

Experiment Number: 60311 - 01
Test Type: 14-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: RATS/F 344/N

P02: INCIDENCE RATES OF NEOPLASMS BY ANATOMIC SITE (a)
Cobalt
CAS Number: 7440-48-4

Date Report Requested: 09/13/2016
Time Report Requested: 11:25:32
First Dose M/F: 08/02/04 / 08/02/04
Lab: BNW

NTP Study Number: C60311
Lock Date: 11/29/2005
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL
Study Gender: Both
TDMSE Version: 3.0.2.3_002
PWG Approval Date: NONE

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FISCHER 344 RATS MALE	CONTROL	2.5 MG/M3	5 MG/M3	10 MG/M3	20 MG/M3	40 MG/M3
Disposition Summary						
Animals Initially In Study	5	5	5	5	5	5
Early Deaths						
Moribund Sacrifice					1	
Natural Death					4	5
Survivors						
Terminal Sacrifice	5	5	5	5		
Animals Examined Microscopically	5	5	5	5	5	5
ALIMENTARY SYSTEM						
Liver	(5)	(0)	(0)	(0)	(5)	(5)
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
Thyroid Gland	(5)	(0)	(0)	(0)	(5)	(5)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Testes	(0)	(0)	(0)	(0)	(0)	(1)
HEMATOPOIETIC SYSTEM						
Lymph Node	(0)	(0)	(0)	(0)	(0)	(1)

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

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FISCHER 344 RATS MALE	CONTROL	2.5 MG/M3	5 MG/M3	10 MG/M3	20 MG/M3	40 MG/M3
Lymph Node, Bronchial	(0)	(0)	(0)	(0)	(0)	(1)
Lymph Node, Mediastinal	(2)	(0)	(0)	(2)	(0)	(0)
INTEGUMENTARY SYSTEM						
None						
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
Brain	(5)	(0)	(0)	(5)	(5)	(5)
RESPIRATORY SYSTEM						
Lung	(5)	(5)	(5)	(5)	(5)	(5)
Nose	(5)	(5)	(5)	(5)	(5)	(5)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(5)	(0)	(0)	(0)	(5)	(5)
Urinary Bladder	(5)	(0)	(0)	(5)	(5)	(5)

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

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FISCHER 344 RATS MALE

CONTROL

2.5 MG/M3

5 MG/M3

10 MG/M3

20 MG/M3

40 MG/M3

Tumor Summary for Males

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 ***

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

b - Primary tumors: all tumors except metastatic tumors

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Lab: BNW

FISCHER 344 RATS FEMALE	CONTROL	2.5 MG/M3	5 MG/M3	10 MG/M3	20 MG/M3	40 MG/M3
Disposition Summary						
Animals Initially In Study	5	5	5	5	5	5
Early Deaths						
Natural Death					3	5
Survivors						
Terminal Sacrifice	5	5	5	5	2	
Animals Examined Microscopically	5	5	5	5	5	5
ALIMENTARY SYSTEM						
Liver	(5)	(0)	(0)	(0)	(5)	(5)
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
Thyroid Gland	(5)	(0)	(0)	(0)	(5)	(4)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						
HEMATOPOIETIC SYSTEM						
Lymph Node	(0)	(0)	(1)	(0)	(0)	(0)

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

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FISCHER 344 RATS FEMALE	CONTROL	2.5 MG/M3	5 MG/M3	10 MG/M3	20 MG/M3	40 MG/M3
INTEGUMENTARY SYSTEM						
None						
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
Brain	(5)	(0)	(0)	(5)	(5)	(5)
RESPIRATORY SYSTEM						
Lung	(5)	(5)	(5)	(5)	(5)	(5)
Nose	(5)	(5)	(5)	(5)	(5)	(5)
Trachea	(0)	(0)	(0)	(0)	(0)	(2)
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
Kidney	(5)	(0)	(0)	(0)	(5)	(5)
Urinary Bladder	(0)	(0)	(0)	(0)	(0)	(2)

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

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FISCHER 344 RATS FEMALE

CONTROL

2.5 MG/M3

5 MG/M3

10 MG/M3

20 MG/M3

40 MG/M3

Tumor Summary for Females

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