

**Experiment Number:** 20515 - 04  
**Test Type:** CHRONIC  
**Route:** RESPIRATORY EXPOSURE WHOLE BODY  
**Species/Strain:** MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**  
Metal working fluids (CIMSTAR 3800)  
**CAS Number:** CIMSTAR3800

**Date Report Requested:** 03/08/2013  
**Time Report Requested:** 14:13:47  
**First Dose M/F:** 05/05/08 / 05/05/08  
**Lab:** BNW

F1\_M3

**NTP Study Number:** C20515  
**Lock Date:** 01/12/2011  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 3.0.1.1\_001  
**PWG Approval Date:** NONE





















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B6C3F1 MICE MALE Control	DAY ON TEST		ANIMAL ID																				* TOTALS				
	0730	0730	0735	0739	0752	0771	0774	0779	0784	0792	0793	0793	0793	0793	0793	0793	0793	0793	0793	0793	0793	0793		0793	0793		
Renal, Lymphoma Malignant																										X	2
Lymph Node, Bronchial Lymphoma Malignant	M	M	+	+	+	M	+	+	M	M	+	M	+	M	M	M	+	M	+	+	+	+	M	+	+	X	26 1
Lymph Node, Mandibular	+	M	M	M	+	+	+	+	+	M	+	+	+	+	M	+	M	M	M	M	+	M	+	M	M		31
Lymph Node, Mediastinal Alveolar/Bronchiolar Carcinoma, Metastatic, Lung	M	+	+	+	+	+	M	+	+	M	+	M	+	+	+	+	+	+	+	M	+	+	+	+	+	M	39 1
Carcinoma, Metastatic, Stomach, Glandular Lymphoma Malignant				X																						X	1 2
Lymph Node, Mesenteric Carcinoma, Metastatic, Stomach, Glandular Histiocytic Sarcoma Lymphoma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	49 1 1 3
Spleen Lymphoma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 2
Thymus Carcinoma, Metastatic, Stomach, Glandular Lymphoma Malignant	+	+	+	+	+	+	+	M	+	+	M	+	+	+	M	+	+	+	+	M	M	+	M	+	+		41 1 2

**INTEGUMENTARY SYSTEM**

Mammary Gland	M	M	M	M	M	M	M	+	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	1
Skin Carcinoma, Metastatic, Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1

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<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0713	0729	0731	0647	0779	0771	0773	0662	0770	0776	0777	0773	0773	0722	0722	0599	0722	0673	0723	0729	0771	0773	0593	0773	0739	0733	0400	0743	0749
	ANIMAL ID	0020	0022	0023	0004	0005	0006	0007	0008	0009	0000	0001	0002	0003	0004	0005	0006	0007	0008	0009	0000	0001	0002	0003	0004	0005	0006	0007	0008	0009

males (cont...)

Nose + + + + + + + + + + + + + + + + + + + + + + + +

Trachea + + + + + + + + + + + + + + + + + + + + + + + +

**SPECIAL SENSES SYSTEM**

Eye + + + + + + + + + + + + + + + + + + + + + + + +

Harderian Gland Adenoma Carcinoma + + + + + + + + X + + + + + X + + + + X

**URINARY SYSTEM**

Kidney Lymphoma Malignant + + + + + + + + + + + + + + + + + + + + + + + +

Urinary Bladder + + + + + + + + + + + + + + + + + + + + + + + +

**SYSTEMIC LESIONS**

Multiple Organ Lymphoma Malignant + + + + + + + + X + + + + + + + + + + + +

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B6C3F1 MICE MALE 10 mg/m3	DAY ON TEST	0729	0688	0709	0703	0556	0757	0571	0730	0535	0733	0731	0592	0729	0733	0733	0544	0733	0622	0733	0673	0733	0578	0759	* TOTALS
	ANIMAL ID	002226	002227	002228	002229	002230	002231	002232	002233	002234	002235	002236	002237	002238	002239	002240	002241	002242	002243	002244	002245	002246	002247	002248	

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Gallbladder	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	44
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Large, Colon Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Intestine Small, Duodenum	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Intestine Small, Ileum Lymphoma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1
Intestine Small, Jejunum Adenoma Carcinoma	+	+	+	+	A	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48 1 1
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hemangiosarcoma, Multiple																									1
Hepatoblastoma																									1
Hepatocellular Adenoma				X							X	X		X	X	X	X						X		18
Hepatocellular Adenoma, Multiple			X		X														X			X	X		6
Hepatocellular Carcinoma				X	X																				15
Hepatocellular Carcinoma, Multiple					X				X																2
Lymphoma Malignant		X																							1

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	0729	0628	0709	0703	0556	0771	0571	0753	0573	0753	0753	0753	0753	0753	0753	0753	0753	0753	0753	0753	0753	0753	0753	0753		
ANIMAL ID	002226	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	000022	
Mesentery Lymphoma Malignant		+																							51	
Pancreas Lymphoma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	501	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Tooth	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47	
<b>CARDIOVASCULAR SYSTEM</b>																										
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Heart Pericardium, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	501	
<b>ENDOCRINE SYSTEM</b>																										
Adrenal Cortex Subcapsular, Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	504	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Islets, Pancreatic Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	502	

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 Lab: BNW

B6C3F1 MICE MALE 10 mg/m3	DAY ON TEST																								* TOTALS		
	0729	0628	0709	0703	0556	0771	0571	0773	0573	0763	0573	0779	0579	0779	0579	0779	0579	0779	0579	0779	0579	0779	0579				
	ANIMAL ID																										
	002226	000222	000222	000222	000331	000332	000333	000333	000333	000334	000335	000336	000337	000338	000339	000440	000441	000442	000443	000444	000445	000446	000447	000448			
Parathyroid Gland	M	+	M	M	+	M	M	M	M	M	+	M	+	+	M	+	M	+	+	M	+	+	M	+	+	28	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
<b>GENERAL BODY SYSTEM</b>																											
Tissue NOS																										2	
Mediastinum, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung																										X	1
Mediastinum, Hepatocellular Carcinoma, Metastatic, Liver																											1
<b>GENITAL SYSTEM</b>																											
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	49
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Seminal Vesicle Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Interstitial Cell, Adenoma																										X	1
<b>HEMATOPOIETIC SYSTEM</b>																											
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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B6C3F1 MICE MALE 10 mg/m3	DAY ON TEST																								* TOTALS		
	0729	0628	0709	0703	0556	0771	0571	0753	0573	0753	0753	0753	0753	0753	0753	0753	0753	0753	0753	0753	0753	0753	0753	0753			
ANIMAL ID	002226	002227	002228	002229	002230	002231	002232	002233	002234	002235	002236	002237	002238	002239	002240	002241	002242	002243	002244	002245	002246	002247	002248	002249	002250		
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
<b>MUSCULOSKELETAL SYSTEM</b>																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Maxilla, Carcinoma, Metastatic, Harderian Gland																										1	
Skeletal Muscle															+									+		3	
<b>NERVOUS SYSTEM</b>																											
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Peripheral Nerve															+											2	
Spinal Cord															+									+		3	
<b>RESPIRATORY SYSTEM</b>																											
Larynx	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Alveolar/Bronchiolar Adenoma																										2	
Alveolar/Bronchiolar Carcinoma			X														X									7	
Alveolar/Bronchiolar Carcinoma, Multiple																										1	
Hepatocellular Carcinoma, Metastatic, Liver					X	X	X	X																		9	
Lymphoma Malignant		X												X												2	

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	ANIMAL ID	00226	00227	00228	00229	00230	00231	00232	00233	00234	00235	00236	00237	00238	00239	00240	00241	00242	00243	00244	00245	00246	00247	00248	00249		
Nose		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Trachea		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
<b>SPECIAL SENSES SYSTEM</b>																											
Eye		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Harderian Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Adenoma																										3	
Carcinoma				X					X										X			X				5	
<b>URINARY SYSTEM</b>																											
Kidney		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lymphoma Malignant																										1	
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
<b>SYSTEMIC LESIONS</b>																											
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lymphoma Malignant			X												X			X								5	

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B6C3F1 MICE MALE 100 mg/m3	DAY ON TEST	0729	0687	0772	0773	0772	0672	0772	0773	0772	0773	0772	0773	0772	0773	0772	0773	0772	0773	0772	0773	0772	0773	ANIMAL ID	males (cont...)		
	0060	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066	0066				
Salivary Glands		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Stomach, Forestomach		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Stomach, Glandular		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Tooth		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
<b>CARDIOVASCULAR SYSTEM</b>																											
Blood Vessel		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Heart		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
<b>ENDOCRINE SYSTEM</b>																											
Adrenal Cortex		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Adenoma							X												X	X							
Subcapsular, Adenoma										X		X						X				X					
Adrenal Medulla		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Islets, Pancreatic		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Adenoma																											
Parathyroid Gland		+	M	M	+	+	+	M	+	M	+	M	M	+	M	+	+	M	M	M	+	M	+	M	M		
Pituitary Gland		+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			

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 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013  
 Time Report Requested: 14:13:47  
 First Dose M/F: 05/05/08 / 05/05/08  
 Lab: BNW

<b>B6C3F1 MICE MALE</b>	DAY ON TEST	0730	0706	0572	0662	0734	0774	0771	0661	0770	0771	0771	0773	0773	0723	0723	0722	0722	0723	0720	0729	0759	0773	0773	<b>* TOTALS</b>
	ANIMAL ID	00626	00662	00662	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	00666	

**GENERAL BODY SYSTEM**

Tissue NOS	1
Mediastinum, Alveolar/Bronchiolar Carcinoma, Metastatic, Lung	1

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Penis																										1
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Mast Cell Tumor Malignant, Metastatic, Skin																										1
Lymph Node																										1
Lymph Node, Bronchial	M	M	+	M	+	+	M	M	+	M	M	M	+	M	+	M	+	+	M	M	+	M	M	M	M	18
Lymph Node, Mandibular	M	+	M	+	M	+	+	M	M	M	+	+	+	M	M	+	+	+	+	+	+	+	+	M	+	33

\* .. 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: 20515 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Metal working fluids (CIMSTAR 3800)  
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013  
 Time Report Requested: 14:13:47  
 First Dose M/F: 05/05/08 / 05/05/08  
 Lab: BNW

B6C3F1 MICE FEMALE	DAY ON TEST																									females (cont...)
	0732	0731	0733	0733	0732	0772	0763	0767	0772	0773	0765	0754	0773	0765	0776	0763	0771	0777	0773	0773	0773	0752	0773			
Control	0010	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011			

**ALIMENTARY SYSTEM**

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	+
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Intestine Small, Duodenum Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	A	+	+	+	+	+
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+
Intestine Small, Jejunum Lymphoma Malignant	+	+	+	+	+	+	+	+	+	+	+	X	+	+	+	+	+	A	+	+	+	+	+
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hepatoblastoma																							
Hepatocellular Adenoma													X	X				X					X
Hepatocellular Adenoma, Multiple					X									X				X	X				
Hepatocellular Carcinoma				X									X				X		X				X
Histiocytic Sarcoma				X			X																
Lymphoma Malignant			X									X	X								X	X	
Mesentery							+									+	+						
Lymphoma Malignant																					X	X	X

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 + .. Tissue examined microscopically  
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 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically





Experiment Number: 20515 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Metal working fluids (CIMSTAR 3800)  
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013  
 Time Report Requested: 14:13:47  
 First Dose M/F: 05/05/08 / 05/05/08  
 Lab: BNW

B6C3F1 MICE FEMALE Control	DAY ON TEST	0732	0733	0733	0733	0732	0763	0767	0772	0773	0776	0776	0775	0773	0773	0776	0777	0777	0777	0777	0777	0775	0777	ANIMAL ID	females (cont...)		
	ANIMAL ID	0010	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001	0001				
Lymph Node		+	+											+	+					+	+						
Deep Cervical, Lymphoma Malignant		X																									
Lumbar, Lymphoma Malignant				X										X									X				
Pancreatic, Lymphoma Malignant		X																					X				
Renal, Lymphoma Malignant		X		X																			X				
Lymph Node, Bronchial Lymphoma Malignant		M	+	+	+	M	M	M	M	+	M	M	+	+	+	M	+	+	+	+	M	+	M	+	M		
Lymph Node, Mandibular Histiocytic Sarcoma		+	+	+	+	+	+	+	M	+	M	+	+	+	M	M	+	+	+	+	+	+	+	+			
Lymphoma Malignant		X		X				X															X	X			
Lymph Node, Mediastinal Lymphoma Malignant		+	M	+	+	+	+	+	+	+	M	+	+	M	M	+	+	M	+	M	+	+	+	+			
Lymphoma Malignant		X		X																		X	X	X			
Lymph Node, Mesenteric Histiocytic Sarcoma		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Lymphoma Malignant		X		X	X			X															X				
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Hemangiosarcoma																											
Histiocytic Sarcoma								X																			
Lymphoma Malignant		X		X	X							X	X									X	X	X			
Thymus		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Lymphoma Malignant		X		X	X			M	+	+	+	+	+	+	M	+	+	+	M	+	M	+	+	+			

**INTEGUMENTARY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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M .. Missing tissue  
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 BLANK .. Not examined microscopically



Experiment Number: 20515 - 04

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Metal working fluids (CIMSTAR 3800)

CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013

Time Report Requested: 14:13:47

First Dose M/F: 05/05/08 / 05/05/08

Lab: BNW

B6C3F1 MICE FEMALE	DAY ON TEST																									females (cont...)
	0732	0731	0733	0733	0732	0732	0733	0737	0732	0735	0733	0735	0735	0739	0733	0732	0733	0731	0734	0732	0733	0733	0737	0732		
Control	ANIMAL ID																									
	0010	0011	0010	0010	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	0011	
Histiocytic Sarcoma								X																		
Lymphoma Malignant				X							X	X										X	X			
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<b>SPECIAL SENSES SYSTEM</b>																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Harderian Gland Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
<b>URINARY SYSTEM</b>																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma								X																		
Lymphoma Malignant	X												X													
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymphoma Malignant			X																							
<b>SYSTEMIC LESIONS</b>																										
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma				X			X																			
Lymphoma Malignant	X		X	X							X	X									X	X	X			

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Experiment Number: 20515 - 04

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Metal working fluids (CIMSTAR 3800)

CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013

Time Report Requested: 14:13:47

First Dose M/F: 05/05/08 / 05/05/08

Lab: BNW

B6C3F1 MICE FEMALE	DAY ON TEST																								* TOTALS
	0731	0686	0733	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773		
Control	ANIMAL ID																								* TOTALS
	00126	00127	00128	00129	00130	00131	00132	00133	00134	00135	00136	00137	00138	00139	00140	00141	00142	00143	00144	00145	00146	00147	00148	00149	
Lymph Node				+				+					+												11
Deep Cervical, Lymphoma Malignant																									1
Lumbar, Lymphoma Malignant																X							X		5
Pancreatic, Lymphoma Malignant							X																		3
Renal, Lymphoma Malignant																							X		4
Lymph Node, Bronchial	+	+	M	+	M	+	+	M	+	+	+	M	M	M	M	M	+	M	M	+	M	M	+	+	26
Lymphoma Malignant				X							X														5
Lymph Node, Mandibular	+	+	+	+	M	+	+	M	M	M	+	+	+	+	+	+	+	M	+	+	+	+	+	+	41
Histiocytic Sarcoma																									1
Lymphoma Malignant					X										X				X	X					8
Lymph Node, Mediastinal	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	43
Lymphoma Malignant				X			X			X		X			X				X	X					12
Lymph Node, Mesenteric	+	+	+	+	+	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	48
Histiocytic Sarcoma																									1
Lymphoma Malignant					X					X		X						X	X					9	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hemangiosarcoma										X															1
Histiocytic Sarcoma																									1
Lymphoma Malignant	X			X			X		X	X		X			X		X		X	X				18	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	44
Lymphoma Malignant	X			X			X		X		X								X	X					12

**INTEGUMENTARY 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: 20515 - 04

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Metal working fluids (CIMSTAR 3800)

CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013

Time Report Requested: 14:13:47

First Dose M/F: 05/05/08 / 05/05/08

Lab: BNW

B6C3F1 MICE FEMALE	DAY ON TEST																								* TOTALS		
	0731	0686	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733	0733			
Control	ANIMAL ID																								* TOTALS		
	00126	00127	00128	00129	00130	00131	00132	00133	00134	00135	00136	00137	00138	00139	00140	00141	00142	00143	00144	00145	00146	00147	00148	00149		00150	
Histiocytic Sarcoma																									1		
Lymphoma Malignant												X													7		
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Trachea	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
<b>SPECIAL SENSES SYSTEM</b>																											
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Harderian Gland Adenoma	+	+	+	+	+	+	+	+	+	+	+	X	X												50 2		
<b>URINARY SYSTEM</b>																											
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Histiocytic Sarcoma																									1		
Lymphoma Malignant								X			X						X			X				6			
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Lymphoma Malignant												X												2			
<b>SYSTEMIC LESIONS</b>																											
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Histiocytic Sarcoma																									2		
Lymphoma Malignant	X			X			X		X	X		X			X		X		X	X				18			

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
 + .. Tissue examined microscopically  
 X .. Lesion present  
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M .. Missing tissue  
 A .. Autolysis precludes evaluation  
 BLANK .. Not examined microscopically





















Experiment Number: 20515 - 04

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Metal working fluids (CIMSTAR 3800)

CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013

Time Report Requested: 14:13:47

First Dose M/F: 05/05/08 / 05/05/08

Lab: BNW

B6C3F1 MICE FEMALE 10 mg/m3	DAY ON TEST																				* TOTALS					
	0733	0758	0773	0765	0777	0757	0777	0757	0777	0757	0777	0766	0777	0777	0777	0766	0777	0757	0777	0777		0777				
ANIMAL ID	00326	00337	00338	00339	00340	00341	00342	00343	00344	00345	00346	00347	00348	00349	00350	00351	00352	00353	00354	00355	00356					
Lumbar, Lymphoma Malignant				X								X										5				
Pancreatic, Lymphoma Malignant																					X	1				
Renal, Lymphoma Malignant				X							X									X		4				
Lymph Node, Bronchial Lymphoma Malignant	M	M	+	+	M	+	+	+	M	M	+	M	+	+	+	M	+	+	M	+	M	+	+	+	M	27
				X																						2
Lymph Node, Mandibular Lymphoma Malignant	+	+	M	+	+	+	M	M	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	42
				X									X			X										5
Lymph Node, Mediastinal Lymphoma Malignant	+	+	+	+	+	M	+	+	+	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+	46
				X	X							X			X									X		13
Lymph Node, Mesenteric Lymphoma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
				X									X			X			X							8
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Hemangiosarcoma																										1
Histiocytic Sarcoma										X																1
Lymphoma Malignant				X	X	X			X			X	X			X			X					X		17
Thymus	+	+	+	+	+	+	M	+	M	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	46
Lymphoma Malignant				X				X								X							X			8
<b>INTEGUMENTARY SYSTEM</b>																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Subcutaneous Tissue, Fibrosarcoma																										1
Subcutaneous Tissue, Lymphoma Malignant				X																						1

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 X .. Lesion present  
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Experiment Number: 20515 - 04

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Metal working fluids (CIMSTAR 3800)

CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013

Time Report Requested: 14:13:47

First Dose M/F: 05/05/08 / 05/05/08

Lab: BNW

<b>B6C3F1 MICE FEMALE</b>	DAY ON TEST	0732	0573	0773	0773	0773	0476	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0673	0773	0673	0773	0773	0773	0773	0773	<b>females (cont...)</b>
	ANIMAL ID	00501	00502	00503	00504	00505	00506	00507	00508	00509	00510	00511	00512	00513	00514	00515	00516	00517	00518	00519	00520	00521	00522	00523	00524	
<b>30 mg/m3</b>																										
Polyp Stromal			X									X														

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant							X																		
Lymph Node	+	+	+		+		+		+					+					+	+				+	
Axillary, Lymphoma Malignant																				X					
Deep Cervical, Lymphoma Malignant								X																	
Iliac, Lymphoma Malignant					X		X												X						
Lumbar, Lymphoma Malignant				X						X					X					X					
Pancreatic, Lymphoma Malignant				X											X										
Renal, Lymphoma Malignant				X			X		X					X					X	X				X	
Lymph Node, Bronchial	+	+	+	+	+	+	M	+	M	M	+	M	M	M	+	+	M	M	+	+	M	M	+	+	+
Lymphoma Malignant				X		X	X				X					X				X				X	
Lymph Node, Mandibular	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+
Lymphoma Malignant				X							X										X			X	
Lymph Node, Mediastinal	+	M	+	+	M	+	+	+	+	+	M	+	+	+	M	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant				X		X	X								X	X				X	X			X	
Lymph Node, Mesenteric	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant				X		X				X					X				X	X				X	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant	X		X			X	X				X				X	X	X			X	X			X	
Thymus	+	+	+	+	+	+	M	+	+	+	+	M	+	+	+	+	M	+	+	+	+	M	+	+	+

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Experiment Number: 20515 - 04

Test Type: CHRONIC

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: MICE/B6C3F1

**P04: NEOPLASMS BY INDIVIDUAL ANIMAL**

Metal working fluids (CIMSTAR 3800)

CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013

Time Report Requested: 14:13:47

First Dose M/F: 05/05/08 / 05/05/08

Lab: BNW

B6C3F1 MICE FEMALE 30 mg/m3	DAY ON TEST																								* TOTALS		
	0733	0731	0681	0771	0772	0772	0775	0667	0664	0773	0773	0773	0773	0772	0771	0773	0770	0773	0773	0773	0593	0773	0771	0572			
ANIMAL ID	00526	00527	00528	00529	00530	00531	00532	00533	00534	00535	00536	00537	00538	00539	00540	00541	00542	00543	00544	00545	00546	00547	00548	00549	00550		
Lymphoma Malignant				X		X	X												X		X					10	
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lymphoma Malignant								X											X							3	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Tooth					+										+											2	
<b>CARDIOVASCULAR SYSTEM</b>																											
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lymphoma Malignant								X																		3	
<b>ENDOCRINE SYSTEM</b>																											
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Adenoma																			X							1	
Hepatocellular Carcinoma, Metastatic, Liver									X																	1	
Lymphoma Malignant							X	X																		3	
Subcapsular, Adenoma																						X				1	
Adrenal Medulla	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Pheochromocytoma Benign																										1	
Pheochromocytoma Malignant															X											1	

\* .. Total animals with tissue examined microscopically; Total animals with tumor  
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 X .. Lesion present  
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 BLANK .. Not examined microscopically





























Experiment Number: 20515 - 04  
 Test Type: CHRONIC  
 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
 Metal working fluids (CIMSTAR 3800)  
 CAS Number: CIMSTAR3800

Date Report Requested: 03/08/2013  
 Time Report Requested: 14:13:47  
 First Dose M/F: 05/05/08 / 05/05/08  
 Lab: BNW

B6C3F1 MICE FEMALE 100 mg/m3	DAY ON TEST																								* TOTALS		
	0732	0733	0732	0731	0733	0738	0736	0739	0733	0732	0732	0731	0732	0733	0733	0733	0733	0734	0731	0732	0739	0733	0732	0732		0738	0733
ANIMAL ID	00726	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	
Lymphoma Malignant					X	X					X	X	X		X							X		X		11	
Mesentery																											15
Lymphoma Malignant																											6
Fat, Leiomyosarcoma, Metastatic, Intestine Small, Duodenum																											1
Pancreas																											50
Leiomyosarcoma, Metastatic, Intestine Small, Duodenum																											1
Lymphoma Malignant						X								X													7
Salivary Glands	M																										49
Lymphoma Malignant						X																					1
Stomach, Forestomach																											50
Squamous Cell Papilloma																											1
Stomach, Glandular																											50
Tooth																											4
<b>CARDIOVASCULAR SYSTEM</b>																											
Blood Vessel																											44
Heart																											50
<b>ENDOCRINE SYSTEM</b>																											
Adrenal Cortex																											50

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 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

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 CAS Number: CIMSTAR3800

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 Lab: BNW

B6C3F1 MICE FEMALE 100 mg/m3	DAY ON TEST																									* TOTALS	
	0732	0733	0732	0731	0733	0738	0736	0739	0733	0732	0732	0731	0732	0733	0733	0733	0733	0734	0731	0732	0739	0733	0732	0733	0738		0731
ANIMAL ID	00726	0077	0078	0079	0070	0071	0072	0073	0074	0075	0076	0077	0078	0079	0080	0081	0082	0083	0084	0085	0086	0087	0088	0089	0090		
Lymphoma Malignant																										2	
Adrenal Medulla Lymphoma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 2	
Islets, Pancreatic Adenoma Lymphoma Malignant	+	+	+	+	+	X	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49 1 1	
Parathyroid Gland	M	+	+	M	+	+	+	+	M	M	M	M	M	M	+	+	M	+	M	M	M	+	+	M	M	25	
Pituitary Gland Meningioma Malignant, Metastatic, Brain Pars Distalis, Adenoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 9	
Thyroid Gland C-cell, Adenoma Follicular Cell, Carcinoma	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 1 3	
<b>GENERAL BODY SYSTEM</b>																											
NONE																											
<b>GENITAL SYSTEM</b>																											
Clitoral Gland	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	M	+	M	44
Ovary Lymphoma Malignant	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50 7
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

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 Route: RESPIRATORY EXPOSURE WHOLE BODY  
 Species/Strain: MICE/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL  
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 Lab: BNW

B6C3F1 MICE FEMALE 100 mg/m3	DAY ON TEST																								* TOTALS
	0732	0733	0732	0731	0663	0668	0669	0673	0677	0677	0677	0677	0677	0677	0677	0677	0677	0677	0677	0677	0677	0677	0677	0677	
ANIMAL ID	00726	00707	00708	00709	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	
Lymphoma Malignant	X																							X	2

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Lymphoma Malignant					X																				1	
Lymph Node	+		+	+	+				+					+											10	
Axillary, Lymphoma Malignant																									1	
Deep Cervical, Lymphoma Malignant							X																		2	
Iliac, Histiocytic Sarcoma			X																						1	
Lumbar, Lymphoma Malignant					X	X								X											5	
Pancreatic, Histiocytic Sarcoma			X																						1	
Pancreatic, Lymphoma Malignant						X							X												4	
Renal, Hemangiosarcoma																									1	
Renal, Histiocytic Sarcoma			X																						1	
Renal, Lymphoma Malignant	X				X	X							X												4	
Lymph Node, Bronchial	M	M	M	M	+	+	M	M	+	M	M	M	+	M	M	+	+	M	M	+	M	+	M	M	M	27
Carcinoma, Metastatic, Uncertain Primary Site																						X				1
Lymphoma Malignant					X	X															X					6
Lymph Node, Mandibular	M	+	+	M	+	+	+	M	+	+	+	+	M	+	+	M	+	M	M	+	+	M	M	+	M	35
Hemangiosarcoma																					X					1
Lymphoma Malignant					X	X						X	X			X	X						X		X	11
Lymph Node, Mediastinal	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	47
Histiocytic Sarcoma			X																							1
Lymphoma Malignant					X	X						X	X		X	X						X		X	13	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49

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	0732	0733	0732	0731	0733	0738	0739	0733	0732	0732	0731	0732	0733	0733	0733	0733	0733	0734	0731	0732	0739	0733	0732	0732		0738	0733
ANIMAL ID	00726	00707	00708	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	00700	
Histiocytic Sarcoma			X																							1	
Lymphoma Malignant					X	X					X	X	X		X									X		11	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	
Histiocytic Sarcoma			X																							1	
Lymphoma Malignant	X				X	X					X	X	X		X	X	X			X			X	X	X	20	
Thymus	+	+	+	+	+	M	M	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	45	
Lymphoma Malignant					X						X				X	X								X		8	
<b>INTEGUMENTARY SYSTEM</b>																											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Adenoma																									X	1	
Carcinoma																										1	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Rhabdomyosarcoma, Metastatic, Skeletal Muscle																										1	
Subcutaneous Tissue, Fibrosarcoma																										1	
<b>MUSCULOSKELETAL SYSTEM</b>																											
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Vertebra, Rhabdomyosarcoma, Metastatic, Skeletal Muscle																										1	
Skeletal Muscle																										4	
Leiomyosarcoma, Metastatic, Intestine Small, Duodenum																								X		1	
Rhabdomyosarcoma																										1	

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	0732	0733	0732	0731	0733	0738	0739	0733	0732	0732	0731	0732	0733	0733	0733	0733	0734	0731	0732	0739	0733	0732	0732	0738	0731	
	ANIMAL ID																									
	00726	00707	00702	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	00707	
Carcinoma				X				X																		2
<b>URINARY SYSTEM</b>																										
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant	X				X						X														X	8
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Lymphoma Malignant					X																					2
<b>SYSTEMIC LESIONS</b>																										
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Histiocytic Sarcoma			X																							1
Lymphoma Malignant	X				X	X					X	X	X		X	X	X			X			X	X	X	20

\*\*\* END OF REPORT \*\*\*

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