

TDMS No. 20537 - 02
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: 11:36:30
First Dose M/F: NA / 07/25/05
Lab: MBA

F1_R2_9Wk_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 004 VEHCONTRCOHRTD	Include 009 2-8ADHAQP1COHTD
	Include 014 8-9ADHAQP1COHTD	Include 019 2-11ADHAQP1COHTD	
Study Gender:	Female		
TDMSE Version:	2.1.0		

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Lab: MBA

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	5
	7	7	7	7	7
FISCHER 344 RATS FEMALE VEHCONTRCOHRTD ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	1	1	1	1	2
	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	
Inflammation	1	1	1				3 1.0
Oral Mucosa	+	+	+	+	+	5	
Pancreas	+	+	+	+	+	5	
Salivary Glands	+	+	+	+	+	5	
Right, Submandibular Gland, Regeneration	1	1	1	1	2		5 1.2

* .. 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

Page 2

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

		0	0	0	0	0		
DAY ON TEST		0	0	0	0	0		
		5	5	5	5	5		
		7	7	7	7	7		
FISCHER 344 RATS FEMALE		0	0	0	0	0		
ANIMAL ID		0	0	0	0	0		
VEHCONTRCOHRTD		1	1	1	1	1		
		1	1	1	1	2		
		6	7	8	9	0		
								* TOTALS
Stomach, Forestomach		+	+	+	+	+	5	
Stomach, Glandular		+	+	+	+	+	5	
Tongue		+	+	+	+	+	5	
CARDIOVASCULAR SYSTEM								
Blood Vessel		+	+	+	+	+	5	
Heart		+	+	+	+	+	5	
Cardiomyopathy		1	1	1			3 1.0	
ENDOCRINE SYSTEM								
Adrenal Cortex		+	+	+	+	+	5	
Adrenal Medulla		+	+	+	+	+	5	
Islets, Pancreatic		+	+	+	+	+	5	
Parathyroid Gland		+	+	+	+	+	5	
Pituitary Gland		+	+		+		3	

* .. 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
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Page 3

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
	5	5	5	5	5
	7	7	7	7	7
FISCHER 344 RATS FEMALE VEHCONTRCOHRTD ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	1	1	1	1	2
	6	7	8	9	0
					* TOTALS

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

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	5
Ovary	+	+	+	+	+	5
Uterus	+	+	+	+	+	5

HEMATOPOIETIC SYSTEM

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

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

Page 4

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	5
	7	7	7	7	7
FISCHER 344 RATS FEMALE ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	1	1	1	1	2
	6	7	8	9	0
VEHCONTRCOHRTD					
					* TOTALS

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	5
Skin	+	+	+	+	+	5

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

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

SPECIAL SENSES SYSTEM

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Adenoviral Vector (AdhAQP1)
CAS Number: ADNIRVECAQP

Date Report Requested: 09/10/2009
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First Dose M/F: NA / 07/25/05
Lab: MBA

DAY ON TEST		0	0	0	0	0
		0	0	0	0	0
		5	5	5	5	5
		7	7	7	7	7
FISCHER 344 RATS FEMALE		0	0	0	0	0
VEHCONTRCOHRTD		0	0	0	0	0
ANIMAL ID		1	1	1	1	1
		1	1	1	1	2
		6	7	8	9	0
						* TOTALS
Eye		+	+	+	+	5
Cornea, Inflammation, Chronic				2		1 2.0
Harderian Gland		+	+	+	+	5
URINARY SYSTEM						
Kidney		+	+	+	+	5
Urinary Bladder		+	+	+	+	5

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

+ .. Tissue examined microscopically

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1-4 .. Lesion qualified as:

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DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	5
	7	7	7	7	7
FISCHER 344 RATS FEMALE ANIMAL ID 2-8ADHAQP1COHTD	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	4	4	4	4	4
	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	
Inflammation			1				1 1.0
Oral Mucosa	+	+	+	+	+	5	
Pancreas	+	+	+	+	+	5	
Salivary Glands	+		+	+	+	4	
Right, Submandibular Gland, Regeneration	1		1	3	1		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

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Page 7

1-4 .. Lesion qualified as:

1) Minimal 3) Moderate

2) Mild 4) Marked

		0	0	0	0	0	
DAY ON TEST		0	0	0	0	0	
		5	5	5	5	5	
		7	7	7	7	7	
.....							
FISCHER 344 RATS FEMALE 2-8ADHAQP1COHTD		0	0	0	0	0	
		0	0	0	0	0	
		1	1	1	1	1	
		4	4	4	4	4	
		1	2	3	4	5	
							* TOTALS
Stomach, Forestomach		+	+	+	+	+	5
.....							
Stomach, Glandular		+	+	+	+	+	5
.....							
Tongue		+	+	+	+	+	5
.....							
CARDIOVASCULAR SYSTEM							
.....							
Blood Vessel		+	+	+	+	+	5
.....							
Heart		+	+	+	+	+	5
Cardiomyopathy				1	1		2 1.0
.....							
ENDOCRINE SYSTEM							
.....							
Adrenal Cortex		+	+	+	+	+	5
.....							
Adrenal Medulla		+	+	+	+	+	5
.....							
Islets, Pancreatic		+	+	+	+	+	5
.....							
Parathyroid Gland		+	+	+	+	+	5
.....							
Pituitary Gland		+	+	+	+	+	5
.....							

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
+ .. Tissue examined microscopically
x .. Lesion present
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Page 8

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	5
	7	7	7	7	7
FISCHER 344 RATS FEMALE 2-8ADHAQP1COHTD ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	4	4	4	4	4
	1	2	3	4	5
					* TOTALS

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

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	5
Ovary	+	+	+	+	+	5
Uterus	+	+	+	+	+	5

HEMATOPOIETIC SYSTEM

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

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Page 9

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	5
	7	7	7	7	7
FISCHER 344 RATS FEMALE ANIMAL ID 2-8ADHAQP1COHTD	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	4	4	4	4	4
	1	2	3	4	5
					* TOTALS

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	5
Skin	+	+	+	+	+	5

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

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

SPECIAL SENSES SYSTEM

DAY ON TEST		0	0	0	0	0
		0	0	0	0	0
		5	5	5	5	5
		7	7	7	7	7
FISCHER 344 RATS FEMALE		0	0	0	0	0
ANIMAL ID		0	0	0	0	0
2-8ADHAQP1COHTD		1	1	1	1	1
		4	4	4	4	4
		1	2	3	4	5
* TOTALS						
Eye		+	+	+	+	+
Cornea, Degeneration			2			
Retina, Atrophy		1				
Harderian Gland		+	+	+	+	+
URINARY SYSTEM						
Kidney		+	+	+	+	+
Urinary Bladder		+	+	+	+	+

TDMS No. 20537 - 02
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CAS Number: ADNIRVECAQP

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First Dose M/F: NA / 07/25/05
Lab: MBA

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	5
	7	7	7	7	7
FISCHER 344 RATS FEMALE ANIMAL ID 8-9ADHAQP1COHTD	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	6	6	6	6	7
	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	
Inflammation			2	1			2 1.5
Oral Mucosa	+	+	+	+	+	5	
Pancreas	+	+	+	+	+	5	
Salivary Glands		+	+	+	+	4	
Right, Submandibular Gland, Regeneration	1	1	1	1			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

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1-4 .. Lesion qualified as:

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2) Mild 4) Marked

Page 12

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	5	5	5	5	5	
	7	7	7	7	7	
FISCHER 344 RATS FEMALE ANIMAL ID 8-9ADHAQP1COHTD	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	6	6	6	6	7	
	6	7	8	9	0	
						* TOTALS
Stomach, Forestomach						5
Stomach, Glandular						5
Tongue						5
CARDIOVASCULAR SYSTEM						
Blood Vessel						5
Heart						5
Cardiomyopathy						1 1.0
ENDOCRINE SYSTEM						
Adrenal Cortex						5
Capsule, Fibrosis, Focal						1 1.0
Adrenal Medulla						5
Islets, Pancreatic						5
Parathyroid Gland						5
Pituitary Gland						4

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Page 13

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	5
	7	7	7	7	7
FISCHER 344 RATS FEMALE ANIMAL ID 8-9ADHAQP1COHTD	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	6	6	6	6	7
	6	7	8	9	0
					* TOTALS

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

GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	5
Ovary	+	+	+	+	+	5
Uterus	+	+	+	+	+	5

HEMATOPOIETIC SYSTEM

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

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+ .. Tissue examined microscopically
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Page 14

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	5
	7	7	7	7	7
FISCHER 344 RATS FEMALE ANIMAL ID 8-9ADHAQP1COHTD	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	6	6	6	6	7
	6	7	8	9	0
					* TOTALS

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	5
Skin	+	+	+	+	+	5

MUSCULOSKELETAL SYSTEM

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

NERVOUS SYSTEM

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

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	5	
Alveolus, Hyperplasia, Focal				1			1 1.0
Nose	+	+	+	+	+	5	
Trachea	+	+	+	+	+	5	

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Page 15

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	5
	7	7	7	7	7
FISCHER 344 RATS FEMALE ANIMAL ID 8-9ADHAQP1COHTD	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	6	6	6	6	7
	6	7	8	9	0
					* TOTALS

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	5	1 2.0
Cornea, Ulcer		2					
Harderian Gland	+	+	+	+	+	5	

URINARY SYSTEM

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

DAY ON TEST		0	0	0	0	0
		0	0	0	0	0
		5	5	5	5	5
		7	7	7	7	7
FISCHER 344 RATS FEMALE 2-11ADHAQP1COHTD ANIMAL ID		0	0	0	0	0
		0	0	0	0	0
		1	1	1	1	1
		9	9	9	9	9
		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	
Inflammation		1	1	1			3 1.0
Oral Mucosa	+	+	+	+	+	5	
Pancreas	+	+	+	+	+	5	
Salivary Glands	+	+	+	+	+	5	
Right, Submandibular Gland, Inflammation	1			1	1		3 1.0
Right, Submandibular Gland, Regeneration	2	1	1	2	1		5 1.4

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+ .. Tissue examined microscopically

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DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	5
	7	7	7	7	7
FISCHER 344 RATS FEMALE ANIMAL ID 2-11ADHAQP1COHTD	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	9	9	9	9	9
	1	2	3	4	5
					* TOTALS

Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	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	+	+	+	I	+	4

* .. 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

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DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	5
	7	7	7	7	7
FISCHER 344 RATS FEMALE ANIMAL ID 2-11ADHAQP1COHTD	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	9	9	9	9	9
	1	2	3	4	5
					* TOTALS

Thyroid Gland	+	+	+	+	+	5
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GENERAL BODY SYSTEM
NONE

GENITAL SYSTEM

Clitoral Gland	+	I	+	+	+	4
Ovary	+	+	+	+	+	5
Uterus	+	+	+	+	+	5

HEMATOPOIETIC SYSTEM

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

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DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	5
	7	7	7	7	7
FISCHER 344 RATS FEMALE ANIMAL ID 2-11ADHAQP1COHTD	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	9	9	9	9	9
	1	2	3	4	5
					* TOTALS

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	5
Skin	+	+	+	+	+	5

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	5
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NERVOUS SYSTEM

Brain	+	+	+	+	+	5
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RESPIRATORY SYSTEM

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

TDMS No. 20537 - 02
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: 11:36:30
First Dose M/F: NA / 07/25/05
Lab: MBA

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	5
	7	7	7	7	7
FISCHER 344 RATS FEMALE ANIMAL ID 2-11ADHAQP1COHTD	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	9	9	9	9	9
	1	2	3	4	5
					* TOTALS

SPECIAL SENSES SYSTEM

Eye	+	+	+	+	+	5	
Harderian Gland	+	+	+	+	+	5	
Inflammation			1				1 1.0

URINARY SYSTEM

Kidney	+	+	+	+	+	5	
Renal Tubule, Mineralization			1				1 1.0
Urinary Bladder	+	+	+	+	+	5	

*** END OF REPORT ***