

Experiment Number: 92003-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: NTP 90 diet study
CAS Number: DIET90

Date Report Requested: 10/21/2014
Time Report Requested: 22:01:10
First Dose M/F: NA / NA
Lab: NIEHS

C Number:	C92003
Lock Date:	04/27/1994
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both
PWG Approval Date	NONE

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First Dose M/F: NA / NA

Lab: NIEHS

B6C3F1 Mouse Male 7M	DAY ON TEST																												
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Adrenal Medulla					M	+	+		A	+	M	+	+	+	A	+	+	A	+	A	+	+	M	M	+	+	A	+	
Islets, Pancreatic					+	+	+		A	+	+	+	+	+	+	A	+	+	A	M	A	+	+	+	M	+	+	+	+
Adenoma, Multiple															X														
Pituitary Gland	M				M	+	+		+	M	+	+	+	+	M	+	+	+	+	M	+	+	A	+	+	+	A	+	
Thyroid Gland					+	+	+		A	+	+	+	+	+	+	A	+	+	A	M	A	+	+	A	M	+	+	M	+
General Body System																													
Tissue NOS																													
Carcinoma																													
Genital System																													
Preputial Gland																													
Seminal Vesicle																													
Testes																													
Hematopoietic System																													
Lymph Node, Mandibular																													
Mast Cell Tumor Malignant, Metastatic, Uncertain Primary Site																													
Lymph Node, Mesenteric																													
Lymphoma Malignant																													
Spleen																													
Lymphoma Malignant																													
Thymus																													

* ..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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Date Report Requested: 10/21/2014

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B6C3F1 Mouse Male 7M	DAY ON TEST																															
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
ANIMAL ID	6	6	5	7	7	7	6	7	7	6	7	7	7	7	6	7	7	7	5	7	7	7	6	5	6	7	7	7				
	6	2	9	3	3	3	7	3	3	7	3	3	3	3	8	3	2	3	0	3	2	2	3	5	3	5	0	3				
	8	3	5	4	4	4	2	4	4	0	4	4	4	4	5	4	1	4	8	4	9	9	4	0	6	0	4	4				
Adrenal Medulla	M	+		+	+	+	M	+	+	M	+	+	+	M	+	M	M	+	M	+	+	A	A	M	+		+	M	+	+	+	
Islets, Pancreatic	+	+		+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+		+	M	+	+	+
Adenoma, Multiple																																
Pituitary Gland	+	M		+	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	A	+	M	M		+	A	+	M	+	
Thyroid Gland	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	M	+		+	+	+	+
General Body System																																
Tissue NOS																																
Carcinoma																																
Genital System																																
Preputial Gland																																
Seminal Vesicle	+			+	+	+	+		+		+	+		+	+	+		+	+		+		+					+	+	+	+	
Testes	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+		+	+	+	+	
Hematopoietic System																																
Lymph Node, Mandibular	M	M		+	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	A	M	+	+		M	M	+	+	+	
Mast Cell Tumor Malignant, Metastatic, Uncertain Primary Site																																X
Lymph Node, Mesenteric	+	+		+	+	+	+	+	+	M	+	+	+	+	+	M	+	+	+	+	+	A	A	M	+		+	M	+	M	+	
Lymphoma Malignant																																
Spleen	+	+		+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	M	+	A	A	+	+		+	A	+	+	+
Lymphoma Malignant																																
Thymus	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	M

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B6C3F1 Mouse Male
7M

DAY ON TEST	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	0	7	7	
	3	3	3	3	3	1	3	3	
	4	4	4	4	4	4	4	4	
ANIMAL ID	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	
	5	5	6	6	6	6	6	6	
	2	5	0	2	4	5	6	7	*TOTALS

Alimentary System

Intestine Large, Cecum										1
Intestine Small, Jejunum										1
Lymphoma Malignant										1
Liver	+	+	+	+	+		+	+		57
Hemangiosarcoma										3
Hepatoblastoma										1
Hepatocellular Adenoma										10
Hepatocellular Adenoma, Multiple										1
Hepatocellular Carcinoma			X							17
Hepatocellular Carcinoma, Multiple										1
Mesentery										1
Pancreas	+	+	+	+	+		+	+		48
Stomach, Forestomach										1
Stomach, Glandular										1

Cardiovascular System

Heart	+	+	+	+	+		+	+		57
Epicardium, Mesothelioma Malignant										1

Endocrine System

Adrenal Cortex	+	+	+	+	+		+	M		45
Adenoma										1

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First Dose M/F: NA / NA

Lab: NIEHS

B6C3F1 Mouse Male 7M	DAY ON TEST								ANIMAL ID		
	0 7 3 4	0 7 3 4	0 7 3 4	0 7 3 4	0 7 3 4	0 7 3 4	0 7 3 4	0 7 3 4			
	0	0	0	0	0	0	0	0	0		
	7	7	7	7	7	7	7	7	0		
	3	3	3	3	3	1	3	3	1		
	4	4	4	4	4	4	4	4	4		
	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0		
	4	4	4	4	4	4	4	4	4		
	5	5	6	6	6	6	6	6	6		
	2	5	0	2	4	5	6	7	6		
										*TOTALS	
Adrenal Medulla	+	+	+	+	+		+	M			39
Islets, Pancreatic	+	+	+	+	+		+	+			51
Adenoma, Multiple											1
Pituitary Gland	M	+	+	+	M		+	I			42
Thyroid Gland	+	+	+	+	+		+	+			49
General Body System											
Tissue NOS											1
Carcinoma											1
Genital System											
Preputial Gland											1
Seminal Vesicle	+	+	+	+	+		+				39
Testes	+	+	+	+	+		+	+			57
Hematopoietic System											
Lymph Node, Mandibular	+	+	+	+	+		+	+			44
Mast Cell Tumor Malignant, Metastatic, Uncertain Primary Site											1
Lymph Node, Mesenteric	+	+	+	+	+		+	M			45
Lymphoma Malignant											2
Spleen	+	+	+	+	+		+	+			49
Lymphoma Malignant											1
Thymus	M	M	+	+	M		M	M			11

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7M

DAY ON TEST	0	0	0	0	0	0	0	0
	7	7	7	7	7	0	7	7
	3	3	3	3	3	1	3	3
	4	4	4	4	4	4	4	4
ANIMAL ID	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4
	5	5	6	6	6	6	6	6
	2	5	0	2	4	5	6	7
	*TOTALS							

Integumentary System

Skin + 2

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

Lung + + + + + + + 58

Alveolar/Bronchiolar Adenoma X X X 13

Alveolar/Bronchiolar Adenoma, Multiple 1

Alveolar/Bronchiolar Carcinoma 3

Carcinoma, Metastatic, Liver 1

Hepatocellular Carcinoma, Metastatic, Liver 3

Mesothelioma Malignant 1

Sarcoma, Multiple 1

Pleura 1

Alveolar/Bronchiolar Carcinoma, Metastatic, Lung 1

Special Senses System

Zymbal's Gland 1

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B6C3F1 Mouse Male 7M	DAY ON TEST	0	0	0	0	0	0	0	0
		7	7	7	7	7	0	7	7
	3	3	3	3	3	1	3	3	
	4	4	4	4	4	4	4	4	
ANIMAL ID	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	
	5	5	6	6	6	6	6	6	
	2	5	0	2	4	5	6	7	*TOTALS

Urinary System

Kidney	+	+	+	+	+	+	+	53
Urinary Bladder	+	+	+	+	+	+	+	50

SYSTEMIC LESIONS

Multiple Organ	+	+	+	+	+	+	+	60
Lymphoma Malignant								2
Mesothelioma Malignant								1

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B6C3F1 Mouse Male 9M	DAY ON TEST																											
	0 7 3 5	0 7 3 5	0 7 1 7	0 7 3 5	0 7 1 6	0 7 1 3	0 7 2 1	0 7 3 5	0 7 4 5	0 7 3 5	0 7 0 9	0 7 3 5	0 7 3 5	0 7 3 5	0 7 3 5	0 7 3 5	0 7 3 5	0 7 3 5	0 7 3 5	0 7 3 5	0 7 3 5	0 7 3 5	0 7 3 5	0 7 3 5	0 7 3 5	0 7 3 5	0 7 3 5	
ANIMAL ID	0 0 3 0 0	0 0 3 0 3	0 0 3 0 6	0 0 3 0 7	0 0 3 1 7	0 0 3 1 8	0 0 3 2 5	0 0 3 2 6	0 0 3 2 7	0 0 3 2 8	0 0 3 2 9	0 0 3 3 0	0 0 3 3 1	0 0 3 3 2	0 0 3 3 3	0 0 3 3 4	0 0 3 3 4	0 0 3 3 4	0 0 3 3 4	0 0 3 3 5	0 0 3 3 5	0 0 3 3 5	0 0 3 3 5	0 0 3 3 5	0 0 3 3 5	0 0 3 3 5	0 0 3 3 5	
Adrenal Medulla	+	+	+	+		+	+	+	M	+	M	+	M	M	+	M	+	M	M	M	+	+	+	M	+	+	+	+
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site						X																						
Islets, Pancreatic	+	+	+	+		+	+	+	A	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+	M	+		I	+	+	M	+	+	+	M	M	+	+	+	M	M	A	+	+	+	M	+	+	+	+
Thyroid Gland	+	+	+	+		+	+	+	A	+	+	+	M	+	M	M	+	A	+	M	+	+	+	+	+	+	+	+
Follicular Cel, Adenoma						X																						
General Body System																												
NONE																												
Genital System																												
Seminal Vesicle			+	+			+								+	+	+	+		+	+		+	+	+			+
Testes	+	+	+	+		+	+	+	A	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+
Hematopoietic System																												
Lymph Node, Mandibular	+	+	+	+		+	+	+	A	+	+	+	+	+	+	+	+	M	+	M	+	+	+	+	+	M	+	+
Lymphoma Malignant						X																						
Lymph Node, Mesenteric	+	+	+	+		+	+	+	A	+	A	+	+	+	+	+	+	M	M	M	+	+	+	+	+	+	+	+
Lymphoma Malignant						X																						
Spleen	+	+	+	+		+	M	+	A	+	+	+	+	+	+	+	+	M	+	A	M	+	+	+	+	+	+	+
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site						X																						
Hemangiosarcoma		X														X												
Lymphoma Malignant																												

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Lab: NIEHS

B6C3F1 Mouse Male 9M	DAY ON TEST																													
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	6	7	0	7	7	7	7	7	5	7	7	7	7	7	7	7	7	6	7	7	4	0	7	7	7	7	7	6	7	7
	8	3	1	3	3	3	3	3	8	3	3	3	3	3	3	3	2	3	0	8	1	3	3	0	3	3	6	3	3	3
	3	5	7	5	5	5	5	5	8	5	5	5	5	5	5	5	3	5	1	9	4	5	5	4	5	5	5	7	5	5
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	7	8	8	8	9	9	9	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	4	4	4	4	4
	9	2	5	6	2	5	7	0	6	2	3	6	8	2	3	7	8													
Adrenal Medulla	M	+		+	M	M	+	+	A	+	+	+	+	M	+	M	+	+	M	+	M		+	+	M	M	+	+	+	+
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																														
Islets, Pancreatic	M	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pituitary Gland	+	+		+	M	+	+	+	M	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	M	M	
Thyroid Gland	M	+		+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Follicular Cel, Adenoma																														
General Body System																														
NONE																														
Genital System																														
Seminal Vesicle	+			+	+		+		+			+		+	+								+			+				+
Testes	+	+		+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic System																														
Lymph Node, Mandibular	M	+		+	+	+	+	+	A	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant																														
Lymph Node, Mesenteric	M	+		+	+	+	+	+	M	+	+	+	+	M	+	M	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Lymphoma Malignant				X																										
Spleen	A	+		+	+	+	+	+	A	+	+	M	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site																														
Hemangiosarcoma																														X
Lymphoma Malignant				X																										

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Lab: NIEHS

B6C3F1 Mouse Male 9M	DAY ON TEST	0	0	0	0	0	0	0	0
		6	7	7	7	7	7	7	7
	3	3	3	3	3	3	3	3	3
	7	5	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	7	7	7
	5	5	5	5	6	6	0	0	0
	4	6	7	9	1	3	1	2	
		*TOTALS							

Alimentary System

Liver	+	+	+	+	+	+	+	62
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site								1
Hemangiosarcoma	X							2
Hepatocellular Adenoma		X		X				19
Hepatocellular Adenoma, Multiple						X		5
Hepatocellular Carcinoma								4
Hepatocellular Carcinoma, Multiple								1
Mesentery					+			3
Pancreas	A	+	+	+	+	+	+	59
Acinus, Carcinoma								1

Cardiovascular System

Heart	+	+	+	+	+	+	+	64
Carcinoma, Metastatic, Pancreas								1

Endocrine System

Adrenal Cortex	+	+	+	+	+	M	M	46
Capsule, Adenoma			X					1
Capsule, Fibrous Histiocytoma, Metastatic, Uncertain Primary Site								1
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site								1

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9M

DAY ON TEST	0	0	0	0	0	0	0	0
	6	7	7	7	7	7	7	7
	3	3	3	3	3	3	3	3
	7	5	5	5	5	5	5	5
ANIMAL ID	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	7	7
	5	5	5	5	6	6	0	0
	4	6	7	9	1	3	1	2

*TOTALS

Adrenal Medulla	A	+	+	+	+	M	M	43
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site								1
Islets, Pancreatic	A	+	+	+	+	+	+	60
Pituitary Gland	A	+	+	+	+	+	M	48
Thyroid Gland	A	+	+	+	+	+	+	56
Follicular Cel, Adenoma								1
General Body System								
NONE								
Genital System								
Seminal Vesicle				+			+	26
Testes	+	+	+	+	+	+	+	62
Hematopoietic System								
Lymph Node, Mandibular	A	+	+	+	+	+	+	56
Lymphoma Malignant								1
Lymph Node, Mesenteric	M	+	+	+	+	+	+	53
Lymphoma Malignant								2
Spleen	A	+	+	+	+	+	+	55
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site								1
Hemangiosarcoma								3
Lymphoma Malignant								1

* ..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: 92003-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 90 diet study

CAS Number: DIET90

Date Report Requested: 10/21/2014

Time Report Requested: 22:01:13

First Dose M/F: NA / NA

Lab: NIEHS

B6C3F1 Mouse Male 9M	DAY ON TEST								*TOTALS
	0 6 3 7	0 7 3 5	0 7 3 5	0 7 3 5	0 7 3 5	0 7 3 5	0 7 3 5	0 7 3 5	
	ANIMAL ID								
	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	7	7	
	5	5	5	5	6	6	0	0	
	4	6	7	9	1	3	1	2	
Thymus	M	+	M	M	M	M	M		13
Integumentary System									
Mammary Gland									1
Skin									3
Melanoma Malignant									1
Musculoskeletal System									
NONE									
Nervous System									
Brain									1
Respiratory System									
Lung	+	+	+	+	+	+	+		63
Alveolar/Bronchiolar Adenoma	X		X	X					13
Alveolar/Bronchiolar Adenoma, Multiple					X	X			5
Alveolar/Bronchiolar Carcinoma		X				X			6
Hepatocellular Carcinoma, Metastatic, Liver									1
Lymphoma Malignant									1
Special Senses System									
Eye									1
Harderian Gland									3
Adenoma									2

* ..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: 92003-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: NTP 90 diet study
 CAS Number: DIET90

Date Report Requested: 10/21/2014
 Time Report Requested: 22:01:14
 First Dose M/F: NA / NA
 Lab: NIEHS

B6C3F1 Mouse Male 9M	DAY ON TEST	0	0	0	0	0	0	0	0	
		6	7	7	7	7	7	7	7	7
	3	3	3	3	3	3	3	3	3	
	7	5	5	5	5	5	5	5	5	
ANIMAL ID	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	7	7	7	
	5	5	5	5	6	6	0	0	0	
	4	6	7	9	1	3	1	2		
		*TOTALS								
Carcinoma										1
Urinary System										
Kidney		+	+	+	+	+	+	+		61
Cortex, Renal Tubule, Carcinoma										1
Fibrous Histiocytoma, Metastatic, Uncertain Primary Site										1
Urinary Bladder		A	+	+	+	+	+	+		59
SYSTEMIC LESIONS										
Multiple Organ		+	+	+	+	+	+	+		64
Lymphoma Malignant										2

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: 92003-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 90 diet study

CAS Number: DIET90

Date Report Requested: 10/21/2014

Time Report Requested: 22:01:14

First Dose M/F: NA / NA

Lab: NIEHS

B6C3F1 Mouse Female 7F	DAY ON TEST																														
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	7	7	7	5	7	7	7	7	5	5	7	7	7	0	7	6	7	7	7	7	6	7	6	1	6	7	7	7	7		
	3	3	3	7	3	3	3	1	6	8	3	3	3	1	3	2	3	3	3	3	3	4	3	6	3	2	3	3	3		
	6	6	6	0	6	6	7	0	8	8	6	6	7	0	6	3	6	6	6	6	4	6	5	9	8	6	1	6	6	8	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	6	7	7	7	7	7	7	8	8	8	9	9	9	9	0	0	0	0	0	1	2	2	2	3	3	4	4	4	5	5	
	8	1	2	3	5	6	9	0	1	5	8	0	2	5	6	1	3	7	9	5	0	2	3	6	1	2	3	4	5	0	
Thyroid Gland	+	+	+	M	+	+	+	+	+	A	+	+	+	+	M	+	+	+	+	+	+	A	+	+	+	+	+	+	A		
Follicle, Adenoma				X																											
General Body System																															
Tissue NOS																															+
Thoracic, Hemangiosarcoma																															
Genital System																															
Ovary	+	+	+	A	+	+	+	+	M	A	+	+	+		M	+	+	+	+	+	+	A	I	+		+	+	+	A		
Cystadenoma																															
Uterus	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+		+	+	+	+		
Carcinoma																															
Leiomyoma																															X
Vagina																															
Hematopoietic System																															
Lymph Node, Mandibular	+	+	+	A	+	+	+	A	A	A	+	+	+		+	+	+	+	+	+	+	A	M	+		+	+	M	A		
Lymphoma Malignant																															
Lymph Node, Mesenteric	+	+	+	A	M	+	M	A	A	A	+	+	+		+	+	+	+	M	M	+	M	+	+		M	M	M	A		
Lymphoma Malignant																															
Spleen	+	+	+	A	+	+	+	A	M	A	+	+	+		+	+	+	+	+	+	+	M	+	+		+	+	+	A		
Hemangiosarcoma																															
Lymphoma Malignant																															
Thymus	M	+	M	M	+	+	M	M	M	A	+	M	M		M	M	+	M	+	M	+	M				+	+	M	M		

* ..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: 92003-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 90 diet study

CAS Number: DIET90

Date Report Requested: 10/21/2014

Time Report Requested: 22:01:15

First Dose M/F: NA / NA

Lab: NIEHS

B6C3F1 Mouse Female 7F	DAY ON TEST																														
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	1	7	7	7	7	7	6	7	7	7	6	7	7	7	7	7	1	6	7	7	7	7	6	7	4	7	7	7	7		
	3	3	3	3	1	3	2	3	3	3	3	7	3	3	3	3	3	5	3	3	3	3	3	3	2	3	3	3	3		
	9	7	6	6	4	6	3	7	6	6	6	6	6	6	6	9	3	6	7	6	6	6	4	7	1	6	7	6	6		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6		
	5	5	5	5	6	6	6	6	6	7	7	8	8	9	9	9	9	9	9	0	0	0	0	0	0	1	1	1	1		
	3	4	6	8	0	2	4	5	6	0	7	4	6	0	1	2	4	8	9	1	2	3	5	7	9	0	1	2	3	5	8

Alimentary System

Intestine Small, Jejunum

Lymphoma Malignant

Liver

Hemangiosarcoma

Hepatocellular Adenoma

Hepatocellular Adenoma, Multiple

Hepatocellular Carcinoma

Mesentery

Pancreas

Cardiovascular System

Heart

Endocrine System

Adrenal Cortex

Adrenal Medulla

Pheochromocytoma Benign

Islets, Pancreatic

Adenoma

Pituitary Gland

Adenoma

Pars Distalis, Adenoma

* ..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: 92003-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 90 diet study

CAS Number: DIET90

Date Report Requested: 10/21/2014

Time Report Requested: 22:01:15

First Dose M/F: NA / NA

Lab: NIEHS

B6C3F1 Mouse Female 7F	DAY ON TEST								*TOTALS
	0	0	0	0	0	0	0	0	
	7	0	7	7	7	7	0	7	
	3	1	3	3	3	3	6	3	
	6	4	6	6	6	6	8	6	
ANIMAL ID	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	
	6	6	6	6	6	6	6	6	
	1	2	2	2	2	2	3	3	
	9	0	3	5	6	8	4	6	

Alimentary System

Intestine Small, Jejunum									1
Lymphoma Malignant									1
Liver	+		+	+	+	+		+	60
Hemangiosarcoma									2
Hepatocellular Adenoma									15
Hepatocellular Adenoma, Multiple			X					X	12
Hepatocellular Carcinoma									8
Mesentery			+						15
Pancreas	+		+	+	+	+		+	54

Cardiovascular System

Heart	+		+	+	+	+		+	62
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Endocrine System

Adrenal Cortex	+		+	+	+	+		+	52
Adrenal Medulla	+		+	+	+	+		+	45
Pheochromocytoma Benign									1
Islets, Pancreatic	+		+	+	+	+		+	53
Adenoma									1
Pituitary Gland	M		+	+	+	+		+	47
Adenoma			X						4
Pars Distalis, Adenoma								X	4

* ..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: 92003-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: NTP 90 diet study
 CAS Number: DIET90

Date Report Requested: 10/21/2014
 Time Report Requested: 22:01:15
 First Dose M/F: NA / NA
 Lab: NIEHS

B6C3F1 Mouse Female 7F	DAY ON TEST								ANIMAL ID	*TOTALS
	0 7 3 6	0 7 1 4	0 7 3 6	0 7 3 6	0 7 3 6	0 7 3 6	0 7 6 8	0 7 3 6		
Thyroid Gland	+		+		+		+		+	54
Follicle, Adenoma										2
General Body System										
Tissue NOS										3
Thoracic, Hemangiosarcoma										1
Genital System										
Ovary	+		+		+		+		+	52
Cystadenoma										3
Uterus	+		+		+		+		+	58
Carcinoma										1
Leiomyoma										1
Vagina										1
Hematopoietic System										
Lymph Node, Mandibular	+		+		+		+		+	49
Lymphoma Malignant										1
Lymph Node, Mesenteric	M		+		+		+		M	43
Lymphoma Malignant										2
Spleen	+		+		+		+		+	55
Hemangiosarcoma										2
Lymphoma Malignant										1
Thymus	M		+		M		M		+	20

* ..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: 92003-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: NTP 90 diet study
 CAS Number: DIET90

Date Report Requested: 10/21/2014
 Time Report Requested: 22:01:15
 First Dose M/F: NA / NA
 Lab: NIEHS

B6C3F1 Mouse Female 7F	DAY ON TEST	0	0	0	0	0	0	0	0
		7	0	7	7	7	7	0	7
	3	1	3	3	3	3	6	3	
	6	4	6	6	6	6	8	6	
ANIMAL ID	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	
	6	6	6	6	6	6	6	6	
	1	2	2	2	2	2	3	3	
	9	0	3	5	6	8	4	6	*TOTALS

Integumentary System

Skin	4
Sarcoma	2
Schwannoma Malignant	2

Musculoskeletal System

NONE

Nervous System

NONE

Respiratory System

Lung	+	+	+	+	+	+	60
Alveolar/Bronchiolar Adenoma							4
Alveolar/Bronchiolar Carcinoma							1
Hepatocellular Carcinoma, Metastatic, Liver							3

Special Senses System

Eye	1
Harderian Gland	1
Adenoma	1

Urinary System

Kidney	+	+	+	+	+	+	56
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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
 BLANK ..Not examined microscopically

Experiment Number: 92003-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: NTP 90 diet study
 CAS Number: DIET90

Date Report Requested: 10/21/2014
 Time Report Requested: 22:01:15
 First Dose M/F: NA / NA
 Lab: NIEHS

B6C3F1 Mouse Female 7F	DAY ON TEST	0	0	0	0	0	0	0	0	*TOTALS
	ANIMAL ID	7	0	7	7	7	7	0	7	
		3	1	3	3	3	3	6	3	
		6	4	6	6	6	6	8	6	
		0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		6	6	6	6	6	6	6	6	
		1	2	2	2	2	2	3	3	
		9	0	3	5	6	8	4	6	
Pelvis, Lymphoma Malignant										1
Urinary Bladder		+		+	+	+	+		+	51
SYSTEMIC LESIONS										
Multiple Organ		+		+	+	+	+		+	62
Lymphoma Malignant										2

* ..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: 92003-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 90 diet study

CAS Number: DIET90

Date Report Requested: 10/21/2014

Time Report Requested: 22:01:15

First Dose M/F: NA / NA

Lab: NIEHS

B6C3F1 Mouse Female 9F	DAY ON TEST																												
	0 7 3 8	0 7 3 7	0 7 7 0	0 1 2 1	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 6 9 7	0 6 7 5	0 7 3 8	0 7 3 8	0 5 6 1	0 7 3 3	0 7 3 6	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 7 3 3	0 5 7 3	0 7 3 7	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
6	7	7	8	8	8	8	9	9	9	9	9	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	3
9	4	8	2	3	9	3	4	7	8	9	0	4	5	6	8	0	1	2	6	7	8	9	1	4	5	8	4	5	6

Alimentary System

Liver	+	+	+	+	+	+	+	+	A	+	+	+	A	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Islets, Pancreatic									X																				
Hemangiosarcoma																								X					
Hemangiosarcoma, Metastatic, Spleen				X																									
Hepatocellular Adenoma							X	X																					X
Hepatocellular Adenoma, Multiple												X								X	X								
Hepatocellular Carcinoma														X															X
Hepatocellular Carcinoma, Multiple																													
Lymphoma Malignant				X							X								X										
Mesentery																													
Pancreas	+	+	+	+	+	+	+	+	M	M	+	+	A	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+

Cardiovascular System

Heart	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ventricle, Carcinoma, Metastatic, Skin																													

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	M	+	+	+	A	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma																													
Adrenal Medulla	+	+	M	M	+	+	+	+	M	+	+	+	A	M	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+
Islets, Pancreatic	+	+	+	+	+	+	+	+	M	+	+	+	A	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+
Adenoma																													

* ..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: 92003-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: NTP 90 diet study
 CAS Number: DIET90

Date Report Requested: 10/21/2014
 Time Report Requested: 22:01:16
 First Dose M/F: NA / NA
 Lab: NIEHS

B6C3F1 Mouse Female 9F	DAY ON TEST																													
	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07	07
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Lung	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Alveolar/Bronchiolar Adenoma														X																
Alveolar/Bronchiolar Adenoma, Multiple																														
Alveolar/Bronchiolar Carcinoma																														
Carcinoma, Metastatic, Skin																													X	
Hepatocellular Carcinoma, Metastatic, Liver																														
Lymphoma Malignant			X										X						X											
Osteosarcoma, Metastatic, Uncertain Primary Site																														
Sarcoma, Metastatic, Skin			X																											
Special Senses System																														
Harderian Gland																														
Adenoma																														
Urinary System																														
Kidney																														
Lymphoma Malignant																														
Sarcoma																														
Urinary Bladder																														
Lymphoma Malignant																														
SYSTEMIC LESIONS																														
Multiple Organ																														

* ..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: 92003-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 90 diet study

CAS Number: DIET90

Date Report Requested: 10/21/2014

Time Report Requested: 22:01:17

First Dose M/F: NA / NA

Lab: NIEHS

B6C3F1 Mouse Female 9F	DAY ON TEST	ANIMAL ID																														
		0 7 8	0 7 7	0 0 7	0 1 1	0 7 8	0 7 7	0 7 7	0 7 7	0 6 5	0 6 8	0 7 7	0 5 8	0 7 1	0 7 7	0 6 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 7 3	0 5 4	0 7 7	0 7 7	0 7 7
Lymphoma Malignant		0 0 4 6 9	0 0 4 7 4	0 0 4 7 8	0 0 4 8 2	0 0 4 8 3	0 0 4 8 9	0 0 4 9 3	0 0 4 9 4	0 0 4 9 7	0 0 4 9 8	0 0 5 0 0	0 0 5 0 0	0 0 5 0 0	0 0 5 0 1	0 0 5 0 1	0 0 5 0 1	0 0 5 0 1	0 0 5 0 1	0 0 5 0 1	0 0 5 0 1	0 0 5 0 2	0 0 5 0 2	0 0 5 0 2	0 0 5 0 2	0 0 5 0 2	0 0 5 0 2	0 0 5 0 2	0 0 5 0 4	0 0 5 0 5	0 0 5 0 5	0 0 5 0 6
			X	X					X					X		X																

* ..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: 92003-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 90 diet study

CAS Number: DIET90

Date Report Requested: 10/21/2014

Time Report Requested: 22:01:17

First Dose M/F: NA / NA

Lab: NIEHS

DAY ON TEST	ANIMAL ID																													
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
B6C3F1 Mouse Female	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
9F	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	7	3	3	3	3	3	3	3	6	7	7	7
	7	7	7	7	7	1	8	8	7	7	8	7	8	8	8	7	4	8	7	7	7	7	7	7	7	7	9	3	3	3

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Carcinoma, Metastatic, Islets, Pancreatic																														
Hemangiosarcoma			X																											
Hemangiosarcoma, Metastatic, Spleen																														
Hepatocellular Adenoma								X		X			X			X		X				X						X		
Hepatocellular Adenoma, Multiple	X						X																	X						
Hepatocellular Carcinoma													X			X									X		X		X	
Hepatocellular Carcinoma, Multiple																				X										
Lymphoma Malignant																														
Mesentery														+	+		+									+	+		+	
Pancreas	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+

Cardiovascular System

Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ventricle, Carcinoma, Metastatic, Skin																														

Endocrine System

Adrenal Cortex	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	M	+	+	+	+	+	M	A	M	+	+	+
Carcinoma																															
Adrenal Medulla	+	M	M	M	+	+	+	M	+	M	+	+	+	+	+	+	+	M	+	M	+	+	+	+	M	M	A	M	+	+	+
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	+	+	+	+	+	+	+	+
Adenoma																															

* ..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: 92003-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 90 diet study

CAS Number: DIET90

Date Report Requested: 10/21/2014

Time Report Requested: 22:01:17

First Dose M/F: NA / NA

Lab: NIEHS

B6C3F1 Mouse Female 9F	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
Carcinoma																																									
Pituitary Gland		+	M	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	M	M	+	+	+	+	+	+	+	+	+	+	+	+	+			
Adenoma																																									X
Pars Distalis, Adenoma																																								X	
Thyroid Gland		+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	I	+	+	+	+	+	+	+	+	+	+	+		
Bilateral, Follicular Cel, Adenoma																																									
Follicular Cel, Adenoma																																									X
General Body System																																									
Tissue NOS																																									+
Abdominal, Lymphoma Malignant																																									X
Thoracic, Sarcoma																																									
Genital System																																									
Ovary		+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Bilateral, Lymphoma Malignant																																									
Cystadenoma																																									X
Uterus		+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Bilateral, Lymphoma Malignant																																									
Carcinoma																																									X
Hematopoietic System																																									
Lymph Node, Mandibular		+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	M	+	M	+	A	+	M	M	+	+	+	+	+		
Lymphoma Malignant																																									

* ..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: 92003-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 90 diet study

CAS Number: DIET90

Date Report Requested: 10/21/2014

Time Report Requested: 22:01:17

First Dose M/F: NA / NA

Lab: NIEHS

B6C3F1 Mouse Female 9F	DAY ON TEST																																	
	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737	0737					
ANIMAL ID	00537	00537	00537	00537	00537	00537	00537	00537	00537	00537	00537	00537	00537	00537	00537	00537	00537	00537	00537	00537	00537	00537	00537	00537	00537	00537	00537	00537	00537					
Lymph Node, Mesenteric	+	M	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	M	+	+				
Lymphoma Malignant																																		
Plasma Cell Tumor Malignant																																		
Spleen	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Hemangiosarcoma																																		
Lymphoma Malignant																																		
Thymus	+	+	M	M	M		+	+	+	+	+	M	+	+	M	M	+	M	+	M	M	M	M	+	+	+	M	+	M	M	M			
Lymphoma Malignant																																		
Thymoma Benign																																		
Integumentary System																																		
Mammary Gland																																		
Carcinoma																																		
Skin																																		
Pinna, Carcinoma																																		
Sarcoma																																		
Sarcoma, Multiple																																		
Musculoskeletal System																																		
NONE																																		
Nervous System																																		
NONE																																		
Respiratory 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: 92003-02
Test Type: CHRONIC
Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: NTP 90 diet study
CAS Number: DIET90

Date Report Requested: 10/21/2014
Time Report Requested: 22:01:17
First Dose M/F: NA / NA
Lab: NIEHS

B6C3F1 Mouse Female 9F	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	5	7	7	7	7	6	7	7	7	7	6	7	7
		3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	7	3	3	3	3	9	3	3	3	3	3	6	7	7
		7	7	7	7	7	1	8	8	7	7	8	7	8	8	8	7	4	8	7	7	7	7	7	7	7	7	5	8	8	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6
		3	3	4	4	4	5	5	5	5	5	6	6	6	7	7	8	8	8	8	8	9	0	0	0	0	1	1	1	2	2
		7	8	6	8	9	1	2	5	7	9	1	3	7	2	8	9	1	2	7	8	9	5	0	4	6	8	4	6	8	
Lung		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Alveolar/Bronchiolar Adenoma			X										X					X			X										
Alveolar/Bronchiolar Adenoma, Multiple														X																	
Alveolar/Bronchiolar Carcinoma				X						X																				X	
Carcinoma, Metastatic, Skin																															
Hepatocellular Carcinoma, Metastatic, Liver																							X								
Lymphoma Malignant																															
Osteosarcoma, Metastatic, Uncertain																															
Primary Site																															
Sarcoma, Metastatic, Skin																															
Special Senses System																															
Harderian Gland																															
Adenoma							X						X																		
Urinary System																															
Kidney		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	
Lymphoma Malignant																															
Sarcoma																															
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	+	A	+	
Lymphoma Malignant																															
SYSTEMIC LESIONS																															
Multiple Organ		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

* ..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: 92003-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 90 diet study

CAS Number: DIET90

Date Report Requested: 10/21/2014

Time Report Requested: 22:01:18

First Dose M/F: NA / NA

Lab: NIEHS

	DAY ON TEST																													
B6C3F1 Mouse Female	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	9	3	3	3	3	6	7	7
9F	7	7	7	7	7	1	8	8	7	7	8	7	7	8	8	8	8	7	4	8	7	7	7	7	7	7	7	7	7	
	ANIMAL ID																													
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6
	3	3	4	4	4	5	5	5	5	5	6	6	7	7	7	8	8	8	8	8	8	9	0	0	0	0	1	1	1	2
	7	8	6	8	9	1	2	5	7	9	1	3	7	2	8	9	1	2	7	8	8	9	5	0	4	6	8	4	6	7
Lymphoma Malignant												X														X		X		X

* ..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: 92003-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 90 diet study

CAS Number: DIET90

Date Report Requested: 10/21/2014

Time Report Requested: 22:01:18

First Dose M/F: NA / NA

Lab: NIEHS

B6C3F1 Mouse Female	9F	DAY ON TEST	0	0	0	0	0	0	0	0
			6	7	7	6	4	6	7	7
			4	3	3	5	9	2	2	3
			8	7	8	0	7	3	1	7
	ANIMAL ID	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		6	6	6	6	6	6	7	7	
		2	2	2	3	3	3	0	0	
		4	7	9	1	2	3	3	4	
*TOTALS										

Alimentary System

Liver	+	+	+	A	+	A	62
Carcinoma, Metastatic, Islets, Pancreatic							1
Hemangiosarcoma							2
Hemangiosarcoma, Metastatic, Spleen							1
Hepatocellular Adenoma			X				11
Hepatocellular Adenoma, Multiple							6
Hepatocellular Carcinoma							7
Hepatocellular Carcinoma, Multiple							1
Lymphoma Malignant							3
Mesentery							12
Pancreas	M	+	+	M	+	A	57

Cardiovascular System

Heart	+	+	+	A	+	A	64
Ventricle, Carcinoma, Metastatic, Skin							1

Endocrine System

Adrenal Cortex	M	+	+	M	+	A	52
Carcinoma							1
Adrenal Medulla	M	+	+	M	+	A	45
Islets, Pancreatic	M	+	+	M	+	A	58
Adenoma							1

* ..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: 92003-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 90 diet study

CAS Number: DIET90

Date Report Requested: 10/21/2014

Time Report Requested: 22:01:18

First Dose M/F: NA / NA

Lab: NIEHS

B6C3F1 Mouse Female 9F	DAY ON TEST								*TOTALS
	0 6 4 8	0 7 3 7	0 7 3 8	0 6 5 0	0 4 9 7	0 6 2 3	0 7 2 1	0 7 3 7	
	ANIMAL ID								
	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	
	6	6	6	6	6	6	7	7	
	2	2	2	3	3	3	0	0	
	4	7	9	1	2	3	3	4	
Carcinoma									1
Pituitary Gland	+	+	+	+	+	M			52
Adenoma									1
Pars Distalis, Adenoma									1
Thyroid Gland	M	+	+	A	+	A			60
Bilateral, Follicular Cel, Adenoma			X						1
Follicular Cel, Adenoma									2
General Body System									
Tissue NOS									2
Abdominal, Lymphoma Malignant									1
Thoracic, Sarcoma									1
Genital System									
Ovary	M	+	+	A	+	A			59
Bilateral, Lymphoma Malignant									1
Cystadenoma									7
Uterus	+	+	+	A	+	A			63
Bilateral, Lymphoma Malignant									1
Carcinoma									1
Hematopoietic System									
Lymph Node, Mandibular	M	+	+	A	M	A			54
Lymphoma Malignant									2

* ..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: 92003-02
 Test Type: CHRONIC
 Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: NTP 90 diet study
 CAS Number: DIET90

Date Report Requested: 10/21/2014
 Time Report Requested: 22:01:18
 First Dose M/F: NA / NA
 Lab: NIEHS

B6C3F1 Mouse Female 9F	DAY ON TEST								ANIMAL ID	
	0 6 4 8	0 7 3 7	0 7 3 8	0 6 5 0	0 4 9 7	0 6 2 3	0 7 2 3	0 7 2 1		
	0	0	0	0	0	0	0	0		
	0	0	0	0	0	0	0	0		
	6	6	6	6	6	6	7	7		
	2	2	2	3	3	3	0	0		
	4	7	9	1	2	3	3	4		*TOTALS
Lymph Node, Mesenteric	M	+	M	M	A	M				51
Lymphoma Malignant										2
Plasma Cell Tumor Malignant										1
Spleen	+	+	+	A	+	A				61
Hemangiosarcoma										1
Lymphoma Malignant										5
Thymus	M	M	+	M	M	M				25
Lymphoma Malignant										1
Thymoma Benign										1
Integumentary System										
Mammary Gland										1
Carcinoma										1
Skin						A				7
Pinna, Carcinoma										1
Sarcoma										2
Sarcoma, Multiple										1
Musculoskeletal System										
NONE										
Nervous System										
NONE										
Respiratory 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: 92003-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 90 diet study

CAS Number: DIET90

Date Report Requested: 10/21/2014

Time Report Requested: 22:01:18

First Dose M/F: NA / NA

Lab: NIEHS

B6C3F1 Mouse Female 9F	DAY ON TEST	0	0	0	0	0	0	0	0	*TOTALS
	ANIMAL ID	6	7	7	6	4	6	7	7	
		4	3	3	5	9	2	2	3	
		8	7	8	0	7	3	1	7	
		0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		6	6	6	6	6	6	7	7	
		2	2	2	3	3	3	0	0	
		4	7	9	1	2	3	3	4	
Lung		+	+	+	A	+	A			64
Alveolar/Bronchiolar Adenoma		X								5
Alveolar/Bronchiolar Adenoma, Multiple										1
Alveolar/Bronchiolar Carcinoma										3
Carcinoma, Metastatic, Skin										1
Hepatocellular Carcinoma, Metastatic, Liver										1
Lymphoma Malignant										3
Osteosarcoma, Metastatic, Uncertain						X				1
Primary Site										
Sarcoma, Metastatic, Skin										1
Special Senses System										
Harderian Gland										4
Adenoma										4
Urinary System										
Kidney		+	+	+	+	+	A			62
Lymphoma Malignant										3
Sarcoma					X					1
Urinary Bladder		M	+	+	A	+	A			54
Lymphoma Malignant										1
SYSTEMIC LESIONS										
Multiple Organ		+	+	+	+	+				66

* ..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: 92003-02

Test Type: CHRONIC

Species/Strain: Mouse/B6C3F1

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 90 diet study

CAS Number: DIET90

Date Report Requested: 10/21/2014

Time Report Requested: 22:01:18

First Dose M/F: NA / NA

Lab: NIEHS

B6C3F1 Mouse Female	9F	DAY ON TEST	0	0	0	0	0	0	0	0
		6	7	7	6	4	6	7	7	
		4	3	3	5	9	2	2	3	
		8	7	8	0	7	3	1	7	
	ANIMAL ID	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	
		6	6	6	6	6	6	7	7	
		2	2	2	3	3	3	0	0	
		4	7	9	1	2	3	3	4	
*TOTALS										

Lymphoma Malignant

9

** 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
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically