th><strong>Endocrine System</strong></th>
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<th><strong>Genital System</strong></th>
<th><strong>Hematopoietic System</strong></th>
<th><strong>Integumentary System</strong></th>
<th><strong>Musculoskeletal System</strong></th>
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* ..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  
I ..Insufficient tissue  
BLANK ..Not examined microscopically

---

Page 4
**Experiment Number:** 88148-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

---

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

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

---

**D.A.Y ON T.E.S.T**

**B6C3F1 Mouse Male**  
**1 MG/KG**

| ANIMAL ID |เทคนิค |  *
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**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

---

Page 5
D DAY ON TEST

B6C3F1 Mouse Male

3.2 MG/KG

ANIMAL ID

______________________________  *TOTALS

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     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 6
Experiment Number: 88148-02
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

<table>
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*TOTALS

Respiratory System
NONE

Special Senses System
NONE

Urinary System
NONE

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<th>Tissue examined microscopically</th>
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<td>I ..Insufficient tissue</td>
<td>BLANK ..Not examined microscopically</td>
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<tr>
<td>M ..Missing tissue</td>
<td>1-4 ..Lesion qualified as:</td>
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1) Minimal  3) Moderate
2) Mild      4) Marked
**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

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

**Experiment Number:** 88148-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1  

**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 23:46:16  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**B6C3F1 Mouse Male**  
**10 MG/KG**

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

B6C3F1 Mouse Male
10 MG/KG

ANIMAL ID

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
+ ..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:** 3,3',4,4'-Tetrachloroazobenzene  
**CAS Number:** 14047-09-7  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1  

---

**Experiment Number:** 88148-02  
**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 23:46:16  
**First Dose M/F:** NA / NA  
**Lab:** MBA

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**B6C3F1 Mouse 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

---

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
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M ..Missing tissue  
1-4 ..Lesion qualified as:  
1) Minimal  
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Experiment Number: 88148-02
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
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First Dose M/F: NA / NA
Lab: MBA

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*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

M..Missing tissue

A..Autolysis precludes evaluation

1-4..Lesion qualified as:

1) Minimal  3) Moderate

2) Mild       4) Marked
Experiment Number: 88148-02
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

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**B6C3F1 Mouse Male**

| ANIMAL ID | 0 | 0 | 0 | 0 | 0 |
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|           | 2 | 2 | 2 | 2 | 3 |
|           | 6 | 7 | 8 | 9 | 0 |

**Alimentary System**

- Gallbladder: + + + + + 5
- Liver: + + + + + 5
  - Necrosis, Focal: 1 1 1.0
- Stomach, Foregut: + + + + + 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
  - Hematopoietic Cell Proliferation: 1 1 1.0
- Lymph Follic, Atrophy: 2 1 2 1.5

* ..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: 88148-02
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/15/2014
Time Report Requested: 23:46:16
First Dose M/F: NA / NA
Lab: MBA

### Thymus

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</table>

**TOTALS**

- + + + + 5

**Integumentary System**
- NONE

**Musculoskeletal System**
- NONE

**Nervous System**
- NONE

**Respiratory System**
- NONE

**Special Senses System**
- NONE

**Urinary System**

- **Kidney** + + + + + 5

***END OF MALE DATA***
### Experiment Number: 88148-02
**Test Type:** 14-DAY
**Route:** GAVAGE
**Species/Strain:** Mouse/B6C3F1

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

**Date Report Requested:** 10/15/2014
**Time Report Requested:** 23:46:16
**First Dose M/F:** NA / NA
**Lab:** MBA

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#### Alimentary System

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<tr>
<th>Tissue</th>
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<td>Gallbladder</td>
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<tr>
<td>Liver</td>
<td>+ + + + + 5</td>
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<td>Stomach, Fore stomach</td>
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<tr>
<td>Stomach, Glandular</td>
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#### Cardiovascular System

NONE

#### Endocrine System

NONE

#### General Body System

NONE

#### Genital System

NONE

#### Hematopoietic System

<table>
<thead>
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<th>Tissue</th>
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<tr>
<td>Lymph Node, Mesenteric</td>
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<td>Spleen</td>
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<td>+ + + + + 5</td>
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<td>Hemorrhage</td>
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#### Integumentary System

---

*..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 2) Mild
I..Insufficient tissue
BLANK..Not examined microscopically
3) Moderate 4) Marked
Experiment Number: 88148-02
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: 3,3',4,4'-Tetrachloroazobenzene
CAS Number: 14047-09-7

Date Report Requested: 10/15/2014
Time Report Requested: 23:46:16
First Dose M/F: NA / NA
Lab: MBA

DAY ON TEST
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</table>

ANIMAL ID
| 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 3 | 3 | 3 | 3 | 1 | 2 | 3 | 4 | 5 |

*M TOTALS

Musculoskeletal System
NONE

Nervous System
NONE

Respiratory System
NONE

Special Senses System
NONE

Urinary System
Kidney
+ + + + + 5

* ..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:
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1) Minimal 2) Mild
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Page 15
**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**

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

| **Experiment Number:** | 88148-02 | **Test Type:** | 14-DAY | **Route:** | GAVAGE | **Species/Strain:** | Mouse/B6C3F1 | **Date Report Requested:** | 10/15/2014 | **Time Report Requested:** | 23:46:16 | **First Dose M/F:** | NA / NA | **Lab:** | MBA |

### DAY ON TEST

**B6C3F1 Mouse Female**  
**1 MG/KG**

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

---

**DAY ON TEST**

**B6C3F1 Mouse Female**

**1 MG/KG**

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**Respiratory System**

- NONE

**Special Senses System**

- NONE

**Urinary System**

- NONE

---

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- **Total animals with tissue examined microscopically:**
- **Total animals with lesion and mean severity grade:**
- **M . Missing tissue:**
- **Autolysis precludes evaluation:**
- **X . Lesion present:**
- **Insufficient tissue:**
- **BLANK . Not examined microscopically:**
- **Lesion qualified as:**
  - 1) Minimal
  - 2) Mild
  - 3) Moderate
  - 4) Marked
**Experiment Number:** 88148-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

---

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

**Test Compound:** 3,3',4,4'-Tetrachloroazobenzene  
**CAS Number:** 14047-09-7  
**Date Report Requested:** 10/15/2014  
**Time Report Requested:** 23:46:16  
**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**DAY ON TEST**

**B6C3F1 Mouse Female**  
**3.2 MG/KG**

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<th>*TOTALS</th>
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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

---

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I ..Insufficient tissue  
BLANK ..Not examined microscopically  
2) Mild  4) Marked

---

Page 18
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<th>ANIMAL ID</th>
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<td>3.2  MG/KG</td>
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</table>

**Respiratory System**
- NONE

**Special Senses System**
- NONE

**Urinary System**
- NONE

---

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4) Marked
**Experiment Number:** 88148-02  
**Test Type:** 14-DAY  
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**Species/Strain:** Mouse/B6C3F1  

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**P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL**  
**Test Compound:** 3,3',4,4'-Tetrachloroazobenzene  
**CAS Number:** 14047-09-7  

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**Date Report Requested:** 10/15/2014  
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**First Dose M/F:** NA / NA  
**Lab:** MBA

---

**DAY ON TEST**  
**B6C3F1 Mouse Female**  
**10 MG/KG**

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<td><strong>Cardiovascular System</strong></td>
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<td><strong>Endocrine System</strong></td>
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<td><strong>Nervous System</strong></td>
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**Experiment Number:** 88148-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

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

---

### DAY ON TEST

**B6C3F1 Mouse Female**  
**10 MG/KG**

<table>
<thead>
<tr>
<th>ANIMAL ID</th>
<th>Respiratory System</th>
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<th>Urinary System</th>
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1-4 .Lesion qualified as:
1) Minimal  3) Moderate
2) Mild      4) Marked

---

*Lab: MBA

---

Page 21
**Experiment Number:** 88148-02  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/B6C3F1

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

---

**DAY ON TEST**

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**Alimentary System**

NONE

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

Spleen: + + + + + 5

Thymus: + + + + + 5

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

---

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Experiment Number: 88148-02
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

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*TOTALS

Respiratory System

- NONE

Special Senses System

- NONE

Urinary System

- NONE

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

**Test Compound:** 3',3',4,4'-Tetrachloroazobenzene  
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**DAY ON TEST**

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**B6C3F1 Mouse Female**  
**100 MG/KG**

**ANIMAL ID**  

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**Alimentary System**

- Gallbladder: + + + + 5
- Liver: + + + + 5
- Hematopoietic Cell Proliferation: 1 1 1.0
- 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
- Hematopoietic Cell Proliferation: 1 1 1 1 4 1.0
- Lymph Follic, Atrophy: 1 1 1 3 1.0

---

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**TOTALS**

- Thymus: + + + + + 5
- Atrophy: 1 1 2 1.0
- Hemorrhage: 1 1 1.0

**Integumentary System**

- NONE

**Musculoskeletal System**

- NONE

**Nervous System**

- NONE

**Respiratory System**

- NONE

**Special Senses System**

- NONE

**Urinary System**

- Kidney: + + + + + 5

**END OF REPORT**

---

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