

Experiment Number: 20305-01
Test Type: 18-33 DAYS
Route: INTRADUCTAL CANNULATION
Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
Test Compound: Adeno-associated viral vector (hEPO)
CAS Number: HEPO

Date Report Requested: 10/23/2014
Time Report Requested: 09:07:42
First Dose M/F: NA / NA
Lab: MBA

C Number:	C20305
Lock Date:	08/29/2005
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: 20305-01

Test Type: 18-33 DAYS

Route: INTRADUCTAL CANNULATION

Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Adeno-associated viral vector (hEPO)

CAS Number: HEPO

Date Report Requested: 10/23/2014

Time Report Requested: 09:07:42

First Dose M/F: NA / NA

Lab: MBA

**BALB/C Mouse Male
ISORMCONSALINE**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	3	3	3	0	3	3	5	5	5	1	9	9	5	5	9	9	9	
	2	2	3	0	0	0	3	3	0	5	5	5	7	2	2	5	5	2	2	1	
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	1	1	1	1	1	1	1	1	1	1	2	2	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	

*TOTALS

Alimentary System

Esophagus	+	M	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	19
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	19
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	20
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	20
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	20
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	20
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	20
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Hepatocyte, Vacuolization Cytoplasmic											2				2		2					3 2.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Parotid Gl, Right, Vacuolization Cytoplasmic							1															1 1.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Mineralization									1					1			1	2				4 1.3

Endocrine System

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue

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

1-4 ..Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20305-01

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/23/2014

Test Type: 18-33 DAYS

Test Compound: Adeno-associated viral vector (hEPO)

Time Report Requested: 09:07:42

Route: INTRADUCTAL CANNULATION

CAS Number: HEPO

First Dose M/F: NA / NA

Species/Strain: Mouse/BALB/C

Lab: MBA

BALB/C Mouse Male ISORMCONSALINE	DAY ON TEST	0	0	0	0	0	0	0	0	0	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			
Adrenal Cortex	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	21		
Subcapsular, Hyperplasia, Focal																						1	1.0	
Adrenal Medulla																						21		
Islets, Pancreatic																				I		20		
Parathyroid Gland		M			M	M	M		M	M				M				M	M	M		11		
Pituitary Gland											I	I										17		
Thyroid Gland														M								20		
General Body System																								
NONE																								
Genital System																								
Epididymis																						21		
Penis																						1		
Preputial Gland																						21		
Prostate																						21		
Inflammation, Chronic Active, Focal																						2	1	2.0
Seminal Vesicle																						21		
Testes																						21		
Hematopoietic System																								
Bone Marrow																						21		
Lymph Node, Mandibular		M									I											17		
Lymph Node, Mesenteric														A								20		

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:42
 First Dose M/F: NA / NA
 Lab: MBA

BALB/C Mouse Male ISORMCONSALINE	DAY ON TEST	0	0	0	0	0	0	0	0	0	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		
Hyperplasia, Lymphoid		2																				1	2.0
Spleen		+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	20	
Hematopoietic Cell Proliferation		1	2	1	1	1	1	1	1	1	2	1	1		1	2	1	1	2	2	1	20	1.3
Thymus		+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	20	
Integumentary System																							
Mammary Gland		M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0	
Skin		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Musculoskeletal System																							
Bone		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Nervous System																							
Brain		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Respiratory System																							
Lung		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Alveolus, Inflammation, Acute, Focal																						1	2.0
Nose		+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	20	
Trachea		M	+	+	+	+	+	+	+	I	I	M	+	+	M	+	+	+	I	I	+	14	
Special Senses System																							
Eye		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Harderian Gland		+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	20	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:42
 First Dose M/F: NA / NA
 Lab: MBA

**BALB/C Mouse Male
 ISORMCONSALINE**

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

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Urinary Bladder	+	+	+	I	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	19

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20305-01

Test Type: 18-33 DAYS

Route: INTRADUCTAL CANNULATION

Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Adeno-associated viral vector (hEPO)

CAS Number: HEPO

Date Report Requested: 10/23/2014

Time Report Requested: 09:07:42

First Dose M/F: NA / NA

Lab: MBA

BALB/C Mouse Male TRTRMCONSALINE	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	3	3	3	5	5	5	9	9		9
		3	3	3	0	0	0	5	5	5	1	2		2
	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		
		2	2	2	2	2	2	2	3	3	3	3		
		2	3	4	5	6	7	8	9	0	1	2	3	

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	12		
Gallbladder	+	+	+	+	+	+	+	M	+	A	+	+	10		
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		
Hepatocyte, Vacuolization Cytoplasmic								1	2			2	1	4	1.5
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	12		
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	12		
Left, Parotid Gl, Vacuolization Cytoplasmic								1						1	1.0
Parotid Gl, Right, Vacuolization Cytoplasmic								2						1	2.0
Right, Submandibul Gl, Degeneration								1						1	1.0
Right, Submandibul Gl, Inflammation								1						1	1.0
Right, Submandibul Gl, Necrosis								1						1	1.0
Right, Submandibul Gl, Regeneration								3		2				2	2.5
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	12		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	12		

Cardiovascular System

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20305-01

Test Type: 18-33 DAYS

Route: INTRADUCTAL CANNULATION

Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Adeno-associated viral vector (hEPO)

CAS Number: HEPO

Date Report Requested: 10/23/2014

Time Report Requested: 09:07:42

First Dose M/F: NA / NA

Lab: MBA

BALB/C Mouse Male TRTRMCONSALINE	DAY ON TEST												*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	
	0	0	0	3	3	3	5	5	5	9	9	9	
	3	3	3	0	0	0	5	5	5	1	2	2	
	0	0	0	0	0	0	0	0	0	0	0	0	
	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	
	2	3	4	5	6	7	8	9	0	1	2	3	
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	12
Heart	+	+	+	+	+	+	+	+	+	+	+	+	12
Endocrine System													
Adrenal Cortex	+	+	+	+	I	+	+	+	+	+	+	+	11
Adrenal Medulla	+	+	+	+	I	+	+	+	+	+	+	+	11
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	12
Parathyroid Gland	+	M	M	M	M	M	M	+	M	+	M	+	4
Pituitary Gland	+	+	+	+	+	I	+	+	+	+	I	+	10
Thyroid Gland	+	+	M	+	+	+	+	+	+	+	+	+	11
General Body System													
NONE													
Genital System													
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	12
Preputial Gland	+	+	+	+	I	+	+	+	+	+	+	+	11
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	12
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	12
Testes	+	+	+	+	+	+	+	+	+	+	+	+	12
Hematopoietic System													
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	12
Lymph Node, Mandibular	+	I	+	+	+	+	+	+	+	+	+	+	11
Right, Hyperplasia, Lymphoid				2									1 2.0

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
1-4 ..Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:43
 First Dose M/F: NA / NA
 Lab: MBA

BALB/C Mouse Male TRTRMCONSALINE	DAY ON TEST																	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	3	3	3	5	5	5	9	9	9	9	9	9	9	9	
	3	3	3	0	0	0	5	5	5	1	2	2	2	2	2	2	2	
	0	0	0	0	0	0	0	0	0	0	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	2	3	3	3	3	3	3	3	3	
	2	3	4	5	6	7	8	9	0	1	2	3	3	3	3	3	3	
	*TOTALS																	
Right, Hyperplasia, Lymphoid	2																1	2.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	12	
Spleen	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	11	
Hematopoietic Cell Proliferation	1	1	1	2	1	1	1	1	1		1	1					11 1.1	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	12	
Integumentary System																		
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	12	
Musculoskeletal System																		
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	12	
Nervous System																		
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	12	
Respiratory System																		
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	12	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	12	
Trachea	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	11	
Special Senses System																		
Eye	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	11	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	12	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01

Test Type: 18-33 DAYS

Route: INTRADUCTAL CANNULATION

Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Adeno-associated viral vector (hEPO)

CAS Number: HEPO

Date Report Requested: 10/23/2014

Time Report Requested: 09:07:43

First Dose M/F: NA / NA

Lab: MBA

**BALB/C Mouse Male
TRTRMCONSALINE**

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

Urinary System

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

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:43
 First Dose M/F: NA / NA
 Lab: MBA

BALB/C Mouse Male 1-7 SALINE	DAY ON TEST																				*TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	3	3	2	0	0	3	3	5	5	5	9	9	9	5	5	9	9	
	2	2	2	0	0	9	3	3	0	5	5	5	2	2	2	5	5	2	2	2	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	4	4	4	4	4	4	4	4	4	5	5	5	5	5	
	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4

Alimentary System

Esophagus	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20	
Gallbladder	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	M	+	19
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Hepatocyte, Vacuolization Cytoplasmic					1											2				1		3 1.3
Inflammation, Chronic Active																				1		1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Left, Parotid Gl, Vacuolization Cytoplasmic																				1		1 1.0
Right, Submandibul Gl, Degeneration																				1		1 1.0
Right, Submandibul Gl, Inflammation					1									1					1	1		4 1.0
Right, Submandibul Gl, Regeneration												4	2						2			3 2.7
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
--------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:43
 First Dose M/F: NA / NA
 Lab: MBA

BALB/C Mouse Male 1-7 SALINE	DAY ON TEST																				*TOTALS		
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Heart	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21		
Mineralization	0	0	0	3	3	2	0	0	3	3	5	5	5	9	9	9	5	5	9	9	9	1.1	
Endocrine System	2	2	2	0	0	9	3	3	0	5	5	5	2	2	2	5	5	2	2				
Adrenal Cortex	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21			
Subcapsular, Hyperplasia, Focal	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1.0		
Adrenal Medulla	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	5	5	5	21			
Islets, Pancreatic	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	11			
Parathyroid Gland	M	M	M	M	M	M	M	+	+	M	+	M	+	+	+	M	+	+	+	16			
Pituitary Gland	+	+	+	+	+	+	M	+	+	+	+	I	M	+	M	+	+	+	I	21			
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
General Body System																							
NONE																							
Genital System																							
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21			
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21			
Inflammation, Chronic Active, Focal												2								1	2.0		
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	+	20			
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21			
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21			
Hematopoietic System																							
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21			

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:43
 First Dose M/F: NA / NA
 Lab: MBA

BALB/C Mouse Male 1-7 SALINE	DAY ON TEST																				*TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	3	3	2	0	0	3	3	5	5	5	9	9	9	5	5	9	9	
	2	2	2	0	0	9	3	3	0	5	5	5	2	2	2	5	5	2	2	2	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	4	4	4	4	4	4	4	4	4	4	5	5	5	5	
	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Lymph Node, Mandibular	+	+	+	I	+	+	I	+	+	+	I	+	+	I	I	+	+	M	M	+	14
Lymph Node, Mesenteric	+	I	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	19
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Congestion, Diffuse				2																	1 2.0
Hematopoietic Cell Proliferation	1	2	1	2	2	1	1	1	1	1	2	1	1	2	1	1	3	1	2	2	21 1.4
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Integumentary System																					
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Epidermis, Ulcer, Focal											4										1 4.0
Musculoskeletal System																					
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Skeletal Muscle		+																			1
Hemorrhage, Focal			3																		1 3.0
Inflammation, Acute, Focal			2																		1 2.0
Nervous System																					
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Respiratory System																					
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Alveolar Epith, Hyperplasia			2																		1 2.0

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:43
 First Dose M/F: NA / NA
 Lab: MBA

BALB/C Mouse Male 1-7 SALINE	DAY ON TEST	0	0	0	0	0	0	0	0	0	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	0	3	3	2	0	0	3	3	5	5	5	9	9	9	5	5	9	9	
		2	2	2	0	0	9	3	3	0	0	5	5	5	2	2	2	5	5	2	2	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	4	4	4	4	4	4	4	4	4	4	5	5	5	5	
		4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	
Alveolus, Inflammation, Acute, Focal																						1
Nose		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Trachea		+	+	I	I	M	I	I	I	+	I	+	+	I	+	+	+	+	+	+	+	13
Special Senses System																						
Eye		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Harderian Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Urinary System																						
Kidney		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	20

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01

Test Type: 18-33 DAYS

Route: INTRADUCTAL CANNULATION

Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Adeno-associated viral vector (hEPO)

CAS Number: HEPO

Date Report Requested: 10/23/2014

Time Report Requested: 09:07:43

First Dose M/F: NA / NA

Lab: MBA

BALB/C Mouse Male 1-8 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	3	3	3	0	0	3	3	5	5	5	9	9	9	5	5	9	9	9	9
		3	2	2	0	0	0	3	3	0	5	5	5	2	2	2	5	5	2	2	2	2	2
	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
		5	5	5	5	5	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7
		5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	5
																						*TOTALS	

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	20
Gallbladder	+	A	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Hepatocyte, Necrosis								1														1 1.0
Hepatocyte, Vacuolization Cytoplasmic														1			1			1		3 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Left, Parotid GI, Vacuolization Cytoplasmic																	1					1 1.0
Left, Sublingual GI, Inflammation								1														1 1.0
Left, Submandibular GI, Inflammation	1																					1 1.0
Parotid GI, Right, Inflammation								3	2													2 2.5
Parotid GI, Right, Vacuolization Cytoplasmic																	1					1 1.0
Right, Submandibular GI, Degeneration								1	2													2 1.5
Right, Submandibular GI, Inflammation								2	2													2 2.0
Right, Submandibular GI, Necrosis								3	2													2 2.5

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
1-4 ..Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20305-01

Test Type: 18-33 DAYS

Route: INTRADUCTAL CANNULATION

Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Adeno-associated viral vector (hEPO)

CAS Number: HEPO

Date Report Requested: 10/23/2014

Time Report Requested: 09:07:43

First Dose M/F: NA / NA

Lab: MBA

BALB/C Mouse Male 1-8 SALINE	DAY ON TEST																				*TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Cardiovascular System																					
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Artery, Inflammation, Chronic Active										2											1 2.0
Mineralization				1					3		2		2								4 2.0
Ventricle, Thrombosis, Focal																4					1 4.0
Endocrine System																					
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Subcapsular, Hyperplasia, Focal																			1	1	2 1.0
Adrenal Medulla	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	19
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	20
Parathyroid Gland	+	M	M	M	+	+	M	M	M	M	+	M	M	+	+	M	+	+	+	+	11
Pituitary Gland	+	+	+	+	+	I	+	+	+	+	I	+	+	+	+	+	+	+	+	+	19
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
General Body System																					
NONE																					
Genital System																					
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
1-4 ..Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:44
 First Dose M/F: NA / NA
 Lab: MBA

BALB/C Mouse Male 1-8 SALINE	DAY ON TEST																				*TOTALS	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19	
Germinal Epith, Degeneration, Focal	2																				1 2.0	
Hematopoietic System																						
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Lymph Node, Mandibular	+	M	+	M	+	+	+	M	+	I	I	+	+	+	+	+	+	+	+	I	15	
Right, Hyperplasia, Lymphoid												1									1 1.0	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Spleen	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20	
Hematopoietic Cell Proliferation	2		2	1	1	1	1	1	2	1	3	2	2	1	1	2	2	2	1	2	1	20 1.6
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Atrophy									4	4											2 4.0	
Integumentary System																						
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Musculoskeletal System																						
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	20	
Nervous System																						
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:44
 First Dose M/F: NA / NA
 Lab: MBA

BALB/C Mouse Male 1-8 SALINE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	3	3	3	0	0	3	3	5	5	5	9	9	9	5	5	9	9	9
		3	2	2	0	0	0	3	3	0	0	5	5	5	2	2	2	5	5	2	2	2
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7
		5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5
		*TOTALS																				
Respiratory System																						
Lung		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Alveolar Epith, Hyperplasia																						
Nose		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Acute																						
Trachea		+	+	+	I	+	+	I	M	I	+	+	+	+	+	+	+	+	+	+	+	
Special Senses System																						
Eye		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Harderian Gland		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Urinary System																						
Kidney		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:44
 First Dose M/F: NA / NA
 Lab: MBA

BALB/C Mouse Male 1-9 SALINE	DAY ON TEST																				*TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	20
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	20
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	20
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	20
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	20
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	20
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	20
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Hepatocyte, Vacuolization Cytoplasmic														1		1	1	1		1		6 1.2
Necrosis, Focal																	1					1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Left, Parotid GI, Vacuolization Cytoplasmic			1																			1 1.0
Left, Submandibul GI, Regeneration																					1	1 1.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Hemorrhage															3							1 3.0
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01

Test Type: 18-33 DAYS

Route: INTRADUCTAL CANNULATION

Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Adeno-associated viral vector (hEPO)

CAS Number: HEPO

Date Report Requested: 10/23/2014

Time Report Requested: 09:07:44

First Dose M/F: NA / NA

Lab: MBA

BALB/C Mouse Male 1-9 SALINE	DAY ON TEST																				*TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Mineralization	2													2			2			3	
Endocrine System																					
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	20	
Subcapsular, Hyperplasia, Focal														1				1		3	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	20	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Parathyroid Gland	M	+	M	+	+	+	M	M	M	M	+	M	+	+	+	+	M	+	+	13	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	I	I	+	+	+	+	19	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Follicle, Cyst																			X	1	
General Body System																					
NONE																					
Genital System																					
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20	
Inflammation, Chronic Active, Focal																			1	2	
Prostate	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	20	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Testes	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20	
Hematopoietic System																					
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
1-4 ..Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20305-01

Test Type: 18-33 DAYS

Route: INTRADUCTAL CANNULATION

Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Adeno-associated viral vector (hEPO)

CAS Number: HEPO

Date Report Requested: 10/23/2014

Time Report Requested: 09:07:44

First Dose M/F: NA / NA

Lab: MBA

BALB/C Mouse Male 1-9 SALINE	DAY ON TEST																				*TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymph Node, Mandibular	+	+	I	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	M	+	+	+	+	A	+	+	+	+	+	+	
Hyperplasia, Lymphoid													2								
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	
Hematopoietic Cell Proliferation	1	2	1	2	3	2	1	2	3	3	2	4	3	3	2	3	3	3	1	2	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	
Atrophy			1						1												
Integumentary System																					
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation																			1		
Musculoskeletal System																					
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Nervous System																					
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Respiratory System																					
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Inflammation, Acute				1																	
Trachea	+	+	I	+	+	+	M	+	I	I	+	+	+	A	+	+	I	+	+	+	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
1-4 ..Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20305-01

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Date Report Requested: 10/23/2014

Test Type: 18-33 DAYS

Test Compound: Adeno-associated viral vector (hEPO)

Time Report Requested: 09:07:44

Route: INTRADUCTAL CANNULATION

CAS Number: HEPO

First Dose M/F: NA / NA

Species/Strain: Mouse/BALB/C

Lab: MBA

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

Special Senses System

Eye	+	+	+	+	+	+	+	+	+	+	+	I	+	A	+	+	+	+	+	+	+	19
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21				
Bilateral, Renal Tubule, Dilatation																					2					
Cyst	X																								1	
Nephropathy																								1	1.0	
Right, Infarct, Multiple																								3	1	3.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	I	+	+	+	A	+	+	+	+	+	+	19				

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20305-01

Test Type: 18-33 DAYS

Route: INTRADUCTAL CANNULATION

Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Adeno-associated viral vector (hEPO)

CAS Number: HEPO

Date Report Requested: 10/23/2014

Time Report Requested: 09:07:44

First Dose M/F: NA / NA

Lab: MBA

BALB/C Mouse Male 1-10 SALINE	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	3	2	3	0	0	3	3	5	5	5	9	9	9	5	5	9	9	
	3	3	3	0	9	0	2	2	0	0	5	5	2	2	2	5	5	2	2	2	
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	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
9	9	9	9	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	
7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	20	
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	20	
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	20	
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	+	+	20	
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Hematopoietic Cell Proliferation																					3	1 3.0
Hepatocyte, Vacuolization Cytoplasmic				1											1							2 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Left, Parotid Gl, Vacuolization Cytoplasmic									1				3			1					3 1.7	
Parotid Gl, Right, Inflammation									2												1 2.0	
Parotid Gl, Right, Vacuolization Cytoplasmic															1						1 1.0	
Right, Submandibul Gl, Degeneration								3	2												2 2.5	
Right, Submandibul Gl, Inflammation								2	3												2 2.5	
Right, Submandibul Gl, Necrosis								2	2												2 2.0	
Right, Submandibul Gl, Regeneration															1						1 1.0	
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20305-01

Test Type: 18-33 DAYS

Route: INTRADUCTAL CANNULATION

Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Adeno-associated viral vector (hEPO)

CAS Number: HEPO

Date Report Requested: 10/23/2014

Time Report Requested: 09:07:45

First Dose M/F: NA / NA

Lab: MBA

BALB/C Mouse Male 1-10 SALINE	DAY ON TEST																				*TOTALS	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Cardiovascular System																						
Blood Vessel	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	20	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Artery, Inflammation, Chronic Active																	2				1 2.0	
Mineralization	2	2			1					1		1	1	2		1	2		1		10 1.4	
Endocrine System																						
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Subcapsular, Hyperplasia, Focal																	1				1 1.0	
Adrenal Medulla	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	I	+	19	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	20
Parathyroid Gland	M	I	M	+	M	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	16	
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	I	+	+	M	+	I	+	+	I	+	16	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
General Body System																						
NONE																						
Genital System																						
Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	20	
Preputial Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Prostate	+	+	+	I	+	+	+	+	+	+	+	+	I	+	+	+	I	+	+	+	18	
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
1-4 ..Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:45
 First Dose M/F: NA / NA
 Lab: MBA

BALB/C Mouse Male 1-10 SALINE	DAY ON TEST																				*TOTALS			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21			
Testes	+	+	+	+		+	+	+	+		+	+	+	+	+	+		+	+	+	+	18		
Hematopoietic System																								
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21		
Myeloid Cell, Hyperplasia																						2	1	2.0
Lymph Node, Mandibular		+		M	+		+	+	+	M	+	+	+	M	+				M	M	+	10		
Left, Necrosis, Lymphocyte													2										1	2.0
Right, Hyperplasia, Lymphoid																							2	1.5
Right, Necrosis, Lymphocyte																							1	2.0
Lymph Node, Mesenteric	+	+	+	+		+		+		+	+	+	+	+	+		+	+	+	+	+	17		
Necrosis, Lymphocyte																							1	2.0
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21		
Hematopoietic Cell Proliferation	1	2	2	3	3	3	2	1	3	3	3	4	3	4	3	3	3	4	4	3	4	21	2.9	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+		+	+	+	+	+	+	+	20		
Integumentary System																								
Mammary Gland	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	M	0		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21		
Dermis, Epidermis, Subcut Tiss, Inflammation, Acute, Focal																						4	1	4.0
Musculoskeletal System																								
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21		

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:45
 First Dose M/F: NA / NA
 Lab: MBA

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			
BALB/C Mouse Male	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
1-10 SALINE	0	0	0	3	2	3	0	0	3	3	5	5	5	9	9	9	5	5	9	9			
	3	3	3	0	9	0	2	2	0	0	5	5	2	2	2	5	5	2	2	2			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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			
	9	9	9	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1			
	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7		
Hyperplasia																				2	1	2.0	
Nervous System																							
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Respiratory System																							
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Inflammation, Acute	1																				1	1.0	
Trachea	l	+	+	+	+	+	+	+	+	+	+	+	+	+	l	+	+	+	+	l			
Special Senses System																							
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Degeneration								2														1	2.0
Inflammation				2																		1	2.0
Urinary System																							
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Renal Tubule, Casts Protein											3											1	3.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	l	+	+	+	+	+	+	+	+	+			
END OF MALE DATA																							

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01

Test Type: 18-33 DAYS

Route: INTRADUCTAL CANNULATION

Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Adeno-associated viral vector (hEPO)

CAS Number: HEPO

Date Report Requested: 10/23/2014

Time Report Requested: 09:07:45

First Dose M/F: NA / NA

Lab: MBA

BALB/C Mouse Female ISORMCONSALINE	DAY ON TEST																				*TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	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	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	
	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Gallbladder	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Inflammation, Chronic Active																				1	1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Left, Submandibul GI, Inflammation																				1	1 1.0
Parotid GI, Right, Vacuolization Cytoplasmic																				1	1 1.0
Right, Submandibul GI, Degeneration	2		3																	1	3 2.0
Right, Submandibul GI, Inflammation	1		1																	1	3 1.0
Right, Submandibul GI, Necrosis	2		1																		2 1.5
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
--------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
1-4 ..Lesion qualified as:
1) Minimal 3) Moderate
2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:45
 First Dose M/F: NA / NA
 Lab: MBA

BALB/C Mouse Female ISORMCONSALINE	DAY ON TEST																				*TOTALS	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20		
Mineralization				1																1 1.0		
Endocrine System																						
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21		
Subcapsular, Hyperplasia, Focal														1	1			1	1	1 1.0		
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21		
Parathyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	M	+	18		
Pituitary Gland	+	+	+	+	+	+	+	M	+	+	+	+	+	I	+	+	+	+	+	19		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21		
General Body System																						
NONE																						
Genital System																						
Clitoral Gland	+	+	+	I	+	I	+	+	+	M	I	+	+	+	+	M	+	+	M	14		
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	20		
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21		
Endometrium, Hyperplasia, Cystic																		1		1 1.0		
Endometrium, Hyperplasia, Cystic, Diffuse											2									1 2.0		
Hematopoietic System																						
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21		
Lymph Node, Mandibular	+	+	+	+	M	+	+	I	+	+	+	M	+	+	I	+	+	+	I	15		

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:45
 First Dose M/F: NA / NA
 Lab: MBA

BALB/C Mouse Female ISORMCONSALINE	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	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	3	3	5	5	5	9	9	9	5	5	9	9	0			
	3	3	3	0	0	0	3	3	0	0	5	5	5	2	2	2	5	5	2	2	0			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	1	1			
	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3			
	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8			
Lymph Node, Mandibular	+	+	+	+	M	+	+	I	+	+	+	M	+	+	I	+	+	+	+	I	I	15		
Right, Hyperplasia, Lymphoid																					1		1	1.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	+	20		
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21		
Hematopoietic Cell Proliferation	1	2	2	1	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	2	21	1.2	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21		
Integumentary System																								
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21		
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21		
Musculoskeletal System																								
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21		
Nervous System																								
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21		
Respiratory System																								
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21		
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21		
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	I	+	I	+	I	I	16		
Special Senses System																								
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21		
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21		

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:46
 First Dose M/F: NA / NA
 Lab: MBA

		DAY ON TEST																						
BALB/C Mouse Female	ISORMCONSALINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	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	3	3	5	5	5	9	9	9	5	5	9	9	9	9	
		3	3	3	0	0	0	3	3	0	0	5	5	5	2	2	2	5	5	2	2	2	2	
	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		
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3		
		8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	*TOTALS	

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:46
 First Dose M/F: NA / NA
 Lab: MBA

BALB/C Mouse Female TRTRMCONSALINE	DAY ON TEST												*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	0
	0	0	0	3	3	3	5	5	5	9	9	9	9
	3	3	3	0	0	0	5	5	5	2	2	2	2
	0	0	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
	3	4	4	4	4	4	4	4	4	4	4	5	5
	9	0	1	2	3	4	5	6	7	8	9	9	0

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	12
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	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
Left, Submandibul GI, Inflammation, Chronic					1								1 1.0
Right, Submandibul GI, Inflammation								1					1 1.0
Right, Submandibul GI, Inflammation, Chronic					1								1 1.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	12
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	12

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	12
Heart	+	+	+	+	+	+	+	+	+	+	+	+	12
Mineralization		1				2	1					2	4 1.5

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20305-01

Test Type: 18-33 DAYS

Route: INTRADUCTAL CANNULATION

Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Adeno-associated viral vector (hEPO)

CAS Number: HEPO

Date Report Requested: 10/23/2014

Time Report Requested: 09:07:46

First Dose M/F: NA / NA

Lab: MBA

BALB/C Mouse Female TRTRMCONSALINE	DAY ON TEST												*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	
	0	0	0	3	3	3	5	5	5	9	9	9	
	3	3	3	0	0	0	5	5	5	2	2	2	
	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	4	4	4	4	4	4	4	4	4	4	5	
	9	0	1	2	3	4	5	6	7	8	9	0	

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	12
Subcapsular, Hyperplasia, Focal					1	1	1		1		1		5 1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	I	11
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	12
Parathyroid Gland	+	M	+	+	+	+	M	+	+	M	+	+	9
Pituitary Gland	+	+	+	+	+	+	+	I	+	I	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	12

General Body System

NONE

Genital System

Clitoral Gland	+	+	+	+	M	+	M	M	+	+	M	M	7
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	12
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	12
Endometrium, Hyperplasia, Cystic, Diffuse					1								1 1.0

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	12
Lymph Node, Mandibular	+	+	+	+	+	+	+	I	I	+	+	+	10
Left, Hyperplasia, Lymphoid							2						1 2.0
Right, Hyperplasia, Lymphoid							2						1 2.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	M	+	+	11

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:46
 First Dose M/F: NA / NA
 Lab: MBA

BALB/C Mouse Female TRTRMCONSALINE	DAY ON TEST																									
	0	0	0	0	0	0	0	0	0	0	0	0														
ANIMAL ID	0	0	0	3	3	3	5	5	5	9	9	9	*TOTALS													
	3	3	3	0	0	0	5	5	5	2	2	2														
Lymph Node, Mesenteric	0	0	0	0	0	0	0	0	0	0	0	0	+	+	+	+	+	+	+	+	M	+	+	11		
Spleen	0	0	0	3	3	3	5	5	5	9	9	9	+	+	+	+	+	+	+	+	+	+	+	12		
Hematopoietic Cell Proliferation	3	4	4	4	4	4	4	4	4	4	4	5	2	2	1	2	2	1	1	1	2	1	1	1	12	1.4
Thymus	9	0	1	2	3	4	5	6	7	8	9	0	+	+	+	+	+	+	+	+	+	+	+	12		
Integumentary System																										
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	12			
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	12			
Musculoskeletal System																										
Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	12			
Nervous System																										
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	12			
Respiratory System																										
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	12			
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	11			
Trachea	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	10			
Special Senses System																										
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	12			
Conjunctiva, Inflammation, Acute	1																						1	1.0		
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	12			

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:46
 First Dose M/F: NA / NA
 Lab: MBA

		DAY ON TEST													
BALB/C Mouse Female	TRTRMCONSALINE	0	0	0	0	0	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	5	5	5	9	9	9	9	
		3	3	3	0	0	0	5	5	5	2	2	2	2	
		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	
		1	1	1	1	1	1	1	1	1	1	1	1	1	
		3	4	4	4	4	4	4	4	4	4	4	4	5	
		9	0	1	2	3	4	5	6	7	8	9	0		*TOTALS
Urinary System															
Kidney		+	+	+	+	+	+	+	+	+	+	+	+	+	12
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	+	+	+	12

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue

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

1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:46
 First Dose M/F: NA / NA
 Lab: MBA

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BALB/C Mouse Female		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	3	3	3	0	0	3	3	5	5	5	9	9	9	5	5	9	9	9
	1-7 SALINE	3	3	2	0	0	0	2	3	0	5	5	5	2	2	2	5	5	2	2	2	2
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	
		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	7	7	7	
		1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	
*TOTALS																						

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	20
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Inflammation, Chronic Active																						1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21

Cardiovascular System

Blood Vessel	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Mineralization							2							2				1		1		4 1.5

Endocrine System

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
----------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:46
 First Dose M/F: NA / NA
 Lab: MBA

DAY ON TEST	BALB/C Mouse Female																				*TOTALS	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
1-7 SALINE	3	3	2	0	3	3	0	2	3	0	5	5	5	9	9	9	5	5	9	9		
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0		
Subcapsular, Hyperplasia, Focal										1			1				1	1		1		
Adrenal Medulla	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	20		
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21		
Parathyroid Gland	+	M	+	+	+	+	M	+	M	M	+	+	M	+	M	+	+	M	+	13		
Pituitary Gland	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	I	+	+	+	19		
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	M	19		
General Body System																						
NONE																						
Genital System																						
Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	M	I	+	I	+	M	15
Infiltration Cellular, Mononuclear Cl, Focal									1												1	1.0
Ovary	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20	
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Endometrium, Hyperplasia, Cystic, Diffuse									2				2								2	2.0
Hematopoietic System																						
Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Lymph Node, Mandibular	I	+	I	I	+	+	+	I	I	I	+	+	I	+	+	I	I	+	+	I	+	11
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	I	19
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Hematopoietic Cell Proliferation	2	1	2	2	1	1	2	1	2	1	1	1	2	2	2	1	1	1	1	1	21	1.4
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01

Test Type: 18-33 DAYS

Route: INTRADUCTAL CANNULATION

Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Adeno-associated viral vector (hEPO)

CAS Number: HEPO

Date Report Requested: 10/23/2014

Time Report Requested: 09:07:46

First Dose M/F: NA / NA

Lab: MBA

BALB/C Mouse Female 1-7 SALINE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	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
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	7	7	7
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1
		*TOTALS																			

Integumentary System

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	20
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21

Musculoskeletal System

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

Nervous System

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	20
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Trachea	+	I	+	+	+	+	I	+	M	+	+	+	+	+	I	+	+	M	+	+	+	16

Special Senses System

Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21

Urinary System

Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:46
 First Dose M/F: NA / NA
 Lab: MBA

BALB/C Mouse Female 1-8 SALINE	DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2
		*TOTALS																			

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Inflammation, Chronic Active															1					1		2 1.0
Necrosis, Focal											1											1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Parotid GI, Right, Inflammation										1												1 1.0
Right, Submandibul GI, Degeneration			1																			1 1.0
Right, Submandibul GI, Inflammation			1												1	1						3 1.0
Right, Submandibul GI, Necrosis			1																			1 1.0
Right, Submandibul GI, Regeneration			2																			1 2.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21

Cardiovascular System

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:47
 First Dose M/F: NA / NA
 Lab: MBA

DAY ON TEST	BALB/C Mouse Female																				*TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	1-8 SALINE																				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Mineralization			2													1				2	3 1.7
Endocrine System																					
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Subcapsular, Hyperplasia, Focal						1							1		1	1			1		5 1.0
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Parathyroid Gland	M	+	M	M	+	+	+	M	+	M	+	+	+	M	+	+	M	+	+	+	14
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20
General Body System																					
NONE																					
Genital System																					
Clitoral Gland	+	I	+	+	M	+	+	+	+	+	+	+	+	M	+	I	I	+	I	+	14
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	20
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Endometrium, Hyperplasia, Cystic, Diffuse												1	1								2 1.0
Hematopoietic System																					
Bone Marrow	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	20
Depletion Cellular, Diffuse																				2	1 2.0

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:47
 First Dose M/F: NA / NA
 Lab: MBA

DAY ON TEST	BALB/C Mouse Female																				*TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	1-8 SALINE																				*TOTALS
	0	0	0	3	3	3	0	0	3	3	5	5	5	9	9	9	5	5	9	9	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Depletion Cellular, Diffuse																				2	
Lymph Node, Mandibular	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	19	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Hematopoietic Cell Proliferation	2	2	3	1	2	2	2	3	2	1	3	3	2	3	2	3	2	2	2	3	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Integumentary System																					
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Musculoskeletal System																					
Bone	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	20	
Nervous System																					
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Respiratory System																					
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Trachea	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	19	
Special Senses System																					
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:47
 First Dose M/F: NA / NA
 Lab: MBA

		DAY ON TEST																						
BALB/C Mouse Female	1-8 SALINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	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	3	3	5	5	5	9	9	9	5	5	9	9	9	9	
		3	3	3	0	0	0	3	3	0	0	5	5	5	2	2	2	5	5	2	2	2	2	
	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		
		1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		
		7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	9	9		
		2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	8	9	0	1	*TOTALS	
Urinary System																								
	Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
	Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:47
 First Dose M/F: NA / NA
 Lab: MBA

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BALB/C Mouse Female		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		0	0	0	3	3	3	0	0	0	3	3	5	5	5	9	9	9	0	5	9	9
	1-9 SALINE	3	3	3	0	0	0	3	3	0	0	5	5	5	2	2	2	1	5	2	2	2
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	
		1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	
		9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	1	1	1	1	
		3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3
*TOTALS																						

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	1	+	20
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Inflammation, Chronic Active																				1		1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Right, Submandibul GI, Degeneration												1										1 1.0
Right, Submandibul GI, Inflammation				1																		2 1.0
Right, Submandibul GI, Necrosis																						1 1.0
Right, Submandibul GI, Regeneration													4									1 4.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21

Cardiovascular System

Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:47
 First Dose M/F: NA / NA
 Lab: MBA

BALB/C Mouse Female 1-9 SALINE	DAY ON TEST																				*TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	
9	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	0	1	1	1	
3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	
Mineralization	1	2		1			1			1					1	2			1		
Endocrine System																					
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	
Subcapsular, Hyperplasia, Focal				1	1								1			1		1	1	1	
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	
Islets, Pancreatic	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parathyroid Gland	+	M	M	+	M	M	+	M	+	M	M	+	+	+	+	+	M	M	+	+	
Pituitary Gland	+	M	+	+	+	+	M	+	+	I	+	+	I	+	+	+	+	+	+	+	
Thyroid Gland	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	
General Body System																					
NONE																					
Genital System																					
Clitoral Gland	+	+	+	+	+	+	+	+	M	+	M	+	+	+	I	+	+	+	+	M	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Endometrium, Hyperplasia, Cystic, Diffuse				1					1		1										
Hematopoietic System																					
Bone Marrow	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	I	I	+	M	+	
Left, Depletion Lymphoid		2																			
Right, Hyperplasia, Lymphoid																	2				

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:47
 First Dose M/F: NA / NA
 Lab: MBA

BALB/C Mouse Female 1-9 SALINE	DAY ON TEST																				*TOTALS			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
	0	0	0	3	3	3	0	0	3	3	5	5	5	9	9	9	0	5	9	9				
	3	3	3	0	0	0	3	3	0	5	5	5	2	2	2	1	5	2	2	2				
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	2	2	2	2	2	2	2	2	2	2	2	2	2				
	9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	1	1	1	1				
	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3			
Right, Hyperplasia, Lymphoid																					2	1	2.0	
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			20	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			21	
Hematopoietic Cell Proliferation	2	1	2	3	3	3	1	2	3	3	3	3	3	3	3	2	3	3	3	3			21	2.6
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			21	
Integumentary System																								
Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			21	
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			21	
Musculoskeletal System																								
Bone	+	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			20	
Nervous System																								
Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			21	
Respiratory System																								
Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			21	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			21	
Trachea	+	+		+					+	M	+	+	+	+	+			M	+	+			11	
Special Senses System																								
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		+		+	+	+		19	
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			21	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:47
 First Dose M/F: NA / NA
 Lab: MBA

		DAY ON TEST																						
BALB/C Mouse Female	1-9 SALINE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
		0	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	3	3	5	5	5	9	9	9	0	5	9	9	9	9	
		3	3	3	0	0	0	3	3	0	0	5	5	5	2	2	2	1	5	2	2	2	2	
	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		
		1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
		9	9	9	9	9	9	9	0	0	0	0	0	0	0	0	0	1	1	1	1	1		
		3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	1	2	3	*TOTALS
Urinary System																								
	Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21	
	Urinary Bladder	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20	

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01

Test Type: 18-33 DAYS

Route: INTRADUCTAL CANNULATION

Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Test Compound: Adeno-associated viral vector (hEPO)

CAS Number: HEPO

Date Report Requested: 10/23/2014

Time Report Requested: 09:07:47

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
BALB/C Mouse Female 1-10 SALINE		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	3	3	5	5	5	9	9	9	5	5	6	9	6
		3	3	3	0	0	0	3	3	0	5	5	5	2	2	2	5	5	9	2	2	2	2
	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	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	
	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	3	4	
*TOTALS																							

Alimentary System

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Gallbladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	20
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	20
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	20
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	20
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	19
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	19
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	19
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Bile Duct, Concretion																						1 2.0
Clear Cell Focus																						1
Hematocyst																						1
Pancreas	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Left, Parotid GI, Vacuolization Cytoplasmic																					1	1 1.0
Right, Submandibul GI, Inflammation																						1 1.0
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Tooth																						1
Peridont Tiss, Inflammation, Acute, Focal																						1 4.0

Cardiovascular System

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

1-4 ..Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:48
 First Dose M/F: NA / NA
 Lab: MBA

BALB/C Mouse Female 1-10 SALINE	DAY ON TEST																				*TOTALS
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	3	3	5	5	5	9	9	9	5	5	6	9	
	3	3	3	0	0	0	3	3	0	0	5	5	5	2	2	2	5	5	9	2	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	2	2	2	2	2	2	2	2	2	2	2	2	
	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	
	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	
Blood Vessel	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Heart	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Mineralization			3								1										
Valve, Thrombosis																3					
Endocrine System																					
Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Subcapsular, Hyperplasia, Focal										1					1		1		1		
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Parathyroid Gland	+	M	M	+	+	+	+	+	+	+	M	+	+	+	+	M	+	+	+	+	
Angiectasis																1					
Pituitary Gland	+	M	+	+	+	+	M	+	+	+	+	+	+	I	+	+	+	M	I	+	
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
General Body System																					
NONE																					
Genital System																					
Clitoral Gland	+	+	+	+	+	+	+	+	+	M	M	I	+	+	+	+	M	+	I	+	
Ovary	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	
Endometrium, Hyperplasia, Cystic, Diffuse							1														
Hematopoietic System																					

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:48
 First Dose M/F: NA / NA
 Lab: MBA

DAY ON TEST		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
BALB/C Mouse Female 1-10 SALINE		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	3	3	5	5	5	9	9	9	5	5	6	9	6
		3	3	3	0	0	0	3	3	0	0	5	5	5	2	2	2	5	5	9	2	2
	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	
	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	
	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	
*TOTALS																						

Hematopoietic System

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	20
Depletion Cellular, Diffuse															2						1 2.0
Lymph Node, Mandibular	+	M	+	+	+	+	+	+	+	I	+	+	+	+	+	+	+	+	+	+	19
Left, Hyperplasia, Lymphoid													2								1 2.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	I	+	A	+	18
Spleen	+	+	+	I	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	20
Hematopoietic Cell Proliferation	2	2	2		4	3	2	1	1	1	4	4	4	4	1	3	4	3	3	4	4
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	I	+	+	+	+	A	+	M	18

Integumentary System

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21

Musculoskeletal System

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

Nervous System

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
-------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

Respiratory System

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21
Inflammation, Acute										1											1 1.0

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

Experiment Number: 20305-01
 Test Type: 18-33 DAYS
 Route: INTRADUCTAL CANNULATION
 Species/Strain: Mouse/BALB/C

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Test Compound: Adeno-associated viral vector (hEPO)
 CAS Number: HEPO

Date Report Requested: 10/23/2014
 Time Report Requested: 09:07:48
 First Dose M/F: NA / NA
 Lab: MBA

DAY ON TEST	BALB/C Mouse Female 1-10 SALINE																				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	3	3	3	0	0	3	3	5	5	5	9	9	9	5	5	6	9	6	0			
	3	3	3	0	0	0	3	3	0	0	5	5	5	2	2	2	5	5	9	2	2	0			
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	2	2	2	2	2	2	2	2	2	2	2	2	2	2			
	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3			
	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	3	4			
																								*TOTALS	
Trachea	I	I	+	+	+	+	I	+	+	+	+	+	+	+	I	+	+	+	+	+	+	17			
Special Senses System																									
Eye	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	19			
Harderian Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21			
Urinary System																									
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21			
Bilateral, Renal Tubule, Dilatation																2							1	2.0	
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	21			

** END OF REPORT **

* ..Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + ..Tissue examined microscopically
 X ..Lesion present
 I ..Insufficient tissue
 M ..Missing tissue
 A ..Autolysis precludes evaluation
 BLANK ..Not examined microscopically
 1-4 ..Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked