

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: 09:38:44
First Dose M/F: 07/18/05 / NA
Lab: MBA

F1_R2_3Wk_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 002 VEHCONTRCOHRTB	Include 007 2-8ADHAQP1COHTB	Include 012 8-9ADHAQP1COHTB
	Include 017 2-11ADHAQP1COHTB		
Study Gender:	Male		
TDMSE Version:	2.1.0		

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DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
.....					
FISCHER 344 RATS MALE VEHCONTRCOHRTB ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	1
	6	7	8	9	0
					* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	5	
Intestine Large, Cecum	+	+	+	+	+	5	
Intestine Large, Colon Hemorrhage, Diffuse	+	+	+	+	+	5	1 4.0
Intestine Large, Rectum	+	+	+	+	+	5	
Intestine Small, Duodenum	+	+	+	+	+	5	
Intestine Small, Ileum	+	+	+	+	+	5	
Intestine Small, Jejunum	+	+	+	+	+	5	
Liver Inflammation	+	+	+	+	+	5	2 1.0
Oral Mucosa	+	+	+	+	+	5	
Pancreas	+	+	+	+	+	5	
Salivary Glands Right, Submandibular Gland, Inflammation	+	+	+	+	+	5	4 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

Page 2

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Lab: MBA

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
FISCHER 344 RATS MALE VEHCONTRCOHRTB ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	1	
	6	7	8	9	0	
						* TOTALS
Right, Submandibular Gland, Regeneration	2	2	2	2	2	5 2.0
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular Mineralization	+	+	+	+	+	5 1 1.0
Tongue	+	+	+	+	+	5
CARDIOVASCULAR SYSTEM						
Blood Vessel	+	+	+	+	+	5
Heart	+	+	+	+	+	5
Cardiomyopathy			1			1 1.0
ENDOCRINE SYSTEM						
Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5
Islets, Pancreatic	+	+	+	+	+	5
Parathyroid Gland	+	+	+	+	+	5

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

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Page 3

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
FISCHER 344 RATS MALE VEHCONTRCOHRTB ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	1
	6	7	8	9	0
					* TOTALS

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

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	5
Preputial Gland	+	+	+	+	+	5
Prostate	+	+	+	+	+	5
Inflammation	3				1	2 2.0
Seminal Vesicle	+	+	+	+	+	5
Testes	+	+	+	+	+	5

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	5
Lymph Node, Mandibular	M	M	M	M	M	0

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Page 4

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

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
FISCHER 344 RATS MALE VEHCONTRCOHRTB ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	1
	6	7	8	9	0
					* TOTALS

Lymph Node, Mesenteric	+	+	+	+	+	5
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5

INTEGUMENTARY SYSTEM

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

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

Brain	+	+	+	+	+	5
-------	---	---	---	---	---	---

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	5
------	---	---	---	---	---	---

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1-4 .. Lesion qualified as:
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Species/Strain: RATS/F 344/N

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

Date Report Requested: 09/10/2009
Time Report Requested: 09:38:44
First Dose M/F: 07/18/05 / NA
Lab: MBA

DAY ON TEST		0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		5	5	5	5	5
FISCHER 344 RATS MALE		0	0	0	0	0
VEHCONTRCOHRTB		0	0	0	0	0
ANIMAL ID		0	0	0	0	0
		0	0	0	0	1
		6	7	8	9	0
		* TOTALS				
Nose		+	+	+	+	5
Trachea		+	+	+	+	5
SPECIAL SENSES SYSTEM						
Eye		+	+	+	+	5
Harderian Gland		+	+	+	+	5
URINARY SYSTEM						
Kidney		+	+	+	+	5
Urinary Bladder		+	+	+	+	5

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1-4 .. Lesion qualified as:

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Page 6

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
FISCHER 344 RATS MALE ANIMAL ID 2-8ADHAQP1COHTB	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
	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
Right, Submandibular Gland, Inflammation	1		1			2 1.0
Right, Submandibular Gland, Regeneration	3	2	3	3	3	5 2.8

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l .. Insufficient tissue

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Page 7

1-4 .. Lesion qualified as:

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Species/Strain: RATS/F 344/N

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

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Time Report Requested: 09:38:44
First Dose M/F: 07/18/05 / NA
Lab: MBA

		0	0	0	0	0			
DAY ON TEST		0	0	0	0	0			
		1	1	1	1	1			
		5	5	5	5	5			
FISCHER 344 RATS MALE		0	0	0	0	0			
ANIMAL ID		0	0	0	0	0			
2-8ADHAQP1COHTB		0	0	0	0	0			
		3	3	3	3	3			
		1	2	3	4	5			
								* TOTALS	
Stomach, Forestomach		+	+	+	+	+	5		
Stomach, Glandular Mineralization		+	+	+	+	+	5		2 1.5
Tongue		+	+	+	+	+	5		
CARDIOVASCULAR SYSTEM									
Blood Vessel		+	+	+	+	+	5		
Heart		+	+	+	+	+	5		
Cardiomyopathy			1				1 1.0		
ENDOCRINE SYSTEM									
Adrenal Cortex		+	+	+	+	+	5		
Adrenal Medulla		+	+	+	+	+	5		
Islets, Pancreatic		+	+	+	+	+	5		
Parathyroid Gland		+	+	+	+	+	5		
Pituitary Gland		+	+	+	+	+	5		

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Page 8

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
FISCHER 344 RATS MALE ANIMAL ID 2-8ADHAQP1COHTB	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	3	3	3	3	3
	1	2	3	4	5
					* TOTALS
Thyroid Gland	+	+	+	+	5

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

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

HEMATOPOIETIC SYSTEM

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

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+ .. Tissue examined microscopically
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Page 9

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
FISCHER 344 RATS MALE ANIMAL ID 2-8ADHAQP1COHTB	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	3	3	3	3	3	
	1	2	3	4	5	
						* TOTALS
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5
INTEGUMENTARY SYSTEM						
Mammary Gland	+	+	+	+	+	5
Skin	+	+	+	+	+	5
MUSCULOSKELETAL SYSTEM						
Bone	+	+	+	+	+	5
NERVOUS SYSTEM						
Brain	+	+	+	+	+	5
RESPIRATORY SYSTEM						
Lung	+	+	+	+	+	5
Nose	+	+	+	+	+	5

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Route: INTRADUCTAL CANNULATION
Species/Strain: RATS/F 344/N

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

Date Report Requested: 09/10/2009
Time Report Requested: 09:38:44
First Dose M/F: 07/18/05 / NA
Lab: MBA

DAY ON TEST		0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		5	5	5	5	5	
FISCHER 344 RATS MALE		0	0	0	0	0	
ANIMAL ID		0	0	0	0	0	
2-8ADHAQP1COHTB		0	0	0	0	0	
		3	3	3	3	3	
		1	2	3	4	5	
							* TOTALS
Trachea		+	+	+	+	+	5
SPECIAL SENSES SYSTEM							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
URINARY SYSTEM							
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
FISCHER 344 RATS MALE ANIMAL ID 8-9ADHAQP1COHTB	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	6
	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, Submandibular Gland, Inflammation					1		1 1.0
Left, Submandibular Gland, Regeneration					1		1 1.0
Right, Sublingual Gland, Inflammation					2		1 2.0

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I .. Insufficient tissue

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

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Species/Strain: RATS/F 344/N

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

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

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
FISCHER 344 RATS MALE ANIMAL ID 8-9ADHAQP1COHTB	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	5	5	5	5	6	
	6	7	8	9	0	
						* TOTALS
Right, Sublingual Gland, Regeneration					3	1 3.0
Right, Submandibular Gland, Inflammation	3	2	3		2	4 2.5
Right, Submandibular Gland, Regeneration	3	2	3		3	4 2.8
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Mineralization	1					1 1.0
Tongue	+	+	+	+	+	5
Fibrosis, Focal		3				1 3.0

CARDIOVASCULAR SYSTEM

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

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5
Islets, Pancreatic	+	+	+	+	+	5

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Page 13

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	5	5	5	5	5	
FISCHER 344 RATS MALE ANIMAL ID 8-9ADHAQP1COHTB	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	5	5	5	5	6	
	6	7	8	9	0	
						* TOTALS
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						
Bone Marrow	+	+	+	+	+	5

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Page 14

		0	0	0	0	0	
DAY ON TEST		0	0	0	0	0	
		1	1	1	1	1	
		5	5	5	5	5	
.....							
FISCHER 344 RATS MALE		0	0	0	0	0	
8-9ADHAQP1COHTB		0	0	0	0	0	
		0	0	0	0	0	
		0	0	0	0	0	
		5	5	5	5	6	
		6	7	8	9	0	
							* TOTALS
Lymph Node, Mandibular		M	M	M	M	M	0
.....							
Lymph Node, Mesenteric		+	+	+	+	+	5
.....							
Spleen		+	+	+	+	+	5
.....							
Thymus		+	+	+	+	+	5
.....							
INTEGUMENTARY SYSTEM							
.....							
Mammary Gland		M	M	+	+	+	3
.....							
Skin		+	+	+	+	+	5
.....							
MUSCULOSKELETAL SYSTEM							
.....							
Bone		+	+	+	+	+	5
.....							
NERVOUS SYSTEM							
.....							
Brain		+	+	+	+	+	5
.....							
RESPIRATORY SYSTEM							
.....							

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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Page 15

DAY ON TEST		0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		5	5	5	5	5	
FISCHER 344 RATS MALE		0	0	0	0	0	
ANIMAL ID		0	0	0	0	0	
8-9ADHAQP1COHTB		0	0	0	0	0	
		5	5	5	5	6	
		6	7	8	9	0	
							* TOTALS
Lung		+	+	+	+	+	5
Nose		+	+	+	+	+	5
Trachea		+	+	+	+	+	5
SPECIAL SENSES SYSTEM							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
URINARY SYSTEM							
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5

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x .. Lesion present

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2) Mild 4) Marked

Page 16

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
FISCHER 344 RATS MALE ANIMAL ID 2-11ADHAQP1COHTB	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	8	8	8	8	8
	1	2	3	4	5
					* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	5	
Intestine Large, Cecum	+	+	+	+	+	5	
Intestine Large, Colon Hemorrhage, Diffuse, Acute	+	+	+	+	+	5	1 4.0
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, Submandibular Gland, Inflammation			1	1			2 1.0
Right, Submandibular Gland, Inflammation	3	3	2	2	3		5 2.6

* .. 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

DAY ON TEST		0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		5	5	5	5	5	
FISCHER 344 RATS MALE		0	0	0	0	0	
ANIMAL ID		0	0	0	0	0	
2-11ADHAQP1COHTB		0	0	0	0	0	
		8	8	8	8	8	
		1	2	3	4	5	
							* TOTALS
Right, Submandibular Gland, Regeneration		3	3	2	2	3	5 2.6
Stomach, Forestomach		+	+	+	+	+	5
Stomach, Glandular		+	+	+	+	+	5
Tongue		+	+	+	+	+	5
CARDIOVASCULAR SYSTEM							
Blood Vessel		+	+	+	+	+	5
Heart		+	+	+	+	+	5
ENDOCRINE SYSTEM							
Adrenal Cortex		+	+	+	+	+	5
Adrenal Medulla		+	+	+	+	+	5
Islets, Pancreatic		+	+	+	+	+	5
Parathyroid Gland		+	+	+	+	+	5
Pituitary Gland		+	+	+	+	+	5

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

Page 18

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	5	5	5	5	5
FISCHER 344 RATS MALE ANIMAL ID 2-11ADHAQP1COHTB	0	0	0	0	0
	0	0	0	0	0
	0	0	0	0	0
	8	8	8	8	8
	1	2	3	4	5
					* TOTALS

Thyroid Gland	+	+	+	+	+	5
---------------	---	---	---	---	---	---

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

Epididymis	+	+	+	+	+	5
Preputial Gland	+	M	+	+	+	4
Prostate	+	+	+	+	+	5
Seminal Vesicle	+	+	+	+	+	5
Testes	+	+	+	+	+	5

HEMATOPOIETIC SYSTEM

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

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Page 19

1-4 .. Lesion qualified as:
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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: ADNIRVECAQP

Date Report Requested: 09/10/2009
Time Report Requested: 09:38:44
First Dose M/F: 07/18/05 / NA
Lab: MBA

DAY ON TEST		0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		5	5	5	5	5	
FISCHER 344 RATS MALE		0	0	0	0	0	
ANIMAL ID		0	0	0	0	0	
2-11ADHAQP1COHTB		0	0	0	0	0	
		8	8	8	8	8	
		1	2	3	4	5	
							* TOTALS
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
INTEGUMENTARY SYSTEM							
Mammary Gland		+	+	M	+	+	4
Skin		+	+	+	+	+	5
MUSCULOSKELETAL SYSTEM							
Bone		+	+	+	+	+	5
NERVOUS SYSTEM							
Brain		+	+	+	+	+	5
RESPIRATORY SYSTEM							
Lung		+	+	+	+	+	5
Nose		+	+	+	+	+	5

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Page 20

1-4 .. Lesion qualified as:

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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: ADN VIRVECAQP

Date Report Requested: 09/10/2009
Time Report Requested: 09:38:44
First Dose M/F: 07/18/05 / NA
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DAY ON TEST		0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		5	5	5	5	5	
FISCHER 344 RATS MALE		0	0	0	0	0	
ANIMAL ID		0	0	0	0	0	
2-11ADHAQP1COHTB		0	0	0	0	0	
		8	8	8	8	8	
		1	2	3	4	5	
							* TOTALS
Trachea		+	+	+	+	+	5
SPECIAL SENSES SYSTEM							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
URINARY SYSTEM							
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5

*** END OF MALE DATA ***

*** END OF REPORT ***