

Experiment Number: 60311 - 01

Test Type: 14-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cobalt

CAS Number: 7440-48-4

Date Report Requested: 09/13/2016

Time Report Requested: 11:25:33

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

Note: Animals arranged according to days on test.

Experiment Number: 60311 - 01

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Cobalt

CAS Number: 7440-48-4

Date Report Requested: 09/13/2016

Time Report Requested: 11:25:33

First Dose M/F: 08/02/04 / 08/02/04

Lab: BNW

FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		6	6	6	6	6	
CONTROL	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		0	0	0	0	0	
		0	0	0	0	0	
		1	2	3	4	5	
							* TOTALS

ALIMENTARY SYSTEM

Liver	+	+	+	+	+		5
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CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Thyroid Gland	+	+	+	+	+		5
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GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

Lymph Node, Mediastinal			+	+			2
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INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS 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

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First Dose M/F: 08/02/04 / 08/02/04

Lab: BNW

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
FISCHER 344 RATS MALE	1	1	1	1	1	
	6	6	6	6	6	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	1	2	3	4	5	
						* TOTALS
Brain	+	+	+	+	+	5
RESPIRATORY SYSTEM						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
SPECIAL SENSES SYSTEM						
NONE						
URINARY SYSTEM						
Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5
SYSTEMIC LESIONS						
Multiple Organ	+	+	+	+	+	5

* .. 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

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Time Report Requested: 11:25:33

First Dose M/F: 08/02/04 / 08/02/04

Lab: BNW

FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		6	6	6	6	6	
		0	0	0	0	0	
2.5 MG/M3	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		2	2	2	2	2	
		0	0	0	0	0	
		1	2	3	4	5	
* 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

* .. 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

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Date Report Requested: 09/13/2016

Time Report Requested: 11:25:33

First Dose M/F: 08/02/04 / 08/02/04

Lab: BNW

FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		6	6	6	6	6	
		0	0	0	0	0	
2.5 MG/M3	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		2	2	2	2	2	
		0	0	0	0	0	
		1	2	3	4	5	
* TOTALS							

NONE

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	5
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* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
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CAS Number: 7440-48-4

Date Report Requested: 09/13/2016

Time Report Requested: 11:25:33

First Dose M/F: 08/02/04 / 08/02/04

Lab: BNW

FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		6	6	6	6	6	
5 MG/M3	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		4	4	4	4	4	
		0	0	0	0	0	
		1	2	3	4	5	
* 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

* .. 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
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Time Report Requested: 11:25:33

First Dose M/F: 08/02/04 / 08/02/04

Lab: BNW

FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		6	6	6	6	6	
		0	0	0	0	0	
5 MG/M3	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		4	4	4	4	4	
		0	0	0	0	0	
		1	2	3	4	5	

* TOTALS

NONE

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	5
----------------	---	---	---	---	---	----------

* .. 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
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Date Report Requested: 09/13/2016

Time Report Requested: 11:25:33

First Dose M/F: 08/02/04 / 08/02/04

Lab: BNW

FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		6	6	6	6	6	
		0	0	0	0	0	
10 MG/M3	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		6	6	6	6	6	
		0	0	0	0	0	
		1	2	3	4	5	
* TOTALS							

ALIMENTARY SYSTEM

NONE

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

Lymph Node, Mediastinal							2
		+		+			

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS 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

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Test Type: 14-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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Date Report Requested: 09/13/2016

Time Report Requested: 11:25:33

First Dose M/F: 08/02/04 / 08/02/04

Lab: BNW

FISCHER 344 RATS MALE 10 MG/M3	DAY ON TEST	0	0	0	0	0		
	ANIMAL ID	0	0	0	0	0		
		0	0	0	0	0		
		1	1	1	1	1		
		6	6	6	6	6		
		0	0	0	0	0		
		0	0	0	0	0		
		6	6	6	6	6		
		0	0	0	0	0		
		1	2	3	4	5		
								* TOTALS
Brain		+	+	+	+	+	5	
RESPIRATORY SYSTEM								
Lung		+	+	+	+	+	5	
Nose		+	+	+	+	+	5	
SPECIAL SENSES SYSTEM								
NONE								
URINARY SYSTEM								
Urinary Bladder		+	+	+	+	+	5	
SYSTEMIC LESIONS								
Multiple Organ		+	+	+	+	+	5	

* .. 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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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Date Report Requested: 09/13/2016
 Time Report Requested: 11:25:33
 First Dose M/F: 08/02/04 / 08/02/04
 Lab: BNW

DAY ON TEST	0	0	0	0	0	
	FISCHER 344 RATS MALE	0	0	0	0	
20 MG/M3	0	0	0	0	1	
	5	5	5	9	3	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	8	8	8	8	8	
	0	0	0	0	0	
	1	2	4	3	5	
						* TOTALS

ALIMENTARY SYSTEM

Liver + + + + + 5

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Thyroid Gland + + + + + 5

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS 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

Experiment Number: 60311 - 01

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Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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Date Report Requested: 09/13/2016

Time Report Requested: 11:25:33

First Dose M/F: 08/02/04 / 08/02/04

Lab: BNW

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
FISCHER 344 RATS MALE	0	0	0	0	1	
20 MG/M3	5	5	5	9	3	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	8	8	8	8	8	
	0	0	0	0	0	
	1	2	4	3	5	
* TOTALS						
Brain	+	+	+	+	+	5
RESPIRATORY SYSTEM						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
SPECIAL SENSES SYSTEM						
NONE						
URINARY SYSTEM						
Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5
SYSTEMIC LESIONS						
Multiple Organ	+	+	+	+	+	5

* .. 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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cobalt
 CAS Number: 7440-48-4

Date Report Requested: 09/13/2016
 Time Report Requested: 11:25:33
 First Dose M/F: 08/02/04 / 08/02/04
 Lab: BNW

FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		0	0	0	0	0	
		5	6	6	7	7	
	40 MG/M3						
ANIMAL ID		0	0	0	0	0	
		1	1	1	1	1	
		0	0	0	0	0	
		0	0	0	0	0	
		1	3	4	2	5	* TOTALS

ALIMENTARY SYSTEM

Liver + + + + + 5

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Thyroid Gland + + + + + 5

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Testes + 1

HEMATOPOIETIC SYSTEM

Lymph Node + 1

Lymph Node, Bronchial + 1

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

* .. 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

Experiment Number: 60311 - 01

Test Type: 14-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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CAS Number: 7440-48-4

Date Report Requested: 09/13/2016

Time Report Requested: 11:25:33

First Dose M/F: 08/02/04 / 08/02/04

Lab: BNW

FISCHER 344 RATS MALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		0	0	0	0	0	
		5	6	6	7	7	
		0	0	0	0	0	
40 MG/M3	ANIMAL ID	0	0	0	0	0	
		1	1	1	1	1	
		0	0	0	0	0	
		0	0	0	0	0	
		1	3	4	2	5	

* TOTALS

NERVOUS SYSTEM

Brain	+	+	+	+	+	5
-------	---	---	---	---	---	----------

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	5
------	---	---	---	---	---	----------

Nose	+	+	+	+	+	5
------	---	---	---	---	---	----------

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

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

Urinary Bladder	+	+	+	+	+	5
-----------------	---	---	---	---	---	----------

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	5
----------------	---	---	---	---	---	----------

*** END OF MALE DATA ***

* .. 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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cobalt
 CAS Number: 7440-48-4

Date Report Requested: 09/13/2016
 Time Report Requested: 11:25:33
 First Dose M/F: 08/02/04 / 08/02/04
 Lab: BNW

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		6	6	6	6	6	
CONTROL	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		0	0	0	0	0	
		1	2	3	4	5	
							* TOTALS

ALIMENTARY SYSTEM

Liver + + + + + 5

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Thyroid Gland + + + + + 5

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS 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

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First Dose M/F: 08/02/04 / 08/02/04

Lab: BNW

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
FISCHER 344 RATS FEMALE	1	1	1	1	1	
	6	6	6	6	6	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
CONTROL	1	1	1	1	1	
	0	0	0	0	0	
	1	2	3	4	5	* TOTALS
Brain	+	+	+	+	+	5
RESPIRATORY SYSTEM						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
SPECIAL SENSES SYSTEM						
NONE						
URINARY SYSTEM						
Kidney	+	+	+	+	+	5
SYSTEMIC LESIONS						
Multiple Organ	+	+	+	+	+	5

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
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First Dose M/F: 08/02/04 / 08/02/04

Lab: BNW

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		6	6	6	6	6	
		0	0	0	0	0	
2.5 MG/M3	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		3	3	3	3	3	
		0	0	0	0	0	
		1	2	3	4	5	
* 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

* .. 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

Experiment Number: 60311 - 01

Test Type: 14-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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First Dose M/F: 08/02/04 / 08/02/04

Lab: BNW

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		6	6	6	6	6	
		0	0	0	0	0	
2.5 MG/M3	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		3	3	3	3	3	
		0	0	0	0	0	
		1	2	3	4	5	
* TOTALS							

NONE

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	5
----------------	---	---	---	---	---	----------

* .. 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

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

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cobalt
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Date Report Requested: 09/13/2016
 Time Report Requested: 11:25:33
 First Dose M/F: 08/02/04 / 08/02/04
 Lab: BNW

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		6	6	6	6	6	
	5 MG/M3						
ANIMAL ID		0	0	0	0	0	
		0	0	0	0	0	
		5	5	5	5	5	
		0	0	0	0	0	
		1	2	3	4	5	
							* TOTALS

ALIMENTARY SYSTEM

NONE

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

Lymph Node + 1

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS 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

Experiment Number: 60311 - 01

Test Type: 14-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cobalt

CAS Number: 7440-48-4

Date Report Requested: 09/13/2016

Time Report Requested: 11:25:33

First Dose M/F: 08/02/04 / 08/02/04

Lab: BNW

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		6	6	6	6	6	
		0	0	0	0	0	
5 MG/M3	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		5	5	5	5	5	
		0	0	0	0	0	
		1	2	3	4	5	
* TOTALS							

NONE

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	5
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* .. 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
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Experiment Number: 60311 - 01

Test Type: 14-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Cobalt

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First Dose M/F: 08/02/04 / 08/02/04

Lab: BNW

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		6	6	6	6	6	
		0	0	0	0	0	
10 MG/M3	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		7	7	7	7	7	
		0	0	0	0	0	
		1	2	3	4	5	
* 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

* .. 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

Experiment Number: 60311 - 01

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Species/Strain: RATS/F 344/N

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First Dose M/F: 08/02/04 / 08/02/04

Lab: BNW

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
FISCHER 344 RATS FEMALE	1	1	1	1	1	
10 MG/M3	6	6	6	6	6	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	7	7	7	7	7	
	0	0	0	0	0	
	1	2	3	4	5	
						* TOTALS
Brain	+	+	+	+	+	5
RESPIRATORY SYSTEM						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
SPECIAL SENSES SYSTEM						
NONE						
URINARY SYSTEM						
NONE						
SYSTEMIC LESIONS						
Multiple Organ	+	+	+	+	+	5

* .. 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
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Experiment Number: 60311 - 01

Test Type: 14-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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Time Report Requested: 11:25:33

First Dose M/F: 08/02/04 / 08/02/04

Lab: BNW

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		0	0	1	1	1	
		5	7	3	6	6	
		0	0	0	0	0	
20 MG/M3	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		9	9	9	9	9	
		0	0	0	0	0	
		1	4	5	2	3	
							* TOTALS

ALIMENTARY SYSTEM

Liver	+	+	+	+	+		5
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CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Thyroid Gland	+	+	+	+	+		5
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GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS 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

Experiment Number: 60311 - 01

Test Type: 14-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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Lab: BNW

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
FISCHER 344 RATS FEMALE	0	0	1	1	1	
20 MG/M3	5	7	3	6	6	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	9	9	9	9	9	
	0	0	0	0	0	
	1	4	5	2	3	
* TOTALS						
Brain	+	+	+	+	+	5
RESPIRATORY SYSTEM						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
SPECIAL SENSES SYSTEM						
NONE						
URINARY SYSTEM						
Kidney	+	+	+	+	+	5
SYSTEMIC LESIONS						
Multiple Organ	+	+	+	+	+	5

* .. 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

Experiment Number: 60311 - 01

Test Type: 14-DAY

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Species/Strain: RATS/F 344/N

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Cobalt

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Time Report Requested: 11:25:33

First Dose M/F: 08/02/04 / 08/02/04

Lab: BNW

FISCHER 344 RATS FEMALE	DAY ON TEST	0	0	0	0	0	
		0	0	0	0	0	
		0	0	0	0	0	
		5	6	6	6	7	
	40 MG/M3						
ANIMAL ID		0	0	0	0	0	
		1	1	1	1	1	
		1	1	1	1	1	
		0	0	0	0	0	
		2	1	3	4	5	
							* TOTALS

ALIMENTARY SYSTEM

Liver	+	+	+	+	+		5
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CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

Thyroid Gland	+	+	+	M	+		4
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GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

NONE

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS 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
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Experiment Number: 60311 - 01

Test Type: 14-DAY

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: RATS/F 344/N

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DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
FISCHER 344 RATS FEMALE	0	0	0	0	0	
40 MG/M3	5	6	6	6	7	
ANIMAL ID	0	0	0	0	0	
	1	1	1	1	1	
	1	1	1	1	1	
	0	0	0	0	0	
	2	1	3	4	5	
* TOTALS						
Brain	+	+	+	+	+	5
RESPIRATORY SYSTEM						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea			+		+	2
SPECIAL SENSES SYSTEM						
NONE						
URINARY SYSTEM						
Kidney	+	+	+	+	+	5
Urinary Bladder			+		+	2
SYSTEMIC LESIONS						
Multiple Organ	+	+	+	+	+	5

*** END OF REPORT ***

* .. Total animals with tissue examined microscopically; Total animals with tumor
+ .. Tissue examined microscopically
X .. Lesion present
I .. Insufficient tissue

M .. Missing tissue
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