

Experiment Number: 20212-01
Test Type: 18-33 DAYS
Route: INTRADUCTAL CANNULATION
Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Adenoviral vector (hGH)

CAS Number: HGH

Date Report Requested: 10/23/2014

Time Report Requested: 07:21:16

First Dose M/F: NA / NA

Lab: MBA

C Number:	C20212
Lock Date:	06/16/2004
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Male
PWG Approval Date	NONE

Experiment Number: 20212-01

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Test Compound: Adenoviral vector (hGH)

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Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male VEHICLE SALINE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	*TOTALS
		0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	2	2	2	2	2	2	2	
		3	3	3	3	9	9	9	9	9	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	3	3	3	
		0	0	0	0	0	0	1	1	1	0	0	
		1	5	6	7	8	9	0	1	2	3	4	

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	12
Liver	+	+	+	+	+	+	+	+	+	+	+	+	12
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	12
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	12
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	12
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	12

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	12
Heart	+	+	+	+	+	+	+	+	+	+	+	+	12

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	12
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	12
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	12
Parathyroid Gland	+	+	+	+	+	M	+	+	+	+	+	+	11

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 20212-01

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/23/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 07:21:16

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male VEHICLE SALINE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	*TOTALS
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	2	2	2	2	2	2	2	
		3	3	3	3	9	9	9	9	9	9	9	
		0	0	0	0	0	0	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	
		0	0	0	0	0	0	1	1	0	0	0	
		1	5	6	7	8	9	0	1	2	3	4	
Pituitary Gland		+	+	+	+	+	+	+	+	+	+	+	12
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	+	12
General Body System													
NONE													
Genital System													
Epididymis		+	+	+	+	+	+	+	+	+	+	+	12
Preputial Gland		+	+	+	M	+	M	+	+	+	+	+	10
Prostate		+	+	+	+	+	+	+	+	+	+	+	12
Seminal Vesicle		+	+	+	+	+	+	+	+	+	+	+	12
Testes		+	+	+	+	+	+	+	+	+	+	+	12
Hematopoietic System													
Bone Marrow		+	+	+	+	+	+	+	+	+	+	+	12
Lymph Node, Mandibular		M	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	+	12
Spleen		+	+	+	+	+	+	+	+	+	+	+	12
Thymus		+	+	+	+	+	+	+	+	+	+	+	12
Integumentary System													
Mammary Gland		+	M	+	+	+	+	+	+	+	+	+	11
Skin		+	+	+	+	+	+	+	+	+	+	+	12
Musculoskeletal System													

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 20212-01

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/23/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 07:21:16

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
VEHICLE SALINE

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	*TOTALS
	0	0	0	0	2	2	2	2	2	2	2	2	
ANIMAL ID	3	3	3	3	9	9	9	9	9	9	9	9	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	3	3	3	
	0	0	0	0	0	0	1	1	1	0	0	0	
Bone	+	+	+	+	+	+	+	+	+	+	+	+	12
Nervous System													
Brain	+	+	+	+	+	+	+	+	+	+	+	+	12
Respiratory System													
Lung	+	+	+	+	+	+	+	+	+	+	+	+	12
Nose	+	+	+	+	+	+	+	+	+	+	+	+	12
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	12
Special Senses System													
Eye	+	I	+	+	+	+	+	+	+	+	+	+	11
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Urinary System													
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	12
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	12
SYSTEMIC LESIONS													
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	12

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

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

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Time Report Requested: 07:21:16

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
VEHICLE HCQ

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	2	2	0	0	2	2	2	2	2	2
	3	3	9	9	3	3	9	9	9	9	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	3
	1	1	1	1	1	1	2	2	2	2	2	1
	3	4	6	7	8	9	0	1	2	3	4	5
	*TOTALS											

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	12
Liver	+	+	+	+	+	+	+	+	+	+	+	+	12
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	12
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	12
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	12
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	12

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	12
Heart	+	+	+	+	+	+	+	+	+	+	+	+	12

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	12
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	12
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	12
Parathyroid Gland	+	+	+	+	+	+	M	M	+	M	M	M	7

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 20212-01

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/23/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 07:21:16

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male VEHICLE HCQ	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	*TOTALS
	ANIMAL ID	0	0	2	2	0	0	2	2	2	2	2	
		3	3	9	9	3	3	9	9	9	9	9	
		0	0	0	0	0	0	0	0	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	
		1	1	1	1	1	1	1	1	2	2	2	
		3	4	6	7	8	9	2	1	2	3	4	5
Pituitary Gland		+	+	+	+	+	+	+	+	I	+	+	11
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	+	12
General Body System													
NONE													
Genital System													
Epididymis		+	+	+	+	+	+	+	+	+	+	+	12
Preputial Gland		+	+	+	M	+	M	+	+	+	+	+	10
Prostate		+	+	+	+	+	+	+	+	+	+	+	12
Seminal Vesicle		+	+	+	+	+	+	+	+	+	+	+	12
Testes		+	+	+	+	+	+	+	+	+	+	+	12
Hematopoietic System													
Bone Marrow		+	+	+	+	+	+	+	+	+	+	+	12
Lymph Node, Mandibular		M	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric		+	+	+	+	+	+	+	+	+	+	+	12
Spleen		+	+	+	+	+	+	+	+	+	+	+	12
Thymus		+	+	+	+	+	+	+	+	+	+	+	12
Integumentary System													
Mammary Gland		+	+	+	+	+	+	M	+	+	+	I	10
Skin		+	+	+	+	+	+	+	+	+	+	+	12
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: 20212-01

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/23/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 07:21:17

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
VEHICLE HCQ

	DAY ON TEST												*TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	2	2	0	0	2	2	2	2	2	2	
	3	3	9	9	3	3	9	9	9	9	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	3	
	1	1	1	1	1	1	1	1	2	2	2	1	
	3	4	6	7	8	9	2	1	2	3	4	5	
Bone	+	+	+	+	+	+	+	+	+	+	+	+	12
Nervous System													
Brain	+	+	+	+	+	+	+	+	+	+	+	+	12
Respiratory System													
Lung	+	+	+	+	+	+	+	+	+	+	+	+	12
Nose	+	+	+	+	+	+	+	+	+	+	+	+	12
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	12
Special Senses System													
Eye	+	I	I	+	+	+	+	+	+	+	+	+	10
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Urinary System													
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	12
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	12
SYSTEMIC LESIONS													
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	12

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

M ..Missing tissue

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A ..Autolysis precludes evaluation

X ..Lesion present

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I ..Insufficient tissue

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Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 07:21:17

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
6.0 E9 SALINE

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	2	2	2	2	2	2	2	2
	3	3	3	3	9	9	9	9	9	9	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	3	3	3	3
	2	2	3	3	3	3	3	3	3	2	2	2
	8	9	0	1	2	3	4	5	6	5	6	7
	*TOTALS											

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	12
Liver	+	+	+	+	+	+	+	+	+	+	+	+	12
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	12
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	12
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	12
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	12

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	12
Heart	+	+	+	+	+	+	+	+	+	+	+	+	12

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	12
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	12
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	12
Parathyroid Gland	+	+	+	+	+	+	M	M	+	+	M	M	8

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 20212-01

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Time Report Requested: 07:21:17

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
6.0 E9 SALINE

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	2	2	2	2	2	2	2	2	
	3	3	3	3	9	9	9	9	9	9	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	3	3	3	
	2	2	3	3	3	3	3	3	3	2	2	2	
	8	9	0	1	2	3	4	5	6	5	6	7	
	*TOTALS												
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	I	+	11
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
General Body System													
NONE													
Genital System													
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	12
Preputial Gland	+	M	+	+	+	+	+	+	+	+	+	+	11
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	12
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	12
Testes	+	+	+	+	+	+	+	+	+	+	+	+	12
Hematopoietic System													
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	12
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	12
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	12
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	12
Integumentary System													
Mammary Gland	+	+	+	+	I	+	+	+	+	+	+	+	11
Skin	+	+	+	+	+	+	+	+	+	+	+	+	12
Musculoskeletal System													

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

M ..Missing tissue

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A ..Autolysis precludes evaluation

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Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 07:21:17

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
6.0 E9 SALINE

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	*TOTALS
	0	0	0	0	2	2	2	2	2	2	2	2	
ANIMAL ID	3	3	3	3	9	9	9	9	9	9	9	9	
	0	0	0	0	0	0	0	0	0	0	0	0	
Bone	+	+	+	+	+	+	+	+	+	+	+	+	12
Nervous System													
Brain	+	+	+	+	+	+	+	+	+	+	+	+	12
Respiratory System													
Lung	+	+	+	+	+	+	+	+	+	+	+	+	12
Nose	+	+	+	+	+	+	+	+	+	+	+	+	12
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	12
Special Senses System													
Eye	+	I	+	+	+	+	+	+	+	+	+	+	11
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Urinary System													
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	12
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	12
SYSTEMIC LESIONS													
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	12

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 20212-01

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/23/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 07:21:17

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
1.5 E11 HCQ

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	2	2	2	0	0	2	2	2	2	2
	3	3	9	9	9	3	3	9	9	9	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
	3	3	3	4	4	4	4	4	4	4	4	4
	7	8	9	0	1	2	3	4	5	6	7	8
	*TOTALS											

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	12
Liver	+	+	+	+	+	+	+	+	+	+	+	+	12
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	12
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	12
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	12
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	12

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	12
Heart	+	+	+	+	+	+	+	+	+	+	+	+	12

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	12
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	12
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	12
Parathyroid Gland	+	+	+	+	+	+	M	+	+	+	+	+	11

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 20212-01

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/23/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 07:21:17

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
1.5 E11 HCQ

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	*TOTALS
	0	0	2	2	2	0	0	2	2	2	2	2	
ANIMAL ID	3	3	9	9	9	3	3	9	9	9	9	9	
	0	0	0	0	0	0	0	0	0	0	0	0	
Bone	+	+	+	+	+	+	+	+	+	+	+	+	12
Nervous System													
Brain	+	+	+	+	+	+	+	+	+	+	+	+	12
Respiratory System													
Lung	+	+	+	+	+	+	+	+	+	+	+	+	12
Nose	+	+	+	+	+	+	+	+	+	+	+	+	12
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	12
Special Senses System													
Eye	I	+	+	+	+	+	+	+	+	+	+	+	11
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Urinary System													
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	12
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	12
SYSTEMIC LESIONS													
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	12

* ..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: 20212-01

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/23/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 07:21:17

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
6.0 E9 HCQ

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	2	2	2	0	0	2	2	2	2	2
	3	3	9	9	9	3	3	9	9	9	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
	4	5	5	5	5	5	5	5	5	5	5	6
	9	0	1	2	3	4	5	6	7	8	9	0
	*TOTALS											

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	12
Liver	+	+	+	+	+	+	+	+	+	+	+	+	12
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	12
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	12
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	12
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	12

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	12
Heart	+	+	+	+	+	+	+	+	+	+	+	+	12

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	12
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	12
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	12
Parathyroid Gland	+	I	M	+	+	+	+	+	+	+	+	+	10

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 20212-01

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/23/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 07:21:17

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
6.0 E9 HCQ

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
ANIMAL ID	0	0	2	2	2	0	0	2	2	2	2	2
	3	3	9	9	9	3	3	9	9	9	9	9
	0	0	0	0	0	0	0	0	0	0	0	0
	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	5	5	5	5	5	5	5	5	5	5	6
	9	0	1	2	3	4	5	6	7	8	9	0
	*TOTALS											
Pituitary Gland	I	+	+	+	+	+	+	+	+	+	+	+
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+
General Body System												
NONE												
Genital System												
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+
Preputial Gland	+	M	+	M	+	M	+	+	+	+	+	+
Prostate	+	+	+	+	+	+	+	+	+	+	+	+
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+
Testes	+	+	+	+	+	+	+	+	+	+	+	+
Hematopoietic System												
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+
Thymus	+	+	+	+	+	+	+	+	+	+	+	+
Integumentary System												
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+
Skin	+	+	+	+	+	+	+	+	+	+	+	+
Musculoskeletal System												

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 20212-01

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/23/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 07:21:17

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
6.0 E9 HCQ

	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	2	2	2	0	0	2	2	2	2	2	
	3	3	9	9	9	3	3	9	9	9	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	
	4	5	5	5	5	5	5	5	5	5	5	6	
	9	0	1	2	3	4	5	6	7	8	9	0	*TOTALS
Bone	+	+	+	+	+	+	+	+	+	+	+	+	12
Nervous System													
Brain	+	+	+	+	+	+	+	+	+	+	+	+	12
Respiratory System													
Lung	+	+	+	+	+	+	+	+	+	+	+	+	12
Nose	+	+	+	+	+	+	+	+	+	+	+	+	12
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	12
Special Senses System													
Eye	I	I	+	+	+	+	+	+	+	I	+	+	9
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Urinary System													
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	12
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	12
SYSTEMIC LESIONS													
Multiple Organ	+	+	+	+	+	+	+	+	+	+	+	+	12

* ..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: 20212-01

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/23/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 07:21:17

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
2.4 E8 HCQ

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	2	2	2	2	2	2	2	2
	3	3	2	3	9	9	9	9	9	9	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	3	3	3	3
	6	6	6	6	6	6	7	7	7	6	6	6
	1	5	6	7	8	9	0	1	2	2	3	4
	*TOTALS											

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Cecum	+	+	+	+	+	+	+	A	+	+	+	+	11
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	12
Liver	+	+	+	+	+	+	+	+	+	+	+	+	12
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	12
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	12
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	12
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	12

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	12
Heart	+	+	+	+	+	+	+	+	+	+	+	+	12

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	12
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	12
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	12
Parathyroid Gland	+	+	M	+	+	+	M	+	M	M	M	M	6

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 20212-01

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/23/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 07:21:17

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
2.4 E8 HCQ

DAY ON TEST	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	*TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	0	0	0	0		
	0	0	0	0	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0		
	3	3	2	3	9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	3	3	3	6		
	1	5	6	7	8	9	0	1	2	2	3	4													
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+											12		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+											12		
General Body System																									
NONE																									
Genital System																									
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+											12		
Preputial Gland	+	M	+	+	+	+	+	+	+	+	+	+											11		
Prostate	+	+	+	+	+	+	+	+	+	+	+	+											12		
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+											12		
Testes	+	+	+	+	+	+	+	+	+	+	+	+											12		
Hematopoietic System																									
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+											12		
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M											0		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+											12		
Spleen	+	+	+	+	+	+	+	+	+	+	+	+											12		
Thymus	+	+	+	+	+	+	+	+	+	+	+	+											12		
Integumentary System																									
Mammary Gland	+	+	+	+	+	+	+	+	M	+	+	+											11		
Skin	+	+	+	+	+	+	+	+	+	+	+	+											12		
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: 20212-01

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/23/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 07:21:17

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Male
2.4 E8 HCQ

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	*TOTALS
	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	
	3	3	2	3	2	2	2	2	2	2	2	2	
Bone	0	0	0	0	0	0	0	0	0	0	0	0	12
Nervous System	0	0	0	0	0	0	0	0	0	0	0	0	
Brain	0	0	0	0	0	0	0	0	0	0	0	0	12
Respiratory System	0	0	0	0	0	0	0	0	0	0	0	0	
Lung	0	0	0	0	0	0	0	0	0	0	0	0	12
Nose	0	0	0	0	0	0	0	0	0	0	0	0	12
Trachea	0	0	0	0	0	0	0	0	0	0	0	0	12
Special Senses System	0	0	0	0	0	0	0	0	0	0	0	0	
Ear	0	0	0	0	0	0	0	0	0	0	0	0	1
Eye	0	0	0	0	0	0	0	0	0	0	0	0	8
Harderian Gland	0	0	0	0	0	0	0	0	0	0	0	0	12
Urinary System	0	0	0	0	0	0	0	0	0	0	0	0	
Kidney	0	0	0	0	0	0	0	0	0	0	0	0	12
Urinary Bladder	0	0	0	0	0	0	0	0	0	0	0	0	12
SYSTEMIC LESIONS	0	0	0	0	0	0	0	0	0	0	0	0	
Multiple Organ	0	0	0	0	0	0	0	0	0	0	0	0	12

END OF MALE DATA

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

Experiment Number: 20212-01
Test Type: 18-33 DAYS
Route: INTRADUCTAL CANNULATION
Species/Strain: Rat/F 344/N

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Adenoviral vector (hGH)
CAS Number: HGH

Date Report Requested: 10/23/2014
Time Report Requested: 07:21:17
First Dose M/F: NA / NA
Lab: MBA

**** 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