Experiment Number: 60311 - 02
Test Type: 14-DAY
Route: RESPIRATORY EXPOSURE WHOLE BODY
Species/Strain: MICE/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

Note: Animals arranged according to days on test.

Experiment Number: 60311 - 02		P17	: NE	OPL	ASM	S BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)	Date Report Requested: 09/13/	
Test Type: 14-DAY Route: RESPIRATORY EXPOSURE WHOLE BODY Species/Strain: MICE/B6C3F1						Cobalt CAS Number: 7440-48-4	Time Report Requested: 14:38: First Dose M/F: 08/02/04 / 08/02 Lab: BNW	
DAY ON TEST	. 0 0 1 7	0 0 1 7	0 0 1 7	0	0 0 1 7			
CONTROL ANIMAL ID	0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5		* TOT/	ALS
ALIMENTARY SYSTEM					1			
Liver	+	+	+	+	+		5	
CARDIOVASCULAR SYSTEM								
ENDOCRINE SYSTEM		•				· · · · · · · · · · · · · · · · · · ·		
Thyroid Gland	+	М	+	+	М		3	
GENERAL BODY SYSTEM		-						
NONE								
GENITAL SYSTEM								
NONE		-						
HEMATOPOIETIC SYSTEM								
NONE								
INTEGUMENTARY SYSTEM								
NONE								
MUSCULOSKELETAL SYSTEM								
NONE								
NERVOUS SYSTEM								
* Total animals with tissue examined mid	icrosco	picall	y; To	tal ani	mals	with tumor M Missing t	issue	

+ .. Tissue examined microscopically X .. Lesion present

Experiment Number: 60311 - 0. Test Type: 14-DAY Route: RESPIRATORY EXPOSUR Species/Strain: MICE/B6C3F1			P17:	NE	OPL/	ASM	S BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Cobalt CAS Number: 7440-48-4	Date Report Request Time Report Reques First Dose M/F: 08/02 Lab: BNW	ted: 14:38:57
B6C3F1 MICE MALE	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7			
CONTROL	ANIMAL ID	0 0 0 0 1	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5			* TOTALS
NONE		•							
RESPIRATORY SYSTE	М					-			
Lung		+	+	+	+	+			5
Nose		+	+	+	+	+			5
SPECIAL SENSES SYS	STEM								
NONE									
URINARY SYSTEM									
Kidney		+	+	+	+	+			5
SYSTEMIC LESIONS									
Multiple Organ		+	+	+	+	+			5

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)	Date Report Requested: 09/13/2016
Cobalt	Time Report Requested: 14:38:57
CAS Number: 7440-48-4	First Dose M/F: 08/02/04 / 08/02/04
	Lab: BNW
	Cobalt

B6C3F1 MICE MALE	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	
2.5 MG/M3	ANIMAL ID	0 0 2 0 1	0 0 2 0 2	0 0 2 0 3	0 0 2 0 4	0 0 2 0 5	* TOTALS

NONE

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

Spleen

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

 * .. Total animals with tissue examined microscopically; Total animals with tumor

+

+ $\hfill .$ Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

1

Experiment Number: 60311 - 02 Test Type: 14-DAY Route: RESPIRATORY EXPOSURE WHOLE BODY Species/Strain: MICE/B6C3F1				NE(OPL/	ASM	BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) 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			
B6C3F1 MICE MALE	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7					
2.5 MG/M3	ANIMAL ID	0 0 2 0 1	0 0 2 0 2	0 0 2 0 3	0 0 2 0 4	0 0 2 0 5			* TOTALS		
NONE											
RESPIRATORY SYSTE	M					-					
Lung		+	+	+	+	+			5		
Nose		+	+	+	+	+			5		
SPECIAL SENSES SYS	STEM										
URINARY SYSTEM		-		-							
NONE											
SYSTEMIC LESIONS											
Multiple Organ		+	+	+	+	+			5		

^{+ ..} Tissue examined microscopically X .. Lesion present

I .. Insufficient tissue

Experiment Number: 60311 - 02	P17: I
Test Type: 14-DAY	
Route: RESPIRATORY EXPOSURE WHOLE BODY	
Species/Strain: MICE/B6C3F1	

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

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

B6C3F1 MICE MALE	DAY ON TEST			0 0 1 7	0 0 1 7	0 0 1 7	
5 MG/M3	ANIMAL ID	0 4 0	0 4	0 0 4 0 3	0 0 4 0 4	0 0 4 0 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

+ $\hfill .$ Tissue examined microscopically

X .. Lesion present

Experiment Number: 60311 - 02 Test Type: 14-DAY Route: RESPIRATORY EXPOSUR Species/Strain: MICE/B6C3F1		P17:	: NE(OPL	ASM	BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) 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			
B6C3F1 MICE MALE	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7				
5 MG/M3	ANIMAL ID	0 0 4 0 1	0 0 4 0 2	0 0 4 0 3	0 0 4 0 4	0 0 4 0 5			* TOTALS	
NONE			1	I						
RESPIRATORY SYSTE	М					_				
Lung		+	+	+	+	+			5	
Nose		+	+	+	+	+			5	
SPECIAL SENSES SYS	TEM									
URINARY SYSTEM				-	-					
NONE										
SYSTEMIC LESIONS										
Multiple Organ		+	+	+	+	+			5	

+ .. Tissue examined microscopically X .. Lesion present

Experiment Number: 60311 - 02	P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)	Date Report Requested: 09/13/2016
Test Type: 14-DAY	Cobalt	Time Report Requested: 14:38:57
Route: RESPIRATORY EXPOSURE WHOLE BODY	CAS Number: 7440-48-4	First Dose M/F: 08/02/04 / 08/02/04
Species/Strain: MICE/B6C3F1		Lab: BNW
Test Type: 14-DAY Route: RESPIRATORY EXPOSURE WHOLE BODY	Cobalt	First Dose M/F: 08/02/04 / 08/02/04

B6C3F1 MICE MALE	DAY ON TEST	0 0 1	0 0 1	0 0 1	0 0 1	0 0 1	
BOCSFI MICE MALE		7	7	7	7	7	
10 MG/M3		0	0	0	0	0	-
		ŏ	ŏ	ŏ	ŏ	ŏ	
	ANIMAL ID	6	6	6	6	6	
		0	0	0	0	0	
		1	2	3	4	5	

NONE

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

NONE

HEMATOPOIETIC SYSTEM

Spleen

INTEGUMENTARY SYSTEM

NONE

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

 * .. Total animals with tissue examined microscopically; Total animals with tumor

+

+ $\hfill ...$ Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

1

Experiment Number: 60311 - 0 Test Type: 14-DAY Route: RESPIRATORY EXPOSUR Species/Strain: MICE/B6C3F1		P17	: NE	OPL/	ASM	BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) 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		
B6C3F1 MICE MALE	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7			
10 MG/M3	ANIMAL ID	0 0 6 0 1	0 0 6 0 2	0 0 6 0 3	0 0 6 0 4	0 0 6 0 5			* TOTALS
NONE				<u> </u>				·····	101420
RESPIRATORY SYSTE	Μ								
Lung		+	+	+	+	+			5
Nose		+	+	+	+	+			5
SPECIAL SENSES SYS	STEM								
URINARY SYSTEM			-						
NONE									
SYSTEMIC LESIONS									
Multiple Organ		+	+	+	+	+			5

^{+ ..} Tissue examined microscopically X .. Lesion present

I .. Insufficient tissue

Experiment Number: 60311 - 02	P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)	Date Report Requested: 09/13/2016
Test Type: 14-DAY	Cobalt	Time Report Requested: 14:38:57
Route: RESPIRATORY EXPOSURE WHOLE BODY	CAS Number: 7440-48-4	First Dose M/F: 08/02/04 / 08/02/04
Species/Strain: MICE/B6C3F1		Lab: BNW

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

Experiment Number: 60311 - 02 Test Type: 14-DAY Route: RESPIRATORY EXPOSURE WHOLE BODY				NE(OPL/	ASM	BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) 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		
Species/Strain: MICE/B6C3F1			Lab: BNW							
B6C3F1 MICE MALE	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7				
20 MG/M3	ANIMAL ID	0 0 8 0	0 0 8 0 2	0 0 8 0	0 0 8 0 4	0 0 8 0				
NONE			2	3	4	5			* TOTALS	
RESPIRATORY SYSTE	M									
Lung		+	+	+	+	+			5	
Nose		+	+	+	+	+			5	
SPECIAL SENSES SYS	STEM									
NONE										
URINARY SYSTEM										
NONE						-				
SYSTEMIC LESIONS										
Multiple Organ		+	+	+	+	+			5	

Experiment Number: 60311 - 02		P17	: NE		Requested: 09/13/2016				
Test Type: 14-DAY Route: RESPIRATORY EXPOSURE WHOLE BODY Species/Strain: MICE/B6C3F1						Cobalt CAS Number: 7440-48-4	Time Report Requested: 14:38:57 First Dose M/F: 08/02/04 / 08/02/04 Lab: BNW		
DAY ON TES	т 0	0	0	0	0				
B6C3F1 MICE MALE	0 5	0	0 8	1 7	1 7				
40 MG/M3 ANIMAL I	D 0 1 0 1	1	0 1 0 0 5	0 1 0 0 2	0 1 0 0 4			* 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 r + Tissue examined microscopically X Lesion present	nicrosco	picall	y; Tot	tal ani	imals	A Autolysis	issue precludes evaluation nined microscopically		

Experiment Number: 60311 - 0 Test Type: 14-DAY Route: RESPIRATORY EXPOSUR Species/Strain: MICE/B6C3F1		P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Date Report Reque Cobalt Time Report Reque CAS Number: 7440-48-4 First Dose M/F: 08/ Lab: BNW											
B6C3F1 MICE MALE	DAY ON TEST	0 0 0 5	0 0 0 5	0 0 0 8	0 0 1 7	0 0 1 7							
40 MG/M3	ANIMAL ID	0 1 0 0 1	0 1 0 0 3	0 1 0 0 5	0 1 0 0 2	0 1 0 0 4			* TOTALS				
NONE			1						TOTALO				
RESPIRATORY SYSTE	M			-									
Lung		+	+	+	+	+			5				
Nose		+	+	+	+	+			5				
SPECIAL SENSES SYS	STEM												
URINARY SYSTEM													
Kidney		+	+	+	+	+			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

Experiment Number: 60311 - 02		P17	NE	OPL	ASM		Date Report Requested: 09/13/2016		
Test Type: 14-DAY Route: RESPIRATORY EXPOSURE WHOLE BODY Species/Strain: MICE/B6C3F1						Cobalt CAS Number: 7440-48-4	Time Report Requested: 14:38:57 First Dose M/F: 08/02/04 / 08/02/04 Lab: BNW		
DAY ON TEST B6C3F1 MICE FEMALE	Г 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7				
CONTROL ANIMAL ID	0	0 0 1 0 2	7 0 0 1 0 3	0 0 1 0 4	0 0 1 0 5		* TOTALS		
ALIMENTARY SYSTEM		1	1		1				
Liver	+	+	+	+	+		5		
CARDIOVASCULAR SYSTEM			·		-				
ENDOCRINE SYSTEM			-	-	-		·····		
Thyroid Gland	+	+	+	+	+		5		
GENERAL BODY SYSTEM									
GENITAL SYSTEM					-				
NONE									
HEMATOPOIETIC SYSTEM		-							
NONE									
INTEGUMENTARY SYSTEM									
NONE									
MUSCULOSKELETAL SYSTEM									
NONE									
NERVOUS SYSTEM									
* Total animals with tissue examined m + Tissue examined microscopically X Lesion present	nicroscoj	pically	/; Tot	al ani	mals	A Autolysis	issue precludes evaluation nined microscopically		

4	۲	 Tissue	examined	microscopically	

X .. Lesion present

Experiment Number: 60311 - 02				NE	OPL/	ASM	S BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)	Date Report Requested: 09/13/2016		
Test Type: 14-DAY Route: RESPIRATORY EXPOSURE Species/Strain: MICE/B6C3F1						Cobalt CAS Number: 7440-48-4	Time Report Requested: 14:38:57 First Dose M/F: 08/02/04 / 08/02/04 Lab: BNW			
B6C3F1 MICE FEMALE	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7				
CONTROL	ANIMAL ID	0 0 1 0 1	0 0 1 0 2	0 0 1 0 3	0 0 1 0 4	0 0 1 0 5			* TOTALS	
NONE										
RESPIRATORY SYSTEM	Λ									
Lung		+	+	+	+	+			5	
Nose		+	+	+	+	+			5	
SPECIAL SENSES SYST	ΓEM									
NONE										
URINARY SYSTEM										
Kidney		+	+	+	+	+			5	
SYSTEMIC LESIONS										
Multiple Organ		+	+	+	+	+			5	

+ .. Tissue examined microscopically X .. Lesion present

Experiment Number: 60311 - 02	P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)	Date Report Requested: 09/13/2016
Test Type: 14-DAY	Cobalt	Time Report Requested: 14:38:57
Route: RESPIRATORY EXPOSURE WHOLE BODY	CAS Number: 7440-48-4	First Dose M/F: 08/02/04 / 08/02/04
Species/Strain: MICE/B6C3F1		Lab: BNW

B6C3F1 MICE FEMALE	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	
2.5 MG/M3	ANIMAL ID	0 0 3 0 1	0 0 3 0 2	0 0 3 0 3	0 0 3 0 4	0 0 3 0 5	* TOTALS

NONE

CARDIOVASCULAR SYSTEM

NONE

ENDOCRINE SYSTEM

NONE

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Ovary

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

1

Experiment Number: 60311 - 02 Test Type: 14-DAY		P17	: NE	OPL/	ASM	S BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Cobalt	Date Report Requested: 09/13/2016 Time Report Requested: 14:38:57		
Route: RESPIRATORY EXPOSURE Species/Strain: MICE/B6C3F1						First Dose M/F: 08/0 Lab: BNW	First Dose M/F: 08/02/04 / 08/02/04 Lab: BNW		
B6C3F1 MICE FEMALE	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7			
2.5 MG/M3	ANIMAL ID	0 0 3 0 1	0 0 3 0 2	0 0 3 0 3	0 0 3 0 4	0 0 3 0 5			* TOTALS
NONE			1						
RESPIRATORY SYSTEM	M								
Lung		+	+	+	+	+			5
Nose		+	+	+	+	+			5
SPECIAL SENSES SYS	TEM								
NONE									
URINARY SYSTEM									
NONE									
SYSTEMIC LESIONS									
Multiple Organ		+	+	+	+	+			5

Experiment Number: 60311 - 02	P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)	Date Report Requested: 09/13/2016
Test Type: 14-DAY	Cobalt	Time Report Requested: 14:38:57
Route: RESPIRATORY EXPOSURE WHOLE BODY	CAS Number: 7440-48-4	First Dose M/F: 08/02/04 / 08/02/04
Species/Strain: MICE/B6C3F1		Lab: BNW

B6C3F1 MICE FEMALE	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	
5 MG/M3	ANIMAL ID	0 0 5 0 1	0 0 5 0 2	0 0 5 0 3	0 0 5 0 4	0 0 5 0 5	* TOTALS

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

Experiment Number: 60311 - 02 Test Type: 14-DAY				: NE(OPL/	ASM	S BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) Cobalt	Date Report Requested: 09/13/2016 Time Report Requested: 14:38:57		
Route: RESPIRATORY EXPOSURE Species/Strain: MICE/B6C3F1						CAS Number: 7440-48-4	First Dose M/F: 08/02/04 / 08/02/04 Lab: BNW			
B6C3F1 MICE FEMALE	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7				
5 MG/M3	ANIMAL ID	0 0 5 0 1	0 0 5 0 2	0 0 5 0 3	0 0 5 0 4	0 0 5 0 5			* TOTALS	
NONE						I		· · · · · · · · · · · · · · · · · · ·		
RESPIRATORY SYSTEM	M		-	-	-	-				
Lung		+	+	+	+	+			5	
Nose		+	+	+	+	+			5	
SPECIAL SENSES SYS	TEM									
NONE						_				
URINARY SYSTEM										
NONE										
SYSTEMIC LESIONS										
Multiple Organ		+	+	+	+	+			5	

Experiment Number: 60311 - 02	P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)	Date Report Requested: 09/13/2016
Test Type: 14-DAY	Cobalt	Time Report Requested: 14:38:57
Route: RESPIRATORY EXPOSURE WHOLE BODY	CAS Number: 7440-48-4	First Dose M/F: 08/02/04 / 08/02/04
Species/Strain: MICE/B6C3F1		Lab: BNW
Route: RESPIRATORY EXPOSURE WHOLE BODY		First Dose M/F: 08/02/04 / 08/02/04

B6C3F1 MICE FEMALE	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	
10 MG/M3	ANIMAL ID	0 0 7 0 1	0 0 7 0 2	0 0 7 0 3	0 0 7 0 4	0 0 7 0 5	* TOTALS

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

Experiment Number: 60311 - 02 Test Type: 14-DAY Route: RESPIRATORY EXPOSURE Species/Strain: MICE/B6C3F1		P17	: NE(OPL	ASM	BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) 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		
B6C3F1 MICE FEMALE	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7			
10 MG/M3	ANIMAL ID	0 0 7 0 1	0 0 7 0 2	0 0 7 0 3	0 0 7 0 4	0 0 7 0 5			* TOTALS
NONE		1							
RESPIRATORY SYSTEM	И								
Lung		+	+	+	+	+			5
Nose		+	+	+	+	+			5
SPECIAL SENSES SYS	TEM								
URINARY SYSTEM					-	-			
NONE									
SYSTEMIC LESIONS									
Multiple Organ		+	+	+	+	+			5

Experiment Number: 60311 - 02	P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)	Date Report Requested: 09/13/2016
Test Type: 14-DAY	Cobalt	Time Report Requested: 14:38:57
Route: RESPIRATORY EXPOSURE WHOLE BODY	CAS Number: 7440-48-4	First Dose M/F: 08/02/04 / 08/02/04
Species/Strain: MICE/B6C3F1		Lab: BNW

B6C3F1 MICE FEMALE	DAY ON TEST	0 0 1	0 0 1	0 0 1	0 0 1	001	
20 MG/M3	ANIMAL ID	7 0 9 0 1	7 0 9 0 2	7 0 9 0 3	7 0 9 0 4	7 0 9 0 5	* TOTALS
			-			Ŭ	IUTALS

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 - 02 Test Type: 14-DAY Route: RESPIRATORY EXPOSURE Species/Strain: MICE/B6C3F1		P17:	: NE(OPL/	SMS BY	Y INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) 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		
B6C3F1 MICE FEMALE	DAY ON TEST	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7	0 0 1 7			
20 MG/M3	ANIMAL ID	0 0 9 0 1	0 0 9 0 2	0 0 9 0 3	0 0 9 0 4	0 0 9 0 5			* TOTALS
NONE		1				ł			
RESPIRATORY SYSTEM	И								
Lung		+	+	+	+	+			5
Nose		+	+	+	+	+			5
SPECIAL SENSES SYS	TEM								
URINARY SYSTEM			-	-	-				
NONE									
SYSTEMIC LESIONS									
Multiple Organ		+	+	+	+	+			5

Experiment Number: 60311 - 02		P17	: NE	OPL	ASM	BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)	Date Report Requested: 09/13/2016
Test Type: 14-DAY Route: RESPIRATORY EXPOSURE WHOLE BODY Species/Strain: MICE/B6C3F1						Cobalt CAS Number: 7440-48-4	Time Report Requested: 14:38:57 First Dose M/F: 08/02/04 / 08/02/04 Lab: BNW
DAY ON TEST B6C3F1 MICE FEMALE	Г 0 0 0 6	0 0 0 7	0 0 0 9	0 0 1 7	0 0 1 7		
40 MG/M3 ANIMAL IE	0	0 1 1 0 5	0 1 1 0 4	0 1 1 0 2	0 1 1 0 3		* TOTALS
ALIMENTARY SYSTEM							
Liver	+	+	+	+	+		5
CARDIOVASCULAR SYSTEM					-		
NONE							
ENDOCRINE SYSTEM							
Thyroid Gland	+	+	+	+	+		5
GENERAL BODY SYSTEM							
NONE							
GENITAL SYSTEM							
NONE		·	÷		-		
HEMATOPOIETIC SYSTEM							
Spleen				+			1
INTEGUMENTARY SYSTEM							
NONE							
MUSCULOSKELETAL SYSTEM							
NONE							
NERVOUS SYSTEM	_						
* Total animals with tissue examined m	nicrosco	picall	y; Tot	tal ani	mals	ith tumor M Missing	tissue

Page 24

*	l otal animal	is with tissue	examined	microscopicall	y;	l otal	animals	3 1
---	---------------	----------------	----------	----------------	----	--------	---------	-----

+ .. Tissue examined microscopically

X .. Lesion present

I .. Insufficient tissue

A .. Autolysis precludes evaluation

Experiment Number: 60311 - 02 Test Type: 14-DAY Route: RESPIRATORY EXPOSURE WHOLE BODY Species/Strain: MICE/B6C3F1				: NE(OPL	SMS BY	7 INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED) 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		
B6C3F1 MICE FEMALE	DAY ON TEST	0 0 0 6	0 0 0 7	0 0 0 9	0 0 1 7	0 0 1 7				
40 MG/M3	ANIMAL ID	0 1 1 0 1	0 1 1 0 5	0 1 1 0 4	0 1 1 0 2	0 1 1 0 3			* TOTALS	
NONE						I			101/120	
RESPIRATORY SYSTEM	M									
Lung		+	+	+	+	+			5	
Nose		+	+	+	+	+			5	
SPECIAL SENSES SYS	TEM									
NONE										
URINARY SYSTEM										
Kidney		+	+	+	+	+			5	
SYSTEMIC LESIONS										
Multiple Organ		+	+	+	+	+			5	

*** END OF REPORT ***

 * .. Total animals with tissue examined microscopically; Total animals with tumor

+ .. Tissue examined microscopically

X .. Lesion present