

Experiment Number: 60311 - 02

Test Type: 14-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE(a)

Cobalt

CAS Number: 7440-48-4

Date Report Requested: 09/13/2016

Time Report Requested: 14:38:57

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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B6C3F1 MICE 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						
Natural Death						3
Survivors						
Terminal Sacrifice	5	5	5	5	5	2
Animals Examined Microscopically	5	5	5	5	5	5
ALIMENTARY SYSTEM						
Liver	(5)	(0)	(0)	(0)	(0)	(5)
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
Thyroid Gland	(3)	(0)	(0)	(0)	(0)	(5)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
None						
HEMATOPOIETIC SYSTEM						
Spleen	(0)	(1)	(0)	(1)	(0)	(0)

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

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B6C3F1 MICE MALE	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						
None						
RESPIRATORY SYSTEM						
Lung	(5)	(5)	(5)	(5)	(5)	(5)
Inflammation, Acute						3 (60%)
Alveolar/bronchiolar Epithelium, Karyomegaly			4 (80%)	5 (100%)	5 (100%)	4 (80%)
Alveolus, Infiltration Cellular, Histiocyte		2 (40%)	5 (100%)	5 (100%)	5 (100%)	5 (100%)
Bronchiole, Epithelium, Necrosis						1 (20%)
Bronchiole, Epithelium, Vacuolization Cytoplasmic		4 (80%)	3 (60%)	5 (100%)	3 (60%)	3 (60%)
Interstitium, Fibrosis				3 (60%)	5 (100%)	3 (60%)
Nose	(5)	(5)	(5)	(5)	(5)	(5)
Inflammation, Acute			1 (20%)	5 (100%)	5 (100%)	5 (100%)
Olfactory Epithelium, Atrophy		5 (100%)	5 (100%)	5 (100%)	5 (100%)	4 (80%)
Olfactory Epithelium, Necrosis		2 (40%)	3 (60%)		5 (100%)	5 (100%)
Respiratory Epithelium, Metaplasia, Squamous				4 (80%)	4 (80%)	2 (40%)
Respiratory Epithelium, Necrosis						2 (40%)
Respiratory Epithelium, Vacuolization Cytoplasmic		4 (80%)	5 (100%)	4 (80%)	5 (100%)	5 (100%)

SPECIAL SENSES SYSTEM						
None						

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Lab: BNW

B6C3F1 MICE MALE	CONTROL	2.5 MG/M3	5 MG/M3	10 MG/M3	20 MG/M3	40 MG/M3
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URINARY SYSTEM						
Kidney	(5)	(0)	(0)	(0)	(0)	(5)

*** END OF MALE ***

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 Lab: BNW

B6C3F1 MICE 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
Survivors						
Terminal Sacrifice	5	5	5	5	5	2
Animals Examined Microscopically	5	5	5	5	5	5
ALIMENTARY SYSTEM						
Liver	(5)	(0)	(0)	(0)	(0)	(5)
CARDIOVASCULAR SYSTEM						
None						
ENDOCRINE SYSTEM						
Thyroid Gland	(5)	(0)	(0)	(0)	(0)	(5)
GENERAL BODY SYSTEM						
None						
GENITAL SYSTEM						
Ovary	(0)	(1)	(0)	(0)	(0)	(0)
HEMATOPOIETIC SYSTEM						
Spleen	(0)	(0)	(0)	(0)	(0)	(1)

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B6C3F1 MICE 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						
None						
RESPIRATORY SYSTEM						
Lung	(5)	(5)	(5)	(5)	(5)	(5)
Inflammation, Acute			2 (40%)	1 (20%)	3 (60%)	2 (40%)
Alveolar/bronchiolar Epithelium, Karyomegaly		3 (60%)	4 (80%)	5 (100%)	4 (80%)	4 (80%)
Alveolus, Infiltration Cellular, Histiocyte		2 (40%)	5 (100%)	5 (100%)	5 (100%)	5 (100%)
Bronchiole, Epithelium, Vacuolization Cytoplasmic		2 (40%)	4 (80%)	3 (60%)	2 (40%)	1 (20%)
Interstitium, Fibrosis				2 (40%)	5 (100%)	2 (40%)
Nose	(5)	(5)	(5)	(5)	(5)	(5)
Inflammation, Acute			5 (100%)	5 (100%)	5 (100%)	5 (100%)
Olfactory Epithelium, Atrophy		5 (100%)	5 (100%)	5 (100%)	5 (100%)	3 (60%)
Olfactory Epithelium, Necrosis		3 (60%)	5 (100%)	2 (40%)	4 (80%)	3 (60%)
Respiratory Epithelium, Metaplasia, Squamous				1 (20%)	3 (60%)	1 (20%)
Respiratory Epithelium, Necrosis						1 (20%)
Respiratory Epithelium, Vacuolization Cytoplasmic		5 (100%)	5 (100%)	5 (100%)	4 (80%)	4 (80%)

SPECIAL SENSES SYSTEM

None

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URINARY SYSTEM						
Kidney	(5)	(0)	(0)	(0)	(0)	(5)

*** END OF REPORT ***

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