

TDMS No. 20537 - 01
Test Type: 90-DAY
Route: INTRADUCTAL CANNULATION
Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Adenoviral Vector (AdhAQP1)
CAS Number: ADN VIRVECAQP

Date Report Requested: 09/10/2009
Time Report Requested: 09:37:09
First Dose M/F: 07/18/05 / NA
Lab: MBA

F1_R2_1Wk_SSAC

C Number: C20537
Lock Date: 11/19/2007
Cage Range: ALL
Date Range: ALL
Reasons For Removal: 25017 SSAC
Removal Date Range: ALL
Treatment Groups: Include 001 VEHCONTRCOHRTA Include 006 2-8ADHAQP1COHTA Include 011 8-9ADHAQP1COHTA
Include 016 2-11ADHAQP1COHTA
Study Gender: Male
TDMSE Version: 2.1.0

TDMS No. 20537 - 01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Adenoviral Vector (AdhAQP1)
 CAS Number: ADNVIRVECAQP

Date Report Requested: 09/10/2009
 Time Report Requested: 09:37:09
 First Dose M/F: 07/18/05 / NA
 Lab: MBA

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
.....					
FISCHER 344 RATS MALE	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
VEHCONTRCOHRTA	0	0	0	0	2
	0	0	0	0	0
	1	3	4	5	2
					* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Left, Parotid Gland, Degeneration		1				1 1.0
Left, Parotid Gland, Mitosis	2		1			2 1.5
Left, Submandibular Gland, Degeneration		3	3			2 3.0

* .. 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

Page 2

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
.....					
FISCHER 344 RATS MALE	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
VEHCONTRCOHRTA	0	0	0	0	2
	0	0	0	0	0
	1	3	4	5	2
	* TOTALS				

Left, Submandibular Gland, Inflammation	2					1 2.0
Left, Submandibular Gland, Mitosis	2					1 2.0
Left, Submandibular Gland, Regeneration			2			1 2.0
Parotid Gland, Right, Degeneration		2				1 2.0
Parotid Gland, Right, Mitosis	2		1			2 1.5
Right, Submandibular Gland, Degeneration				3	2	2 2.5
Right, Submandibular Gland, Inflammation				1		1 1.0
Right, Submandibular Gland, Mitosis			1		2	2 1.5
Right, Submandibular Gland, Regeneration	2			2	2	3 2.0

Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Tongue	+	+	+	+	+	5
Necrosis	2					1 2.0

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	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

TDMS No. 20537 - 01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Adenoviral Vector (AdhAQP1)
 CAS Number: ADNVIRVECAQP

Date Report Requested: 09/10/2009
 Time Report Requested: 09:37:09
 First Dose M/F: 07/18/05 / NA
 Lab: MBA

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	3	3	3	3	3	
<hr/>						
FISCHER 344 RATS MALE	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
VEHCONTRCOHRTA	0	0	0	0	2	
	0	0	0	0	0	
	1	3	4	5	2	* TOTALS
Adrenal Medulla	+	+	+	+	+	5
Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland	+	+	+	+	+	5

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	5
Preputial Gland	+	+	+	+	+	5
Prostate	+	+	+	+	+	5
Seminal Vesicle	+	+	+	+	+	5
Testes	+	+	+	+	+	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

TDMS No. 20537 - 01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Adenoviral Vector (AdhAQP1)
 CAS Number: ADNVIRVECAQP

Date Report Requested: 09/10/2009
 Time Report Requested: 09:37:09
 First Dose M/F: 07/18/05 / NA
 Lab: MBA

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
.....					
FISCHER 344 RATS MALE	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
VEHCONTRCOHRTA	0	0	0	0	2
	0	0	0	0	0
	1	3	4	5	2
	* TOTALS				

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	I	+	+	4
Skin	+	+	+	+	+	5

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	5
------	---	---	---	---	---	----------

NERVOUS 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

TDMS No. 20537 - 01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Adenoviral Vector (AdhAQP1)
 CAS Number: ADNVIRVECAQP

Date Report Requested: 09/10/2009
 Time Report Requested: 09:37:09
 First Dose M/F: 07/18/05 / NA
 Lab: MBA

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	3	3	3	3	3	
.....						
FISCHER 344 RATS MALE	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
VEHCONTRCOHRTA	0	0	0	0	2	
	0	0	0	0	0	
	1	3	4	5	2	
						* TOTALS
Brain	+	+	+	+	+	5
RESPIRATORY SYSTEM						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5
SPECIAL SENSES SYSTEM						
Eye	+	+	+	+	+	5
Retina, Dysplasia		1				1 1.0
Harderian Gland	+	+	+	+	+	5
URINARY SYSTEM						
Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5
Mucosa, Hyperplasia			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

TDMS No. 20537 - 01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Adenoviral Vector (AdhAQP1)
 CAS Number: ADNVIRVECAQP

Date Report Requested: 09/10/2009
 Time Report Requested: 09:37:09
 First Dose M/F: 07/18/05 / NA
 Lab: MBA

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
<hr/>					
FISCHER 344 RATS MALE	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
2-8ADHAQP1COHTA	0	0	0	0	0
	2	2	2	2	3
	6	7	8	9	0
	* TOTALS				

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Left, Parotid Gland, Degeneration		1				1 1.0
Left, Parotid Gland, Mitosis		2		1		2 1.5
Left, Submandibular Gland, Degeneration			4			1 4.0

* .. 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

Page 7

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20537 - 01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Adenoviral Vector (AdhAQP1)
 CAS Number: ADNVIRVECAQP

Date Report Requested: 09/10/2009
 Time Report Requested: 09:37:09
 First Dose M/F: 07/18/05 / NA
 Lab: MBA

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
<hr/>					
FISCHER 344 RATS MALE	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
2-8ADHAQP1COHTA	0	0	0	0	0
	2	2	2	2	3
	6	7	8	9	0
	* TOTALS				

Parathyroid Gland	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland	+	+	+	+	+	5

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	5	
Inflammation			1				1 1.0
Preputial Gland	+	+	+	M	+	4	
Prostate	+	+	+	+	+	5	
Inflammation, Suppurative, Focal, Acute			2				1 2.0
Inflammation, Chronic					1		1 1.0
Seminal Vesicle	+	+	+	+	+	5	
Testes	+	+	+	+	+	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

Page 9

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20537 - 01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Adenoviral Vector (AdhAQP1)
 CAS Number: ADNVIRVECAQP

Date Report Requested: 09/10/2009
 Time Report Requested: 09:37:09
 First Dose M/F: 07/18/05 / NA
 Lab: MBA

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
<hr/>					
FISCHER 344 RATS MALE	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
2-8ADHAQP1COHTA	0	0	0	0	0
	2	2	2	2	3
	6	7	8	9	0
	* TOTALS				

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	M	+	4
Skin	+	+	+	+	+	5

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	5
------	---	---	---	---	---	----------

NERVOUS SYSTEM

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 10

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	3	3	3	3	3	
.....						
FISCHER 344 RATS MALE 2-8ADHAQP1COHTA	ANIMAL ID	0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		2	2	2	2	3
		6	7	8	9	0
						* TOTALS
Brain		+	+	+	+	+
						5
RESPIRATORY SYSTEM						
Lung		+	+	+	+	+
						5
Nose		+	+	+	+	+
						5
Trachea		+	+	+	+	+
						5
SPECIAL SENSES SYSTEM						
Eye		+	+	+	+	+
Retina, Atrophy			1			
						5
						1 1.0
Harderian Gland		+	+	+	+	+
						5
URINARY SYSTEM						
Kidney		+	+	+	+	+
						5
Urinary Bladder		+	+	+	+	+
Mineralization			1			
						5
						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

TDMS No. 20537 - 01

Test Type: 90-DAY

Route: INTRADUCTAL CANNULATION

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Adenoviral Vector (AdhAQP1)

CAS Number: ADNVIRVECAQP

Date Report Requested: 09/10/2009

Time Report Requested: 09:37:09

First Dose M/F: 07/18/05 / NA

Lab: MBA

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
.....					
FISCHER 344 RATS MALE	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
8-9ADHAQP1COHTA	0	0	0	0	2
	5	5	5	5	5
	1	2	3	4	5
	* TOTALS				

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Left, Parotid Gland, Mitosis	1	2	2		1	4 1.5
Left, Submandibular Gland, Degeneration	4					1 4.0
Left, Submandibular Gland, Inflammation	3					1 3.0

* .. 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

TDMS No. 20537 - 01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Adenoviral Vector (AdhAQP1)
 CAS Number: ADNVIRVECAQP

Date Report Requested: 09/10/2009
 Time Report Requested: 09:37:09
 First Dose M/F: 07/18/05 / NA
 Lab: MBA

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	3	3	3	3	3	
<hr/>						
FISCHER 344 RATS MALE 8-9ADHAQP1COHTA ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	2	
	5	5	5	5	5	
	1	2	3	4	5	
						* TOTALS
Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland	+	+	+	+	+	5

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	5
Preputial Gland	+	+	+	+	+	5
Prostate	+	+	+	+	+	5
Seminal Vesicle	+	+	+	+	+	5
Testes	+	+	+	+	+	5

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

TDMS No. 20537 - 01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Adenoviral Vector (AdhAQP1)
 CAS Number: ADNVIRVECAQP

Date Report Requested: 09/10/2009
 Time Report Requested: 09:37:09
 First Dose M/F: 07/18/05 / NA
 Lab: MBA

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	3	3	3	3	3	
<hr/>						
FISCHER 344 RATS MALE 8-9ADHAQP1COHTA	ANIMAL ID	0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	0
		0	0	0	0	2
		5	5	5	5	5
		1	2	3	4	5
						* TOTALS
Bone Marrow		+	+	+	+	5
Lymph Node, Mandibular		M	+	M	M	1
Lymph Node, Mesenteric		+	+	+	+	4
Spleen		+	+	+	+	5
Thymus		+	+	+	+	5
<hr/>						
INTEGUMENTARY SYSTEM						
Mammary Gland		+	+	+	+	5
Skin		+	+	+	+	5
<hr/>						
MUSCULOSKELETAL SYSTEM						
Bone		+	+	+	+	5
<hr/>						
NERVOUS SYSTEM						
Brain		+	+	+	+	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

TDMS No. 20537 - 01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Adenoviral Vector (AdhAQP1)
 CAS Number: ADNVIRVECAQP

Date Report Requested: 09/10/2009
 Time Report Requested: 09:37:09
 First Dose M/F: 07/18/05 / NA
 Lab: MBA

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
<hr/>					
FISCHER 344 RATS MALE	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
8-9ADHAQP1COHTA	0	0	0	0	2
	5	5	5	5	5
	1	2	3	4	5
					* TOTALS

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5

URINARY SYSTEM

Kidney	+	+	+	+	+	5
Renal Tubule, Casts Protein		1				1 1.0
Urinary Bladder	+	+	+	+	+	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

Page 16

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20537 - 01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Adenoviral Vector (AdhAQP1)
 CAS Number: ADNVIRVECAQP

Date Report Requested: 09/10/2009
 Time Report Requested: 09:37:09
 First Dose M/F: 07/18/05 / NA
 Lab: MBA

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
<hr/>					
FISCHER 344 RATS MALE	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
2-11ADHAQP1COHTA	0	0	0	0	0
	7	7	7	7	8
	6	7	8	9	0
	* TOTALS				

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	5
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Oral Mucosa	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Left, Parotid Gland, Mitosis				1		1 1.0
Left, Submandibular Gland, Degeneration			3			1 3.0
Left, Submandibular Gland, Inflammation			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

Page 17

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20537 - 01

Test Type: 90-DAY

Route: INTRADUCTAL CANNULATION

Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL

Adenoviral Vector (AdhAQP1)

CAS Number: ADNVIRVECAQP

Date Report Requested: 09/10/2009

Time Report Requested: 09:37:09

First Dose M/F: 07/18/05 / NA

Lab: MBA

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	3	3	3	3	3	
<hr/>						
FISCHER 344 RATS MALE	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
2-11ADHAQP1COHTA	0	0	0	0	0	
	7	7	7	7	8	
	6	7	8	9	0	
						* TOTALS
Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	+	+	5
Pituitary Gland	+	+	+	+	+	5
Thyroid Gland	+	+	+	+	+	5

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	5
Preputial Gland	+	+	+	+	+	5
Prostate	+	+	+	+	+	5
Seminal Vesicle	+	+	+	+	+	5
Testes	+	+	+	+	+	5

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

TDMS No. 20537 - 01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Adenoviral Vector (AdhAQP1)
 CAS Number: ADNVIRVECAQP

Date Report Requested: 09/10/2009
 Time Report Requested: 09:37:09
 First Dose M/F: 07/18/05 / NA
 Lab: MBA

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	3	3	3	3	3	
<hr/>						
FISCHER 344 RATS MALE	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
2-11ADHAQP1COHTA	0	0	0	0	0	
	7	7	7	7	8	
	6	7	8	9	0	
						* TOTALS
Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	M	M	M	M	M	0
Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5
<hr/>						
INTEGUMENTARY SYSTEM						
Mammary Gland	M	+	+	+	M	3
Skin	+	+	+	+	+	5
<hr/>						
MUSCULOSKELETAL SYSTEM						
Bone	+	+	+	+	+	5
<hr/>						
NERVOUS SYSTEM						
Brain	+	+	+	+	+	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

TDMS No. 20537 - 01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Adenoviral Vector (AdhAQP1)
 CAS Number: ADNVIRVECAQP

Date Report Requested: 09/10/2009
 Time Report Requested: 09:37:09
 First Dose M/F: 07/18/05 / NA
 Lab: MBA

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
<hr/>					
FISCHER 344 RATS MALE	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
2-11ADHAQP1COHTA	0	0	0	0	0
	7	7	7	7	8
	6	7	8	9	0
	* TOTALS				

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5
Trachea	+	+	+	+	+	5

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	5
Harderian Gland	+	+	+	+	+	5

URINARY SYSTEM

Kidney	+	+	+	+	+	5
Urinary Bladder	+	+	+	+	+	5

*** END OF MALE DATA ***

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

+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

Page 21

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

TDMS No. 20537 - 01
 Test Type: 90-DAY
 Route: INTRADUCTAL CANNULATION
 Species/Strain: RATS/F 344/N

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 Adenoviral Vector (AdhAQP1)
 CAS Number: ADNVIRVECAQP

Date Report Requested: 09/10/2009
 Time Report Requested: 09:37:09
 First Dose M/F: 07/18/05 / NA
 Lab: MBA

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
.....					
FISCHER 344 RATS MALE	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
2-11ADHAQP1COHTA	0	0	0	0	0
	7	7	7	7	8
	6	7	8	9	0
					* TOTALS

*** END OF REPORT ***