

**TDMS No.** 88148 - 06  
**Test Type:** CHRONIC  
**Route:** GAVAGE  
**Species/Strain:** RATS/SD

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

3,3',4,4'-Tetrachloroazobenzene

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

**Date Report Requested:** 04/15/2009

**Time Report Requested:** 09:57:26

**First Dose M/F:** 01/29/03 / 01/30/03

**Lab:** BAT

F3\_R8

**C Number:** C88148C  
**Lock Date:** 09/22/2005  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.1.0

TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

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

Date Report Requested: 04/15/2009  
 Time Report Requested: 09:57:26  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

DAY ON TEST	ANIMAL ID																									males (cont...)
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	7	7	7	6	4	2	4	7	7	5	7	7	7	7	3	7	7	5	7	7	7	7	5	7	0	
3	2	2	2	5	9	7	9	2	2	6	2	2	2	2	9	2	2	9	2	2	2	2	1	2	0	
9	7	7	7	0	6	4	6	7	7	7	7	7	7	7	8	7	7	2	7	7	7	7	3	7	0	
<b>SPRAGUE-DAWLEY RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>0 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear										X														
Oral Mucosa	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gingival, Squamous Cell Carcinoma																								
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Acinus, Adenoma		X											X							X				
Acinus, Adenoma, Multiple																					X			

\* .. 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































































TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

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

Date Report Requested: 04/15/2009  
 Time Report Requested: 09:57:26  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	7	7	6	4	5	6	5	4	6	0	7	6	7	6	7	5	7	5	7	5	5	6	6	6	5
	2	2	1	2	7	2	0	7	8	6	2	3	0	9	2	4	2	2	2	2	4	0	7	3	7
	7	7	2	7	6	7	4	1	2	2	7	5	5	0	7	9	7	4	7	4	1	2	1	7	6
<b>SPRAGUE-DAWLEY RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>10 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	0
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0
	<b>* TOTALS</b>																								

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant																									1

\* .. 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

































TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

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

Date Report Requested: 04/15/2009  
 Time Report Requested: 09:57:26  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

DAY ON TEST	ANIMAL ID																									males (cont...)
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	5	5	5	6	7	5	6	6	6	5	5	5	6	4	1	7	1	3	6	6	4	5	6	6		
4	8	7	8	5	0	8	4	3	5	2	8	8	0	8	9	2	7	8	4	1	4	1	6	0		
4	8	1	5	0	6	9	5	5	0	9	6	8	3	4	2	7	4	7	8	3	3	4	7	8		
<b>SPRAGUE-DAWLEY RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
<b>100 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7			
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Cholangiocarcinoma								X		X							X							
Cholangiocarcinoma, Multiple													X											
Hepatocarcinoma, Multiple				X																				
Lymphoma Malignant								X																
Mesentery																								
Transitional Epithelial Carcinoma, Metastatic, Kidney																								

\* .. 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































TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

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

Date Report Requested: 04/15/2009  
 Time Report Requested: 09:57:26  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

DAY ON TEST	0																								
	2	5	7	7	6	7	7	7	4	7	7	7	7	6	5	6	5	7	6	7	7	3	7	6	7
3	4	2	2	7	2	2	2	0	2	2	2	2	1	8	6	4	2	9	2	2	7	2	3	2	
2	0	8	8	4	8	8	8	6	8	7	7	7	4	7	0	8	7	6	7	8	2	8	6	8	

---

ANIMAL ID	0																									females (cont...)
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2		
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5		

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma																								
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Pancreas				X																				
Cholangiocarcinoma																								
Hepatocellular Adenoma														X										
Histiocytic Sarcoma																								
Leukemia Mononuclear							X																	

\* .. 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





TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

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

Date Report Requested: 04/15/2009  
 Time Report Requested: 09:57:26  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

DAY ON TEST	0																								
	2	5	7	7	6	7	7	7	4	7	7	7	7	6	5	6	5	7	6	7	7	3	7	6	7
3	4	2	2	7	2	2	2	0	2	2	2	2	1	8	6	4	2	9	2	2	7	2	3	2	
2	0	8	8	4	8	8	8	6	8	7	7	7	4	7	0	8	7	6	7	8	2	8	6	8	

---

ANIMAL ID	0																									females (cont...)
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2		
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5		

**GENERAL BODY SYSTEM**  
 NONE

**GENITAL SYSTEM**

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Pancreas				X																				
Granulosa Cell Tumor Malignant																								
Histiocytic Sarcoma																								
Oviduct																								
Carcinoma, Metastatic, Intestine Small, Duodenum																								
Histiocytic Sarcoma																								
Polyp Stromal																								
Squamous Cell Carcinoma																								
Endometrium, Carcinoma																								
Endometrium, Polyp Stromal																								

\* .. 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









TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

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

Date Report Requested: 04/15/2009  
 Time Report Requested: 09:57:26  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

DAY ON TEST	ANIMAL ID																									females (cont...)
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	5	7	7	6	7	7	7	4	7	7	7	7	6	5	6	5	7	6	7	7	3	7	6	7	0	
3	4	2	2	7	2	2	2	0	2	2	2	2	1	8	6	4	2	9	2	2	7	2	3	2	0	
2	0	8	8	4	8	8	8	6	8	7	7	7	4	7	0	8	7	6	7	8	2	8	6	8	0	
<hr/>																										
SPRAGUE-DAWLEY RATS FEMALE 0 MG/KG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	2	
<hr/>																										
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

**SYSTEMIC LESIONS**

Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Histiocytic Sarcoma																								
Leukemia Mononuclear																								

\* .. 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













TDMS No. 88148 - 06  
 Test Type: CHRONIC  
 Route: GAVAGE  
 Species/Strain: RATS/SD

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

Date Report Requested: 04/15/2009  
 Time Report Requested: 09:57:26  
 First Dose M/F: 01/29/03 / 01/30/03  
 Lab: BAT

DAY ON TEST	ANIMAL ID																								* TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	7	7	7	6	7	7	5	7	5	5	7	5	5	5	6	7	7	4	7	7	7	7	4	6	
2	0	2	2	7	2	2	9	2	4	7	2	6	0	8	8	0	2	8	2	1	2	2	7	4	
8	0	8	8	4	7	7	5	8	8	5	7	0	4	8	4	6	7	3	8	2	8	8	8	9	
<b>SPRAGUE-DAWLEY RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
<b>0 MG/KG</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	2	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	

Carcinoma	X																							X	<b>4</b>
Fibroadenoma	X		X	X					X			X	X	X	X		X		X			X	X		<b>23</b>
Fibroadenoma, Multiple					X										X		X				X				<b>8</b>
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>
Skeletal Muscle																									<b>2</b>
Rhabdomyosarcoma																									<b>1</b>

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	<b>50</b>
Peripheral Nerve																									<b>2</b>
Schwannoma Malignant																									<b>1</b>
Spinal Cord																									<b>1</b>

**RESPIRATORY SYSTEM**

\* .. 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

































































































