

Experiment Number: 20212-02
Test Type: 18-33 DAYS
Route: INTRADUCTAL CANNULATION
Species/Strain: Rat/F 344/N

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: Adenoviral vector (hGH)

CAS Number: HGH

Date Report Requested: 10/16/2014

Time Report Requested: 17:34:39

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:	Female
PWG Approval Date	NONE

Experiment Number: 20212-02
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

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 First Dose M/F: NA / NA
 Lab: MBA

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

* ..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

P17: 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: 17:34:39

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	0	0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	0	0	0	
		9	9	9	9	9	9	9	9	3	3	3	
		0	0	0	0	0	0	0	0	0	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	8	8	8	8	7	7	7	7	
		5	6	7	0	1	2	3	4	3	4	8	
Pituitary Gland		+	+	+	+	+	+	+	+	+	+	I	11
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	+	12
General Body System													
NONE													
Genital System													
Clitoral Gland		+	+	+	+	+	+	+	+	+	+	+	12
Ovary		+	+	+	+	+	+	+	+	+	+	+	12
Uterus		+	+	+	+	+	+	+	+	+	+	+	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		+	+	+	+	+	+	+	+	+	+	+	12
Skin		+	+	+	+	+	+	+	+	+	+	+	12
Musculoskeletal System													
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
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 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Adenoviral vector (hGH)
 CAS Number: HGH

Date Report Requested: 10/16/2014
 Time Report Requested: 17:34:39
 First Dose M/F: NA / NA
 Lab: MBA

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue

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P17: 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: 17:34:39

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	*TOTALS
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	
		2	2	2	2	2	2	2	2	0	0	0	
		9	9	9	9	9	9	9	9	3	3	3	
		0	0	0	0	0	0	0	0	0	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	9	9	9	9	8	8	9	
		7	8	9	2	3	4	5	6	5	6	9	1
Parathyroid Gland		+	+	+	+	+	+	+	+	M	M	+	10
Pituitary Gland		+	+	+	+	+	+	+	+	+	+	+	12
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	+	12
General Body System													
NONE													
Genital System													
Clitoral Gland		+	+	+	+	+	+	+	+	+	+	+	12
Ovary		+	+	+	+	+	+	+	+	+	+	+	12
Uterus		+	+	+	+	+	+	+	+	+	+	+	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		+	+	+	+	+	+	+	+	+	+	+	12
Skin		+	+	+	+	+	+	+	+	+	+	+	12
Musculoskeletal System													
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
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Adenoviral vector (hGH)
 CAS Number: HGH

Date Report Requested: 10/16/2014
 Time Report Requested: 17:34:40
 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
	2	2	2	2	2	2	2	2	0	0	0	0
	9	9	9	9	9	9	9	9	3	3	3	3
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	9	9	9	9	9	8	8	9	9
	7	8	9	2	3	4	5	6	5	6	9	1
	*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

M ..Missing tissue
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Date Report Requested: 10/16/2014

Test Type: 18-33 DAYS

Test Compound: Adenoviral vector (hGH)

Time Report Requested: 17:34:40

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

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P17: 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: 17:34:40

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	*TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	2	2	2	2	2	2	2	2	0	0	0	0	
	9	9	9	9	9	9	9	9	3	3	3	3	
Pituitary Gland	0	0	0	0	0	0	0	0	0	0	0	0	8
Thyroid Gland	0	0	0	0	0	0	0	0	0	0	0	0	12
General Body System													
NONE													
Genital System													
Clitoral Gland	0	1	1	1	1	1	1	4	0	0	1	1	12
Ovary	9	0	0	0	0	0	0	0	9	9	0	0	12
Uterus	9	0	1	5	6	7	8	4	7	8	2	3	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	+	+	+	+	+	+	+	+	+	+	+	+	12
Skin	+	+	+	+	+	+	+	+	+	+	+	+	12
Musculoskeletal System													
Bone	+	+	+	+	+	+	+	+	+	+	+	+	12

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

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

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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 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
	2	2	2	2	2	2	2	2	0	0	0	0
	9	9	9	9	9	9	9	9	3	3	3	3
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
	1	1	1	1	1	1	1	2	0	1	1	1
	1	2	3	6	7	8	9	0	9	0	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	+	+	+	+	+	+	+	+	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

P17: 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: 17:34:40

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	
	ANIMAL ID	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		
		9	9	9	9	9	9	9	3	3	3	3		
		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	1	1	1	1	1	1	1	1	1	1		
		1	1	1	1	1	1	1	2	0	1	1		
		1	2	3	6	7	8	9	0	9	0	4	5	
Pituitary Gland		+	+	+	+	+	+	+	I	+	I	+	+	10
Thyroid Gland		+	+	+	+	+	+	+	+	+	+	+	+	12
General Body System														
NONE														
Genital System														
Clitoral Gland		+	+	+	+	+	+	+	+	+	+	+	+	12
Ovary		+	+	+	+	+	+	+	+	+	+	+	+	12
Uterus		+	+	+	+	+	+	+	+	+	+	+	+	12
Hematopoietic System														
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
Integumentary System														
Mammary Gland		+	+	+	+	+	+	+	+	+	+	+	+	12
Skin		+	+	+	+	+	+	+	+	+	+	+	+	12
Musculoskeletal System														
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
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Adenoviral vector (hGH)
 CAS Number: HGH

Date Report Requested: 10/16/2014
 Time Report Requested: 17:34:40
 First Dose M/F: NA / NA
 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
	2	2	2	2	2	2	2	2	0	0	0	0
	9	9	9	9	9	9	9	9	3	3	3	3
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
	1	1	1	1	1	1	1	2	0	1	1	1
	1	2	3	6	7	8	9	0	9	0	4	5
	*TOTALS											

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: 20212-02
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Adenoviral vector (hGH)
 CAS Number: HGH

Date Report Requested: 10/16/2014
 Time Report Requested: 17:34:40
 First Dose M/F: NA / NA
 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
	2	2	2	2	2	2	2	2	0	0	0	0
	9	9	9	9	9	9	9	9	3	3	3	3
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	3	3	3	2	2	2	2
	3	4	5	8	9	0	1	2	1	2	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	+	+	+	+	+	+	+	+	+	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
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

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

Experiment Number: 20212-02

P17: 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: 17:34:40

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	0	0	0	0	0	0	0	0	0	0	
	2	2	2	2	2	2	2	2	0	0	0	0	
	9	9	9	9	9	9	9	9	3	3	3	3	
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	3	3	3	2	2	2	2	
	3	4	5	8	9	0	1	2	1	2	6	7	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
General Body System													
NONE													
Genital System													
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	12
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	12
Hematopoietic System													
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
Integumentary System													
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Skin	+	+	+	+	+	+	+	+	+	+	+	+	12
Musculoskeletal System													
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
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Adenoviral vector (hGH)
 CAS Number: HGH

Date Report Requested: 10/16/2014
 Time Report Requested: 17:34:40
 First Dose M/F: NA / NA
 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
	2	2	2	2	2	2	2	2	0	0	0	0
	9	9	9	9	9	9	9	9	3	3	3	3
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	3	3	3	2	2	2	2
	3	4	5	8	9	0	1	2	1	2	6	7
	*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
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Adenoviral vector (hGH)
 CAS Number: HGH

Date Report Requested: 10/16/2014
 Time Report Requested: 17:34:40
 First Dose M/F: NA / NA
 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
	2	2	2	2	2	2	2	2	0	0	0	0
	9	9	9	9	9	9	9	9	3	3	3	3
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	4	4	4	4	4	3	3	3	3
	5	6	7	0	1	2	3	4	3	4	8	9
	*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	+	+	+	+	+	+	+	+	+	+	+	+	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
 I ..Insufficient tissue

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

Experiment Number: 20212-02

P17: 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: 17:34:40

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	ANIMAL ID												*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	
	2	2	2	2	2	2	2	2	0	0	0	0	
	9	9	9	9	9	9	9	9	3	3	3	3	
	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	4	4	4	4	4	3	3	3	3	
	5	6	7	0	1	2	3	4	3	4	8	9	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
General Body System													
NONE													
Genital System													
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	12
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	12
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	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	+	+	+	+	+	+	+	+	+	+	+	+	12
Skin	+	+	+	+	+	+	+	+	+	+	+	+	12
Musculoskeletal System													
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
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Rat/F 344/N

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)
 Test Compound: Adenoviral vector (hGH)
 CAS Number: HGH

Date Report Requested: 10/16/2014
 Time Report Requested: 17:34:40
 First Dose M/F: NA / NA
 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
	2	2	2	2	2	2	2	2	0	0	0	0
	9	9	9	9	9	9	9	9	3	3	3	3
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	4	4	4	4	4	3	3	3	3
	5	6	7	0	1	2	3	4	3	4	8	9
	*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
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

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