

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

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

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:49:06

First Dose M/F: NA / NA

Lab: BAT

C Number:	C88148B
Lock Date:	10/02/2001
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: 88148-05

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Date Report Requested: 10/20/2014

Test Type: 90-DAY

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

Time Report Requested: 07:49:06

Route: GAVAGE

CAS Number: 14047-09-7

First Dose M/F: NA / NA

Species/Strain: Rat/HSD

Lab: BAT

HSD Rat MALE	0 MG/KG	0.1 MG/KG	0.3 MG/KG	1.0 MG/KG	3.0 MG/KG	10.0 MG/KG
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(0)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Pancreas	(10)	(0)	(0)	(0)	(0)	(0)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(0)
Tongue	(10)	(0)	(0)	(0)	(0)	(0)
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(0)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(0)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(0)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(0)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						
HEMATOPOIETIC SYSTEM						
Spleen	(10)	(10)	(10)	(10)	(10)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

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

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:49:06

First Dose M/F: NA / NA

Lab: BAT

HSD Rat MALE	0 MG/KG	0.1 MG/KG	0.3 MG/KG	1.0 MG/KG	3.0 MG/KG	10.0 MG/KG
Thymus	(9)	(10)	(10)	(10)	(10)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(10)	(0)	(0)	(0)	(0)	(0)
Skin	(10)	(0)	(0)	(0)	(0)	(0)
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Lung	(10)	(10)	(9)	(10)	(10)	(10)
Nose	(10)	(0)	(0)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
None						

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

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

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:49:06

First Dose M/F: NA / NA

Lab: BAT

HSD Rat MALE	30.0 MG/KG	100.00 MG/KG
Disposition Summary		
Animals Initially In Study	10	10
Early Deaths		
Survivors		
Terminal Sacrifice	10	10
Animals Examined Microscopically	10	10
ALIMENTARY SYSTEM		
Intestine Small, Duodenum	(0)	(10)
Liver	(10)	(10)
Pancreas	(0)	(10)
Stomach, Forestomach	(0)	(10)
Tongue	(0)	(10)
CARDIOVASCULAR SYSTEM		
None		
ENDOCRINE SYSTEM		
Adrenal Cortex	(0)	(10)
Adrenal Medulla	(0)	(10)
Pituitary Gland	(0)	(10)
Thyroid Gland	(0)	(10)
GENERAL BODY SYSTEM		
None		
GENITAL SYSTEM		
None		
HEMATOPOIETIC SYSTEM		
Spleen	(10)	(9)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

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

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:49:06

First Dose M/F: NA / NA

Lab: BAT

HSD Rat MALE	30.0 MG/KG	100.00 MG/KG
Thymus	(10)	(8)
INTEGUMENTARY SYSTEM		
Mammary Gland	(0)	(10)
Skin	(0)	(10)
MUSCULOSKELETAL SYSTEM		
None		
NERVOUS SYSTEM		
None		
RESPIRATORY SYSTEM		
Lung	(10)	(10)
Nose	(0)	(10)
SPECIAL SENSES SYSTEM		
None		
URINARY SYSTEM		
None		

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

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

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:49:06

First Dose M/F: NA / NA

Lab: BAT

HSD Rat MALE	0 MG/KG	0.1 MG/KG	0.3 MG/KG	1.0 MG/KG	3.0 MG/KG	10.0 MG/KG
Tumor Summary for MALE						
Total Animals with Primary Neoplasms (b)						
Total Primary Neoplasms						
Total Animals with Benign Neoplasms						
Total Benign Neoplasms						
Total Animals with Malignant Neoplasms						
Total Malignant Neoplasms						
Total Animals with Metastatic Neoplasms						
Total Metastatic Neoplasms						
Total Animals with Malignant Neoplasms Uncertain Primary Site						
Total Animals with Neoplasms Uncertain - Benign or Malignant						
Total Uncertain Neoplasms						

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

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

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:49:06

First Dose M/F: NA / NA

Lab: BAT

HSD Rat MALE

30.0 MG/KG

100.00 MG/KG

Tumor Summary for MALE

Total Animals with Primary Neoplasms (b)

Total Primary Neoplasms

Total Animals with Benign Neoplasms

Total Benign Neoplasms

Total Animals with Malignant Neoplasms

Total Malignant Neoplasms

Total Animals with Metastatic Neoplasms

Total Metastatic Neoplasms

**Total Animals with Malignant Neoplasms
Uncertain Primary Site**

**Total Animals with Neoplasms Uncertain -
Benign or Malignant**

Total Uncertain Neoplasms

END OF MALE DATA

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

Experiment Number: 88148-05

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

Date Report Requested: 10/20/2014

Test Type: 90-DAY

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

Time Report Requested: 07:49:06

Route: GAVAGE

CAS Number: 14047-09-7

First Dose M/F: NA / NA

Species/Strain: Rat/HSD

Lab: BAT

HSD Rat FEMALE	0 MG/KG	0.1 MG/KG	0.3 MG/KG	1.0 MG/KG	3.0 MG/KG	10.0 MG/KG
Disposition Summary						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	10	10	10	10	10
ALIMENTARY SYSTEM						
Intestine Small, Duodenum	(10)	(0)	(0)	(0)	(0)	(0)
Liver	(10)	(10)	(10)	(10)	(10)	(10)
Oral Mucosa	(0)	(0)	(0)	(0)	(0)	(0)
Pancreas	(10)	(0)	(0)	(0)	(0)	(0)
Stomach, Forestomach	(10)	(0)	(0)	(0)	(0)	(0)
Tongue	(10)	(0)	(0)	(0)	(0)	(0)
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
Adrenal Cortex	(10)	(0)	(2)	(0)	(0)	(0)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(0)
Pituitary Gland	(10)	(0)	(0)	(0)	(0)	(0)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(0)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Ovary	(10)	(0)	(0)	(0)	(0)	(0)
Uterus	(10)	(0)	(1)	(0)	(0)	(0)
Vagina	(10)	(0)	(0)	(0)	(0)	(0)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

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

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:49:07

First Dose M/F: NA / NA

Lab: BAT

HSD Rat FEMALE	0 MG/KG	0.1 MG/KG	0.3 MG/KG	1.0 MG/KG	3.0 MG/KG	10.0 MG/KG
HEMATOPOIETIC SYSTEM						
Spleen	(10)	(2)	(2)	(2)	(2)	(10)
Thymus	(10)	(10)	(10)	(10)	(10)	(10)
INTEGUMENTARY SYSTEM						
Mammary Gland	(9)	(0)	(0)	(0)	(0)	(0)
Skin	(10)	(0)	(0)	(0)	(0)	(0)
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
Lung	(10)	(10)	(10)	(10)	(10)	(9)
Nose	(10)	(0)	(0)	(0)	(0)	(0)
SPECIAL SENSES SYSTEM						
Eye	(0)	(1)	(0)	(0)	(2)	(1)
URINARY SYSTEM						
None						

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

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

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:49:07

First Dose M/F: NA / NA

Lab: BAT

HSD Rat FEMALE	30.0 MG/KG	100.0 MG/KG
Disposition Summary		
Animals Initially In Study	10	10
Early Deaths		
Survivors		
Terminal Sacrifice	10	10
Animals Examined Microscopically	10	10
ALIMENTARY SYSTEM		
Intestine Small, Duodenum	(0)	(10)
Liver	(10)	(10)
Oral Mucosa	(0)	(2)
Pancreas	(0)	(10)
Stomach, Forestomach	(0)	(10)
Tongue	(0)	(10)
CARDIOVASCULAR SYSTEM		
None		
ENDOCRINE SYSTEM		
Adrenal Cortex	(1)	(10)
Adrenal Medulla	(0)	(10)
Pituitary Gland	(0)	(10)
Thyroid Gland	(0)	(10)
GENERAL BODY SYSTEM		
None		
GENITAL SYSTEM		
Ovary	(0)	(10)
Uterus	(0)	(10)
Vagina	(0)	(10)

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

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

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:49:07

First Dose M/F: NA / NA

Lab: BAT

HSD Rat FEMALE	30.0 MG/KG	100.0 MG/KG
HEMATOPOIETIC SYSTEM		
Spleen	(10)	(10)
Thymus	(10)	(10)
INTEGUMENTARY SYSTEM		
Mammary Gland	(0)	(10)
Skin	(0)	(10)
MUSCULOSKELETAL SYSTEM		
None		
NERVOUS SYSTEM		
None		
RESPIRATORY SYSTEM		
Lung	(9)	(10)
Nose	(0)	(10)
SPECIAL SENSES SYSTEM		
Eye	(0)	(0)
URINARY SYSTEM		
None		

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

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

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:49:07

First Dose M/F: NA / NA

Lab: BAT

HSD Rat FEMALE

0 MG/KG

0.1 MG/KG

0.3 MG/KG

1.0 MG/KG

3.0 MG/KG

10.0 MG/KG

Tumor Summary for FEMALE

Total Animals with Primary Neoplasms (b)

Total Primary Neoplasms

Total Animals with Benign Neoplasms

Total Benign Neoplasms

Total Animals with Malignant Neoplasms

Total Malignant Neoplasms

Total Animals with Metastatic Neoplasms

Total Metastatic Neoplasms

Total Animals with Malignant Neoplasms

Uncertain Primary Site

Total Animals with Neoplasms Uncertain -

Benign or Malignant

Total Uncertain Neoplasms

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically

Experiment Number: 88148-05

Test Type: 90-DAY

Route: GAVAGE

Species/Strain: Rat/HSD

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)

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

CAS Number: 14047-09-7

Date Report Requested: 10/20/2014

Time Report Requested: 07:49:07

First Dose M/F: NA / NA

Lab: BAT

HSD Rat FEMALE

30.0 MG/KG

100.0 MG/KG

Tumor Summary for FEMALE

Total Animals with Primary Neoplasms (b)

Total Primary Neoplasms

Total Animals with Benign Neoplasms

Total Benign Neoplasms

Total Animals with Malignant Neoplasms

Total Malignant Neoplasms

Total Animals with Metastatic Neoplasms

Total Metastatic Neoplasms

Total Animals with Malignant Neoplasms

Uncertain Primary Site

Total Animals with Neoplasms Uncertain -

Benign or Malignant

Total Uncertain Neoplasms

**** END OF REPORT ****

a - Number of animals examined microscopically at site and number of animals with lesion

b - Primary tumors: all tumors except metastatic tumors

* Number of animals with any tissue examined microscopically