

**Experiment Number:** 20212-02  
**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:** 10/16/2014

**Time Report Requested:** 17:34:52

**First Dose M/F:** NA / NA

**Lab:** MBA

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

Experiment Number: 20212-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/16/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 17:34:52

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Female 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	2	2	2	0	0	2	2	2	2		
		3	3	9	9	9	3	3	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		
		7	7	7	7	7	7	8	8	8	8	8		
		3	4	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	I	+	+	M	+	+	I	+	+	+	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: 20212-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/16/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 17:34:52

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Female VEHICLE SALINE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	*TOTALS
	ANIMAL ID	0	0	2	2	2	0	0	2	2	2	2	
		3	3	9	9	9	3	3	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	
		7	7	7	7	7	7	7	8	8	8	8	
		3	4	5	6	7	8	9	0	1	2	3	4
Pituitary Gland		+	+	+	+	+	+	I	+	+	+	+	11
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	+	12
<b>General Body System</b>													
NONE													
<b>Genital System</b>													
Clitoral Gland		+	+	+	+	+	+	+	+	+	+	+	12
Ovary		+	+	+	+	+	+	+	+	+	+	+	12
Uterus		+	+	+	+	+	+	+	+	+	+	+	12
<b>Hematopoietic System</b>													
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
<b>Integumentary System</b>													
Mammary Gland		+	+	+	+	+	+	+	+	+	+	+	12
Skin		+	+	+	+	+	+	+	+	+	+	+	12
<b>Musculoskeletal System</b>													
Bone		+	+	+	+	+	+	+	+	+	+	+	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: 20212-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/16/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 17:34:52

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

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

**Nervous System**

Brain + + + + + + + + + + + + 12

**Respiratory System**

Lung + + + + + + + + + + + + 12

Nose + + + + + + + + + + + + 12

Trachea + + + + + + + + + + + + 12

**Special Senses System**

Eye + + + + + + + + + + + + 12

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: 20212-02  
 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: 10/16/2014  
 Time Report Requested: 17:34:52  
 First Dose M/F: NA / NA  
 Lab: MBA

**F 344/N Rat Female  
 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	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
	8	8	8	8	8	9	9	9	9	9	9	9
	5	6	7	8	9	0	1	2	3	4	5	6
	<b>*TOTALS</b>											

**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
Mesentery			+										1
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

\* ..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: 20212-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/16/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 17:34:52

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Female VEHICLE HCQ	DAY ON TEST												*TOTALS
	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	
	8	8	8	8	8	9	9	9	9	9	9	9	
	5	6	7	8	8	9	0	1	2	3	4	5	
Parathyroid Gland	+	M	+	+	+	M	+	+	+	+	+	+	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	
<b>General Body System</b>													
NONE													
<b>Genital System</b>													
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	
<b>Hematopoietic System</b>													
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	
<b>Integumentary System</b>													
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	
<b>Musculoskeletal System</b>													
Bone	+	+	+	+	+	+	+	+	+	+	+	+	

\* ..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: 20212-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/16/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 17:34:52

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

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

**Nervous System**

Brain + + + + + + + + + + + + 12

**Respiratory System**

Lung + + + + + + + + + + + + 12

Nose + + + + + + + + + + + + 12

Trachea + + + + + + + + + + + + 12

**Special Senses System**

Eye + + + + + + + + + + + + 12

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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Experiment Number: 20212-02  
 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: 10/16/2014  
 Time Report Requested: 17:34:53  
 First Dose M/F: NA / NA  
 Lab: MBA

**F 344/N Rat Female  
 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	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	1	1	1	1	1	1	1	1	4
	9	9	9	0	0	0	0	0	0	0	0	0
	7	8	9	0	1	2	3	5	6	7	8	4
	*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	+	+	+	+	+	+	+	+	+	+	+	+	12

\* ..Total animals with tissue examined microscopically; Total animals with tumor  
 + ..Tissue examined microscopically  
 X ..Lesion present  
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Experiment Number: 20212-02

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Date Report Requested: 10/16/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 17:34:53

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Female  
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	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	1	1	1	1	1	1	1	1	4	
	9	9	9	0	0	0	0	0	0	0	0	0	
	7	8	9	0	1	2	3	5	6	7	8	4	*TOTALS
Pituitary Gland	+	+	I	+	+	I	I	+	+	+	I	+	8
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
<b>General Body System</b>													
NONE													
<b>Genital System</b>													
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	12
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	12
<b>Hematopoietic System</b>													
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
<b>Integumentary System</b>													
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Skin	+	+	+	+	+	+	+	+	+	+	+	+	12
<b>Musculoskeletal System</b>													
Bone	+	+	+	+	+	+	+	+	+	+	+	+	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  
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Experiment Number: 20212-02  
 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: 10/16/2014  
 Time Report Requested: 17:34:53  
 First Dose M/F: NA / NA  
 Lab: MBA

**F 344/N Rat Female  
 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	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	1	1	1	1	1	1	1	1	4
	9	9	9	0	0	0	0	0	0	0	0	0
	7	8	9	0	1	2	3	5	6	7	8	4
	<b>*TOTALS</b>											

**Nervous System**

Brain + + + + + + + + + + + + 12

**Respiratory System**

Lung + + + + + + + + + + + + 12

Nose + + + + + + + + + + + + 12

Trachea + + + + + + + + + + + + 12

**Special Senses System**

Eye + + + + + + + + + | | | 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: 20212-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/16/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 17:34:53

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Female 1.5 E11 HCQ	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	2	2	2	0	0	2	2	2	2	
		3	3	9	9	9	3	3	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	
		1	1	1	1	1	1	1	1	1	1	1	
		0	1	1	1	1	1	1	1	1	1	2	
		9	0	1	2	3	4	5	6	7	8	9	

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Ileum	A	+	+	+	+	+	+	+	+	+	+	+	11
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	A	+	+	+	11
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	+	+	9

\* ..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: 20212-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/16/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 17:34:53

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Female  
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	
	1	1	1	1	1	1	1	1	1	1	1	1	
	0	1	1	1	1	1	1	1	1	1	1	2	
	9	0	1	2	3	4	5	6	7	8	9	0	*TOTALS
Pituitary Gland	+	I	+	+	+	+	+	+	+	+	+	I	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
<b>General Body System</b>													
NONE													
<b>Genital System</b>													
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	12
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	12
<b>Hematopoietic System</b>													
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	12
Lymph Node	+												1
Lymph Node, Mandibular	M	M	M	M	M	M	M	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	12
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	12
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	12
<b>Integumentary System</b>													
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Skin	+	+	+	+	+	+	+	+	+	+	+	+	12
<b>Musculoskeletal System</b>													
Bone	+	+	+	+	+	+	+	+	+	+	+	+	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: 20212-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/16/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 17:34:53

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

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

**Nervous System**

Brain + + + + + + + + + + + + 12

**Respiratory System**

Lung + + + + + + + + + + + + 12

Nose + + + + + + + + + + + + 12

Trachea + + + + + + + + + + + + 12

**Special Senses System**

Eye + + | + + + + + + + + + + 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: 20212-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/16/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 17:34:53

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

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

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	12
Intestine Small, Ileum	+	A	+	+	+	+	+	+	+	+	+	+	11
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	A	+	+	11
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: 20212-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/16/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 17:34:53

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Female  
6.0 E9 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	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
<b>General Body System</b>													
NONE													
<b>Genital System</b>													
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	12
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	12
<b>Hematopoietic System</b>													
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	12
Lymph Node, Mandibular	M	M	M	M	M	+	M	M	M	M	M	M	1
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	12
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	12
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	12
<b>Integumentary System</b>													
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Skin	+	+	+	+	+	+	+	+	+	+	+	+	12
<b>Musculoskeletal System</b>													
Bone	+	+	+	+	+	+	+	+	+	+	+	+	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: 20212-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/16/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 17:34:53

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

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

**Nervous System**

Brain + + + + + + + + + + + + 12

**Respiratory System**

Lung + + + + + + + + + + + + 12

Nose + + + + + + + + + + + + 12

Trachea + + + + + + + + + + + + 12

**Special Senses System**

Eye + + + + + + + | + | + | 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: 20212-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/16/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 17:34:53

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Female 2.4 E8 HCQ	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	2	2	2	0	0	2	2	2	2		
		3	3	9	9	9	3	3	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		
		1	1	1	1	1	1	1	1	1	1	1		
		3	3	3	3	3	3	4	4	4	4	4		
		3	4	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	+	A	+	+	+	+	+	+	+	+	+	+	11
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	+	+	+	+	+	+	+	+	+	+	+	+	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: 20212-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/16/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 17:34:53

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

F 344/N Rat Female  
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	2	2	2	0	0	2	2	2	2	2	
	3	3	9	9	9	3	3	9	9	9	9	9	
Pituitary Gland	0	0	0	0	0	0	0	0	0	0	0	0	12
Thyroid Gland	0	0	0	0	0	0	0	0	0	0	0	0	12
<b>General Body System</b>	1	1	1	1	1	1	1	1	1	1	1	1	
NONE	3	3	3	3	3	3	3	4	4	4	4	4	
<b>Genital System</b>	3	4	5	6	7	8	9	0	1	2	3	4	
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	12
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	12
<b>Hematopoietic System</b>													
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
<b>Integumentary System</b>													
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Skin	+	+	+	+	+	+	+	+	+	+	+	+	12
<b>Musculoskeletal System</b>													
Bone	+	+	+	+	+	+	+	+	+	+	+	+	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: 20212-02

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Date Report Requested: 10/16/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 17:34:53

Route: INTRADUCTAL CANNULATION

CAS Number: HGH

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: MBA

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

**Nervous System**

Brain + + + + + + + + + + + + 12

**Respiratory System**

Lung + + + + + + + + + + + + 12

Nose + + + + + + + + + + + + 12

Trachea + + + + + + + + + + + + 12

**Special Senses System**

Eye + + + + + + + + + + + + 12

Harderian Gland + + + + + + + + + + + + 12

**Urinary System**

Kidney + + + + + + + + + + + + 12

Urinary Bladder + + + + + + + + + + + + 12

**SYSTEMIC LESIONS**

Multiple Organ + + + + + + + + + + + + 12

\*\* END OF REPORT \*\*

\* ..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