

Experiment Number: 92004-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 91/92 diet study

CAS Number: DIET9192

Date Report Requested: 10/20/2014

Time Report Requested: 18:17:45

First Dose M/F: NA / NA

Lab: NIEHS

C Number: C92004

Lock Date: Not Entered.

Cage Range: All

Date Range: All

Reasons For Removal: All

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date: NONE

Experiment Number: 92004-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 91/92 diet study

CAS Number: DIET9192

Date Report Requested: 10/20/2014

Time Report Requested: 18:17:47

First Dose M/F: NA / NA

Lab: NIEHS

F 344/N Rat Male 07M	DAY ON TEST																														
	07	07	07	07	07	06	07	07	07	07	04	06	07	05	07	05	07	06	06	04	07	06	05	07	07	07	07	06	07	07	
ANIMAL ID	001	002	003	004	005	006	007	008	009	010	011	012	013	014	015	016	017	018	019	020	021	022	023	024	025	026	027	028	029	030	
Leukemia Mononuclear			X												X		X	X				X									
Adrenal Medulla	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Bilateral, Pheochromocytoma Benign			X							X						X															
Leukemia Mononuclear	X		X	X		X					X				X		X	X				X									
Pheochromocytoma Benign			X														X	X											X	X	
Pheochromocytoma Malignant																													X		
Islets, Pancreatic	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	A		+	+	+	+	+	+	+	+	+	
Adenoma															X				X					X		X					
Parathyroid Gland	+	+	M	M	+	+	M	M	M	M	+	+	+	+	+	M	+	+	M			M	M	+	M	+	+	+	+	M	M
Leukemia Mononuclear, Metastatic, Spleen																X															
Pituitary Gland	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	M	+	+	+	+	+	+	
Leukemia Mononuclear																															
Pars Distalis, Adenoma	X		X		X			X		X	X	X									X		X	X		X	X	X	X	X	
Pars Distalis, Leukemia Mononuclear			X													X		X	X												
Thyroid Gland	+	+	+	+	+	+	M	+	+	M	+	+	+	+	+	M	+	+	M			+	+	+	+	+	+	+	+	M	+
C Cell, Adenoma											X																				
Cystadenoma																															
Leukemia Mononuclear																X															
General Body System																															
Peritoneum																															+
Tunica Vaginal, Mesothelioma Malignant																															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: 92004-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: NTP 91/92 diet study
CAS Number: DIET9192

Date Report Requested: 10/20/2014
Time Report Requested: 18:17:48
First Dose M/F: NA / NA
Lab: NIEHS

DAY ON TEST

F 344/N Rat Male
07M

ANIMAL ID

*TOTALS

Alimentary System

Liver	57
Hepatocellular Adenoma	3
Hepatocellular Carcinoma	1
Leukemia Mononuclear	30
Mesentery	8
Lipoma	1
Mesothelioma Malignant, Metastatic, Testes	1
Pancreas	56
Leukemia Mononuclear	13
Stomach, Forestomach	4
Stomach, Glandular	1
Tongue	1
Squamous Cell Papilloma	1

Cardiovascular System

Heart	57
Leukemia Mononuclear	17
Schwannoma Malignant	2

Endocrine System

Adrenal Cortex	56
Adenoma	1
Leukemia Mononuclear	11

* ..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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Experiment Number: 92004-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 91/92 diet study

CAS Number: DIET9192

Date Report Requested: 10/20/2014

Time Report Requested: 18:17:48

First Dose M/F: NA / NA

Lab: NIEHS

DAY ON TEST

F 344/N Rat Male

07M

ANIMAL ID

*TOTALS

Adrenal Medulla	56
Bilateral, Pheochromocytoma Benign	7
Leukemia Mononuclear	17
Pheochromocytoma Benign	10
Pheochromocytoma Malignant	1
Islets, Pancreatic	56
Adenoma	5
Parathyroid Gland	36
Adenoma	1
Leukemia Mononuclear, Metastatic, Spleen	1
Pituitary Gland	55
Leukemia Mononuclear	1
Pars Distalis, Adenoma	26
Pars Distalis, Leukemia Mononuclear	7
Thyroid Gland	51
C Cell, Adenoma	5
Cystadenoma	1
Leukemia Mononuclear	1
General Body System	
Peritoneum	1
Tunica Vaginal, Mesothelioma Malignant	1
Genital System	
Penis	1

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

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X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 92004-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 91/92 diet study

CAS Number: DIET9192

Date Report Requested: 10/20/2014

Time Report Requested: 18:17:48

First Dose M/F: NA / NA

Lab: NIEHS

DAY ON TEST

F 344/N Rat Male

07M

ANIMAL ID

*TOTALS

Preputial Gland	5
Adenoma	4
Seminal Vesicle	2
Testes	56
Bilateral, Interstit Cell, Adenoma	36
Interstit Cell, Adenoma	12
Leukemia Mononuclear	1
Mesothelioma Malignant	1
Tunic, Mesothelioma Malignant	1
Hematopoietic System	
Lymph Node	1
Mediastinal, Leukemia Mononuclear	1
Lymph Node, Mandibular	2
Leukemia Mononuclear	1
Lymph Node, Mesenteric	56
Leukemia Mononuclear	20
Spleen	57
Leukemia Mononuclear	32
Osteosarcoma	1
Thymus	30
Leukemia Mononuclear	3
Thymoma Benign	2

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: 92004-01
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Species/Strain: Rat/F 344/N

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CAS Number: DIET9192

Date Report Requested: 10/20/2014
Time Report Requested: 18:17:48
First Dose M/F: NA / NA
Lab: NIEHS

DAY ON TEST

F 344/N Rat Male
07M

ANIMAL ID

*TOTALS

Mammary Gland	5
Adenocarcinoma	1
Adenoma	1
Carcinoma	1
Fibroadenoma	2
Skin	10
Fibroma	2
Keratoacanthoma	3
Melanoma Malignant	1
Squamous Cell Carcinoma	1
Subcut Tiss, Fibroma	2
Musculoskeletal System	
NONE	
Nervous System	
Brain	1
Brain, Cerebellum	1
Leukemia Mononuclear	1
Respiratory System	
Lung	57
Alveolar/Bronchiolar Adenoma	1
Alveolar/Bronchiolar Carcinoma	1
Leukemia Mononuclear	26

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+ ..Tissue examined microscopically
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Experiment Number: 92004-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

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Test Compound: NTP 91/92 diet study
CAS Number: DIET9192

Date Report Requested: 10/20/2014
Time Report Requested: 18:17:48
First Dose M/F: NA / NA
Lab: NIEHS

DAY ON TEST

F 344/N Rat Male
07M

ANIMAL ID

*TOTALS

Squamous Cell Carcinoma	1
Special Senses System	
NONE	
Urinary System	
Kidney	57
Leukemia Mononuclear	16
Urinary Bladder	55
Leukemia Mononuclear	8
SYSTEMIC LESIONS	
Multiple Organ	57
Leukemia Mononuclear	32
Mesothelioma Malignant	3

* ..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: 92004-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: NTP 91/92 diet study
CAS Number: DIET9192

Date Report Requested: 10/20/2014
Time Report Requested: 18:17:50
First Dose M/F: NA / NA
Lab: NIEHS

DAY ON TEST

F 344/N Rat Male
91M

ANIMAL ID

*TOTALS

Alimentary System

Liver	60
Hepatocellular Adenoma	1
Leukemia Mononuclear	31
Mesentery	4
Mesothelioma Malignant	1
Pancreas	59
Leukemia Mononuclear	5

Cardiovascular System

Heart	60
Leukemia Mononuclear	15
Schwannoma Malignant	2

Endocrine System

Adrenal Cortex	60
Leukemia Mononuclear	9
Adrenal Medulla	60
Bilateral, Pheochromocytoma Benign	2
Leukemia Mononuclear	10
Pheochromocytoma Benign	10
Islets, Pancreatic	59
Adenoma	6
Leukemia Mononuclear, Metastatic, Spleen	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: 92004-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 91/92 diet study

CAS Number: DIET9192

Date Report Requested: 10/20/2014

Time Report Requested: 18:17:50

First Dose M/F: NA / NA

Lab: NIEHS

DAY ON TEST

F 344/N Rat Male

91M

ANIMAL ID

*TOTALS

Parathyroid Gland	41
Leukemia Mononuclear, Metastatic, Spleen	1
Pituitary Gland	58
Pars Distalis, Adenoma	25
Pars Distalis, Leukemia Mononuclear	7
Thyroid Gland	58
C Cell, Adenoma	9
Follicular Cel, Adenoma	1
Leukemia Mononuclear	1

General Body System

NONE

Genital System

Preputial Gland	3
Adenoma	3
Seminal Vesicle	3
Testes	60
Bilateral, Interstit Cell, Adenoma	42
Interstit Cell, Adenoma	11
Interstit Cell, Mesothelioma Malignant	1

Hematopoietic System

Lymph Node	1
Mediastinal, Leukemia Mononuclear	1

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+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

Experiment Number: 92004-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 91/92 diet study

CAS Number: DIET9192

Date Report Requested: 10/20/2014

Time Report Requested: 18:17:50

First Dose M/F: NA / NA

Lab: NIEHS

DAY ON TEST

F 344/N Rat Male

91M

ANIMAL ID

*TOTALS

Lymph Node, Mesenteric	57
Leukemia Mononuclear	22
Spleen	59
Leukemia Mononuclear	30
Thymus	46
Leukemia Mononuclear	6
Integumentary System	
Mammary Gland	1
Fibroadenoma	1
Skin	9
Basal Cell Carcinoma	2
Fibroma	2
Subcut Tiss, Fibroma	3
Trichoepithelioma	1
Musculoskeletal System	
NONE	
Nervous System	
Brain	1
Brain, Cerebrum	1
Leukemia Mononuclear	1
Respiratory System	
Lung	59

* ..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: 92004-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: NTP 91/92 diet study
CAS Number: DIET9192

Date Report Requested: 10/20/2014
Time Report Requested: 18:17:50
First Dose M/F: NA / NA
Lab: NIEHS

DAY ON TEST

F 344/N Rat Male
91M

ANIMAL ID	*TOTALS
Leukemia Mononuclear	24
Mesothelioma Malignant	1
Special Senses System	
Zymbal's Gland	1
Adenoma	1
Urinary System	
Kidney	60
Leukemia Mononuclear	13
Urinary Bladder	59
Leukemia Mononuclear	7
SYSTEMIC LESIONS	
Multiple Organ	60
Leukemia Mononuclear	31
Mesothelioma Malignant	3

* ..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: 92004-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 91/92 diet study

CAS Number: DIET9192

Date Report Requested: 10/20/2014

Time Report Requested: 18:17:52

First Dose M/F: NA / NA

Lab: NIEHS

DAY ON TEST

F 344/N Rat Male
92M

ANIMAL ID

*TOTALS

Alimentary System

Liver	56
Leukemia Mononuclear	25
Mesentery	5
Pancreas	52
Leukemia Mononuclear	5
Salivary Glands	1

Cardiovascular System

Heart	56
Leukemia Mononuclear	9

Endocrine System

Adrenal Cortex	56
Leukemia Mononuclear	7
Adrenal Medulla	56
Bilateral, Pheochromocytoma Benign	1
Leukemia Mononuclear	14
Pheochromocytoma Benign	6
Islets, Pancreatic	52
Adenoma	1
Leukemia Mononuclear, Metastatic, Spleen	1
Parathyroid Gland	40
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: 92004-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 91/92 diet study

CAS Number: DIET9192

Date Report Requested: 10/20/2014

Time Report Requested: 18:17:52

First Dose M/F: NA / NA

Lab: NIEHS

DAY ON TEST

F 344/N Rat Male
92M

ANIMAL ID

*TOTALS

Pituitary Gland	56
Leukemia Mononuclear	1
Pars Distalis, Adenoma	18
Pars Distalis, Carcinoma	1
Pars Distalis, Leukemia Mononuclear	5
Thyroid Gland	56
C Cell, Adenoma	1
Follicular Cel, Adenoma	1
General Body System	
Peritoneum	2
Mesothelium, Mesothelioma Malignant	1
Tunica Vaginal, Mesothelioma Malignant	1
Genital System	
Preputial Gland	3
Adenoma	2
Squamous Cell Papilloma	1
Seminal Vesicle	5
Testes	56
Bilateral, Interstit Cell, Adenoma	37
Interstit Cell, Adenoma	14
Leukemia Mononuclear	1
Mesothelioma Malignant, Metastatic, Peritoneum	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: 92004-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 91/92 diet study

CAS Number: DIET9192

Date Report Requested: 10/20/2014

Time Report Requested: 18:17:52

First Dose M/F: NA / NA

Lab: NIEHS

DAY ON TEST

F 344/N Rat Male

92M

ANIMAL ID

*TOTALS

Hematopoietic System

Lymph Node	2
Mediastinal, Leukemia Mononuclear	2
Lymph Node, Mandibular	1
Leukemia Mononuclear	1
Lymph Node, Mesenteric	54
Leukemia Mononuclear	16
Spleen	56
Fibroma	1
Fibrous Histiocytoma	1
Leukemia Mononuclear	27
Thymus	38
Leukemia Mononuclear	4

Integumentary System

Mammary Gland	3
Fibroadenoma	2
Inguinal, Fibroadenoma	1
Skin	3
Keratoacanthoma	2
Subcut Tiss, Fibroma	1

Musculoskeletal System

Bone	1
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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: 92004-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 91/92 diet study

CAS Number: DIET9192

Date Report Requested: 10/20/2014

Time Report Requested: 18:17:52

First Dose M/F: NA / NA

Lab: NIEHS

DAY ON TEST

F 344/N Rat Male
92M

ANIMAL ID

*TOTALS

Vertebra, Osteosarcoma	1
Nervous System	
Brain, Cerebellum	1
Leukemia Mononuclear	1
Respiratory System	
Lung	56
Alveolar/Bronchiolar Adenoma	1
Alveolar/Bronchiolar Carcinoma	1
Leukemia Mononuclear	21
Osteosarcoma, Metastatic, Bone	1
Squamous Cell Carcinoma	1
Special Senses System	
Zymbal's Gland	1
Carcinoma	1
Urinary System	
Kidney	56
Leukemia Mononuclear	12
Urinary Bladder	52
Leukemia Mononuclear	7
Papilloma	1
SYSTEMIC LESIONS	

* ..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: 92004-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: NTP 91/92 diet study
CAS Number: DIET9192

Date Report Requested: 10/20/2014
Time Report Requested: 18:17:52
First Dose M/F: NA / NA
Lab: NIEHS

DAY ON TEST

F 344/N Rat Male
92M

ANIMAL ID

*TOTALS

Multiple Organ	56
Leukemia Mononuclear	27
Mesothelioma 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: 92004-01
 Test Type: CHRONIC
 Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
 Test Compound: NTP 91/92 diet study
 CAS Number: DIET9192

Date Report Requested: 10/20/2014
 Time Report Requested: 18:17:53
 First Dose M/F: NA / NA
 Lab: NIEHS

F 344/N Rat Female 07F	DAY ON TEST																														
	078	078	073	077	077	076	077	075	077	077	077	077	074	077	075	077	075	076	077	077	077	077	077	075	077	077	077	076	075		
ANIMAL ID	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000	000		
Urinary Bladder	+	+	A	+	+		+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Adenoma																															
Leukemia Granulocytic																															
SYSTEMIC LESIONS																															
Multiple Organ	+	+	+	+	+		+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Histiocytic Sarcoma																															
Leukemia Granulocytic																															
Leukemia Mononuclear			X		X								X	X																	

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 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically

Experiment Number: 92004-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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CAS Number: DIET9192

Date Report Requested: 10/20/2014

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First Dose M/F: NA / NA

Lab: NIEHS

F 344/N Rat Female 07F	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	
	6	5	7	6	7	5	7	7	6	5	7	7	5	7	7	7	7	5	7	5	5	3	7	5	7	6	7	7		
	1	4	2	3	2	4	2	2	6	3	0	2	9	2	2	0	2	2	9	2	6	8	5	2	6	2	7	2	2	
	6	0	9	9	9	1	9	9	5	4	1	8	3	8	6	1	6	6	6	6	6	2	9	9	6	2	9	0	9	9
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	0	0	0	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	3	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	6	
	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	

Pheochromocytoma Benign				X											X															
Islets, Pancreatic		+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Parathyroid Gland		+	+	M	+	+	+	+	M	M		+	M	+	+	+	+	M	M	+	+	+	M	M	M	+	+	+	+	
Pituitary Gland		+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Adenoma		X				X	X	X		X	X				X	X				X		X	X	X		X	X	X	X	
Pars Distalis, Leukemia Mononuclear																X														
Thyroid Gland		+	+	+	+	+	+	+	+	M		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
C Cell, Adenoma						X																								
Cystadenoma																														
Follicular Cel, Adenoma												X																		
Leukemia Mononuclear																														

General Body System

NONE

Genital System

Clitoral Gland															+		+	+												
Adenoma																														
Carcinoma																														
Leukemia Granulocytic, Metastatic, Spleen																														
Ovary		+	+	+	M	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Granulosa Cell Tumor Benign																														
Leukemia Granulocytic																														
Leukemia Mononuclear																														

* ..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: 92004-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: NTP 91/92 diet study
CAS Number: DIET9192

Date Report Requested: 10/20/2014
Time Report Requested: 18:17:54
First Dose M/F: NA / NA
Lab: NIEHS

DAY ON TEST

F 344/N Rat Female
07F

ANIMAL ID

*TOTALS

Alimentary System

Intestine Large, Colon	1
Liver	56
Histiocytic Sarcoma	1
Leukemia Mononuclear	15
Pheochromocytoma Malignant, Metastatic, Adrenal Medulla	1
Mesentery	2
Leukemia Granulocytic	1
Pancreas	55
Leukemia Granulocytic	1
Leukemia Mononuclear	1

Cardiovascular System

Heart	56
Leukemia Mononuclear	1

Endocrine System

Adrenal Cortex	56
Leukemia Mononuclear	2
Adrenal Medulla	55
Bilateral, Pheochromocytoma Malignant	1
Leukemia Mononuclear	3
Pheochromocytoma Benign	3
Islets, Pancreatic	55

* ..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: 92004-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 91/92 diet study

CAS Number: DIET9192

Date Report Requested: 10/20/2014

Time Report Requested: 18:17:54

First Dose M/F: NA / NA

Lab: NIEHS

DAY ON TEST

F 344/N Rat Female

07F

ANIMAL ID

*TOTALS

Parathyroid Gland	36
Pituitary Gland	55
Pars Distalis, Adenoma	33
Pars Distalis, Leukemia Mononuclear	2
Thyroid Gland	54
C Cell, Adenoma	4
Cystadenoma	1
Follicular Cel, Adenoma	1
Leukemia Mononuclear	1

General Body System

NONE

Genital System

Clitoral Gland	7
Adenoma	3
Carcinoma	3
Leukemia Granulocytic, Metastatic, Spleen	1
Ovary	55
Granulosa Cell Tumor Benign	2
Leukemia Granulocytic	1
Leukemia Mononuclear	1
Tubulostromal Carcinoma	1
Uterus	52
Endometrium, Polyp Stromal	3

* ..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: 92004-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: NTP 91/92 diet study
CAS Number: DIET9192

Date Report Requested: 10/20/2014
Time Report Requested: 18:17:54
First Dose M/F: NA / NA
Lab: NIEHS

DAY ON TEST

F 344/N Rat Female
07F

ANIMAL ID

*TOTALS

Hematopoietic System

Lymph Node, Mesenteric	56
Leukemia Granulocytic	1
Leukemia Mononuclear	5
Spleen	56
Leukemia Granulocytic	1
Leukemia Mononuclear	15
Thymus	40
Leukemia Granulocytic	1
Leukemia Mononuclear	2
Osteosarcoma, Metastatic, Bone	1
Thymoma Benign	1

Integumentary System

Mammary Gland	29
Adenocarcinoma	2
Adenoma	1
Fibroadenoma	23
Fibroadenoma, Multiple	4
Skin	4
Carcinoma, Metastatic, Zymbal'S Gland	1
Subcut Tiss, Lipoma	1

Musculoskeletal 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: 92004-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 91/92 diet study

CAS Number: DIET9192

Date Report Requested: 10/20/2014

Time Report Requested: 18:17:54

First Dose M/F: NA / NA

Lab: NIEHS

DAY ON TEST

F 344/N Rat Female
07F

ANIMAL ID	*TOTALS
Bone	1
Rib, Osteosarcoma	1
Nervous System	
NONE	
Respiratory System	
Lung	56
Carcinoma, Metastatic, Zymbal'S Gland	1
Leukemia Granulocytic	1
Leukemia Mononuclear	12
Osteosarcoma, Metastatic, Bone	1
Special Senses System	
Zymbal's Gland	1
Carcinoma	1
Urinary System	
Kidney	56
Leukemia Granulocytic	1
Leukemia Mononuclear	1
Urinary Bladder	54
Adenoma	1
Leukemia Granulocytic	1
SYSTEMIC LESIONS	

* ..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: 92004-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: NTP 91/92 diet study
CAS Number: DIET9192

Date Report Requested: 10/20/2014
Time Report Requested: 18:17:54
First Dose M/F: NA / NA
Lab: NIEHS

DAY ON TEST

F 344/N Rat Female
07F

ANIMAL ID

*TOTALS

Multiple Organ	56
Histiocytic Sarcoma	1
Leukemia Granulocytic	1
Leukemia Mononuclear	15

* ..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: 92004-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 91/92 diet study

CAS Number: DIET9192

Date Report Requested: 10/20/2014

Time Report Requested: 18:17:55

First Dose M/F: NA / NA

Lab: NIEHS

F 344/N Rat Female 91F	DAY ON TEST																												
	0729	0729	0729	0729	0743	0757	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	0773	
ANIMAL ID	0015	0015	0015	0015	0015	0015	0015	0015	0015	0015	0015	0015	0015	0015	0015	0015	0015	0015	0015	0015	0015	0015	0015	0015	0015	0015	0015	0015	0015
Pars Distalis, Adenoma			X			X		X			X			X	X		X		X		X	X	X		X	X		X	X
Pars Distalis, Leukemia Mononuclear										X	X																		
Pars Intermed, Adenoma																													
Thyroid Gland	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma																													
General Body System																													
NONE																													
Genital System																													
Clitoral Gland																													
Adenoma																													
Squamous Cell Papilloma																													
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Granulosa Cell Tumor Benign																													
Leukemia Mononuclear											X	X																	
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endometrium, Polyp Stromal																													
Leukemia Mononuclear												X																	
Sarcoma Stromal				X																									
Hematopoietic System																													
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear					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: 92004-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 91/92 diet study

CAS Number: DIET9192

Date Report Requested: 10/20/2014

Time Report Requested: 18:17:56

First Dose M/F: NA / NA

Lab: NIEHS

F 344/N Rat Female 91F	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			
	ANIMAL ID	7	7	7	7	4	7	5	7	6	5	7	7	7	7	6	5	7	7	7	7	7	7	5	7	7	7	7			
		2	2	2	0	3	2	3	2	2	4	2	2	0	2	2	9	2	2	2	2	2	2	6	2	1	2	2	2		
		9	9	9	1	5	7	4	7	4	7	6	6	9	6	5	6	7	7	7	8	8	8	8	8	8	6	8	6		
Spleen		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Leukemia Mononuclear		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Thymus		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6		
		2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	
Integumentary System																															
Mammary Gland		+		+			+		+			+	+	+			+	+	+			+	+		+		+	+	+		
Adenoma																															
Carcinoma																															
Fibroadenoma		X		X			X		X			X	X	X			X	X	X					X		X					
Fibroadenoma, Multiple																							X	X				X	X		
Skin																															
Subcut Tiss, Fibroma																															
Musculoskeletal System																															
NONE																															
Nervous System																															
NONE																															
Respiratory System																															
Lung		+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Alveolar/Bronchiolar Adenoma																															
Leukemia Mononuclear						X					X	X							X											X	
Special Senses 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: 92004-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: NTP 91/92 diet study
CAS Number: DIET9192

Date Report Requested: 10/20/2014
Time Report Requested: 18:17:56
First Dose M/F: NA / NA
Lab: NIEHS

DAY ON TEST

F 344/N Rat Female
91F

ANIMAL ID

*TOTALS

Alimentary System

Liver	56
Hepatocellular Adenoma	1
Leukemia Mononuclear	15
Mesentery	3
Pancreas	58
Leukemia Mononuclear	5
Stomach, Forestomach	1
Stomach, Glandular	1

Cardiovascular System

Heart	57
Leukemia Mononuclear	3

Endocrine System

Adrenal Cortex	58
Leukemia Mononuclear	3
Adrenal Medulla	58
Leukemia Mononuclear	5
Pheochromocytoma Benign	2
Islets, Pancreatic	58
Parathyroid Gland	40
Pituitary Gland	57
Pars Distalis, Adenoma	31

* ..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: 92004-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: NTP 91/92 diet study
CAS Number: DIET9192

Date Report Requested: 10/20/2014
Time Report Requested: 18:17:56
First Dose M/F: NA / NA
Lab: NIEHS

DAY ON TEST

F 344/N Rat Female
91F

ANIMAL ID

*TOTALS

Pars Distalis, Leukemia Mononuclear	2
Pars Intermed, Adenoma	1
Thyroid Gland	55
C Cell, Adenoma	1
General Body System	
NONE	
Genital System	
Clitoral Gland	5
Adenoma	3
Squamous Cell Papilloma	1
Ovary	57
Granulosa Cell Tumor Benign	1
Leukemia Mononuclear	2
Uterus	57
Endometrium, Polyp Stromal	5
Leukemia Mononuclear	2
Sarcoma Stromal	2
Hematopoietic System	
Lymph Node, Mesenteric	58
Leukemia Mononuclear	8
Spleen	58
Leukemia Mononuclear	16

* ..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: 92004-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: NTP 91/92 diet study
CAS Number: DIET9192

Date Report Requested: 10/20/2014
Time Report Requested: 18:17:56
First Dose M/F: NA / NA
Lab: NIEHS

DAY ON TEST

F 344/N Rat Female
91F

ANIMAL ID	*TOTALS
Thymus	39
Integumentary System	
Mammary Gland	26
Adenoma	1
Carcinoma	1
Fibroadenoma	20
Fibroadenoma, Multiple	5
Skin	2
Subcut Tiss, Fibroma	1
Musculoskeletal System	
NONE	
Nervous System	
NONE	
Respiratory System	
Lung	57
Alveolar/Bronchiolar Adenoma	1
Leukemia Mononuclear	7
Special Senses System	
Lacrimal Gland	1
Adenoma	1
Urinary 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: 92004-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: NTP 91/92 diet study
CAS Number: DIET9192

Date Report Requested: 10/20/2014
Time Report Requested: 18:17:56
First Dose M/F: NA / NA
Lab: NIEHS

DAY ON TEST

F 344/N Rat Female
91F

ANIMAL ID

*TOTALS

Kidney	58
Leukemia Mononuclear	4
Urinary Bladder	56
Leukemia Mononuclear	3
SYSTEMIC LESIONS	
Multiple Organ	58
Leukemia Mononuclear	16

* ..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: 92004-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 91/92 diet study

CAS Number: DIET9192

Date Report Requested: 10/20/2014

Time Report Requested: 18:17:56

First Dose M/F: NA / NA

Lab: NIEHS

F 344/N Rat Female 92F	DAY ON TEST																													
	0 7 1	0 7 6	0 7 9	0 7 9	0 5 1	0 7 7	0 7 1	0 7 7	0 7 7	0 7 7	0 7 7	0 7 7	0 7 7	0 5 7	0 7 7	0 6 6	0 7 6	0 6 7	0 7 3	0 7 8	0 6 8	0 7 6	0 7 6	0 7 1	0 7 9	0 7 9	0 6 0	0 7 4	0 6 8	
ANIMAL ID	0 0 2 4 1	0 0 2 4 2	0 0 2 4 3	0 0 2 4 4	0 0 2 4 5	0 0 2 4 4	0 0 2 4 4	0 0 2 4 4	0 0 2 4 4	0 0 2 4 5	0 0 2 4 5	0 0 2 4 5	0 0 2 4 5	0 0 2 4 5	0 0 2 4 5	0 0 2 4 5	0 0 2 4 5	0 0 2 4 5	0 0 2 4 5	0 0 2 4 5	0 0 2 4 5	0 0 2 4 5	0 0 2 4 5	0 0 2 4 5	0 0 2 4 5	0 0 2 4 5	0 0 2 4 5	0 0 2 4 5	0 0 2 4 5	
Pars Distalis, Adenoma	X			X	X								X		X	X		X		X	X		X	X	X	X	X	X	X	X
Pars Distalis, Leukemia Mononuclear	X																													
Thyroid Gland	+	+	+	+	+	+		+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	+	+
C Cell, Adenoma																														
C Cell, Carcinoma															X															
General Body System																														
NONE																														
Genital System																														
Clitoral Gland																														
Adenoma																														
Fibroma																														
Squamous Cell Papilloma																														
Ovary	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leiomyoma																														
Leukemia Mononuclear	X																													
Uterus	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endometrium, Polyp Stromal																														
Hematopoietic System																														
Lymph Node, Mesenteric	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear	X																													
Spleen	+	+	+	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..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: 92004-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 91/92 diet study

CAS Number: DIET9192

Date Report Requested: 10/20/2014

Time Report Requested: 18:17:57

First Dose M/F: NA / NA

Lab: NIEHS

F 344/N Rat Female 92F	DAY ON TEST																											
	0729	0729	0729	0674	0562	0677	0777	0577	0777	0272	0272	0665	0777	0777	0677	0777	0677	0777	0575	0777	0777	0777	0777	0777	0777	0777	0777	0777
ANIMAL ID	002772	002773	002774	002775	002776	002777	002778	002779	002780	002781	002782	002783	002784	002785	002786	002787	002788	002789	002790	002791	002792	002793	002794	002795	002796	002797	002798	002799
Pars Distalis, Adenoma		X			X	X	X		X	X	X		X	X	X				X									X
Pars Distalis, Leukemia Mononuclear																												
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
C Cell, Adenoma				X	X				X																			X
C Cell, Carcinoma																												
General Body System																												
NONE																												
Genital System																												
Clitoral Gland									+			+														+	+	+
Adenoma												X														X	X	
Fibroma																												
Squamous Cell Papilloma																												
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leiomyoma																												
Leukemia Mononuclear																												
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endometrium, Polyp Stromal																												
Hematopoietic System																												
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Leukemia Mononuclear				X																								
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

* ..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: 92004-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 91/92 diet study

CAS Number: DIET9192

Date Report Requested: 10/20/2014

Time Report Requested: 18:17:58

First Dose M/F: NA / NA

Lab: NIEHS

DAY ON TEST

F 344/N Rat Female
92F

ANIMAL ID

*TOTALS

Alimentary System

Intestine Large, Cecum	1
Liver	59
Hepatocellular Adenoma	1
Leukemia Mononuclear	12
Mesentery	2
Pancreas	57
Leukemia Mononuclear	2

Cardiovascular System

Heart	59
Leukemia Mononuclear	3

Endocrine System

Adrenal Cortex	59
Leukemia Mononuclear	3
Adrenal Medulla	58
Leukemia Mononuclear	2
Pheochromocytoma Benign	1
Islets, Pancreatic	57
Leukemia Mononuclear, Metastatic, Spleen	1
Parathyroid Gland	37
Pituitary Gland	57
Pars Distalis, Adenoma	27

* ..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: 92004-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 91/92 diet study

CAS Number: DIET9192

Date Report Requested: 10/20/2014

Time Report Requested: 18:17:58

First Dose M/F: NA / NA

Lab: NIEHS

DAY ON TEST

F 344/N Rat Female

92F

ANIMAL ID

*TOTALS

Pars Distalis, Leukemia Mononuclear	2
Thyroid Gland	56
C Cell, Adenoma	4
C Cell, Carcinoma	1
General Body System	
NONE	
Genital System	
Clitoral Gland	7
Adenoma	4
Fibroma	1
Squamous Cell Papilloma	2
Ovary	59
Leiomyoma	1
Leukemia Mononuclear	2
Uterus	59
Endometrium, Polyp Stromal	5
Hematopoietic System	
Lymph Node, Mesenteric	59
Leukemia Mononuclear	7
Spleen	59
Carcinoma, Metastatic, Tissue Nos	1
Hemangiosarcoma	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: 92004-01

Test Type: CHRONIC

Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

Test Compound: NTP 91/92 diet study

CAS Number: DIET9192

Date Report Requested: 10/20/2014

Time Report Requested: 18:17:58

First Dose M/F: NA / NA

Lab: NIEHS

DAY ON TEST

**F 344/N Rat Female
92F**

ANIMAL ID

***TOTALS**

Leukemia Mononuclear	13
Thymus	40
Leukemia Mononuclear	1
Integumentary System	
Mammary Gland	26
Adenocarcinoma	1
Fibroadenoma	18
Fibroadenoma, Multiple	4
Inguinal, Fibroadenoma	2
Skin	3
Subcut Tiss, Fibroma	1
Subcut Tiss, Fibrosarcoma	1
Musculoskeletal System	
NONE	
Nervous System	
Brain	1
Respiratory System	
Lung	59
Carcinoma, Metastatic, Tissue Nos	1
Leukemia Mononuclear	8
Special Senses 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: 92004-01
Test Type: CHRONIC
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: NTP 91/92 diet study
CAS Number: DIET9192

Date Report Requested: 10/20/2014
Time Report Requested: 18:17:58
First Dose M/F: NA / NA
Lab: NIEHS

DAY ON TEST

F 344/N Rat Female
92F

ANIMAL ID

*TOTALS

Eye	2
Urinary System	
Kidney	59
Leukemia Mononuclear	2
Sarcoma	1
Urinary Bladder	57
Leukemia Mononuclear	2
SYSTEMIC LESIONS	
Multiple Organ	59
Leukemia Mononuclear	13

** 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