

TDMS No. 93020 - 03
Test Type: 90-DAY
Route: SKIN APPLICATION
Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
DIISOPROPYLCARBODIIMIDE
CAS Number: 693-13-0
Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.
Final #2/Rats

Date Report Reqsted: 08/08/2005
Time Report Reqsted: 08:53:32
First Dose M/F: 09/06/94 / 09/07/94
Lab: MBA

C Number: C93020
Lock Date: 05/16/1995
Cage Range: ALL
Date Range: ALL
Reasons For Removal: ALL
Removal Date Range: ALL
Treatment Groups: Include ALL

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0 MG/KG	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Periportal, Vacuolization Cytoplasmic			1								1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Acinus, Atrophy, Focal						1					1 1.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10

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	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0 MG/KG	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

Stomach, Glandular + + + + + + + + + + **10**

CARDIOVASCULAR SYSTEM

Blood Vessel + + + + + + + + + + **10**

Heart + + + + + + + + + + **10**

 Cardiomyopathy 2 1 1 1 **4 1.3**

ENDOCRINE SYSTEM

Adrenal Cortex + + + + + + + + + + **10**

Adrenal Medulla + + + + + + + + + + **10**

Islets, Pancreatic + + + + + + + + + + **10**

Parathyroid Gland M + + M + + + M + M **6**

Pituitary Gland + + + + + + + + + + **10**

Thyroid Gland + + + + + + + M + + **9**

GENERAL BODY SYSTEM

NONE

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		9	9	9	9	9	9	9	9	9
		2	2	2	2	2	2	2	2	2
FISCHER 344 RATS MALE		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 MG/KG	0	0	0	0	0	0	0	0	1
		1	2	3	4	5	6	7	8	9
* TOTALS										

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	10 2 2.0
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular Hyperplasia, Lymphoid Hyperplasia, Plasma Cell	+	+	+	+	+	+	+	+	+	+	10 1 2.0 1 2.0
Lymph Node, Mesenteric Necrosis	+	+	+	+	+	+	+	+	+	+	10 1 1.0
Spleen	+	+	+	+	+	+	+	+	+	+	10

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	2	2	2	2	2	2	2	2	2	2	
.....											
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0 MG/KG	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	* TOTALS
Thymus	+	+	+	+	+	+	+	+	+	+	10
INTEGUMENTARY SYSTEM											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10
MUSCULOSKELETAL SYSTEM											
Bone	+	+	+	+	+	+	+	+	+	+	10
Skeletal Muscle	+	+	+	+	+	+	+	M	+	+	9
NERVOUS SYSTEM											
Brain	+	+	+	+	+	+	+	+	+	+	10
Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	10
Spinal Cord	+	+	+	+	+	+	+	+	+	+	10
RESPIRATORY SYSTEM											
Lung	+	+	+	+	+	+	+	+	+	+	10

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		9	9	9	9	9	9	9	9	9	9		
		2	2	2	2	2	2	2	2	2	2		
FISCHER 344 RATS MALE		0	0	0	0	0	0	0	0	0	0		
ANIMAL ID		0	0	0	0	0	0	0	0	0	0		
0 MG/KG		0	0	0	0	0	0	0	0	0	0		
		0	0	0	0	0	0	0	0	0	1		
		1	2	3	4	5	6	7	8	9	0	* TOTALS	
Perivascular, Infiltration Cellular, Lymphocyte		1			1			3				3 1.7	
Interstitial, Inflammation, Chronic Active					1							1 1.0	
Alveolus, Infiltration Cellular, Histiocyte								1				1 1.0	
Nose		+	+	+	+	+	+	+	+	+	+	10	
Respiratory Epithelium, Inflammation, Chronic Active					2		1			1		3 1.3	
Trachea		+	+	+	+	+	+	+	+	+	+	10	
SPECIAL SENSES SYSTEM													
NONE													
URINARY SYSTEM													
Kidney		+	+	+	+	+	+	+	+	+	+	10	
Nephropathy			1	1	1	1		1				5 1.0	
Urinary Bladder		+	+	+	+	+	+	+	+	+	+	10	

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	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
10 MG/KG	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM
 NONE

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy		1						1	1	1	4 1.0

ENDOCRINE SYSTEM
 NONE

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM
 NONE

HEMATOPOIETIC SYSTEM

Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10

INTEGUMENTARY SYSTEM

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	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
10 MG/KG	0	0	0	0	0	0	0	0	0	0
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Skin	+	+	+	+	+	+	+	+	+	+	10
Epidermis, Skin, Site Of Application, Hyperplasia			1				1	1	1	1	5 1.0

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
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RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

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	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
20 MG/KG	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM
 NONE

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy		1	1	1	1			1	1		6 1.0

ENDOCRINE SYSTEM
 NONE

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM
 NONE

HEMATOPOIETIC SYSTEM

Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10

INTEGUMENTARY SYSTEM

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	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
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20 MG/KG	0	0	0	0	0	0	0	0	0	0
	2	2	2	2	2	2	2	2	2	3
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Skin	+	+	+	+	+	+	+	+	+	+	10
Epidermis, Skin, Site Of Application, Hyperplasia		1	1	1	1	1	1	1			7 1.0

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	-----------

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

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FISCHER 344 RATS MALE		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
	40 MG/KG	3	3	3	3	3	3	3	3	3	4
		1	2	3	4	5	6	7	8	9	0
* TOTALS											

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular Infiltration Cellular, Mixed Cell	+	+	+	+	+	+	+	+	+	+	10
				1							1 1.0

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FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
40 MG/KG	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

Cyst	2	1 2.0
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CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy	1	1			1			1			4 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	M	+	M	+	M	+	+	7
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

GENERAL BODY SYSTEM

NONE

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 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 DIISOPROPYLCARBODIIMIDE
CAS Number: 693-13-0
Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005
Time Report Reqsted: 08:53:32
First Dose M/F: 09/06/94 / 09/07/94
Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
40 MG/KG	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active							2	3			2 2.5
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Hemorrhage								1			1 1.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
40 MG/KG	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	M	+	+	+	+	9
Skin	+	+	+	+	+	+	+	+	+	+	10
Epidermis, Skin, Site Of Application, Hyperplasia	1	2	2	1	1	1	2	2	2	2	10 1.6
Skin, Site Of Application, Inflammation, Chronic Active			1								1 1.0

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	10
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	10

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
Peripheral Nerve	+	+	+	+	+	M	+	+	+	+	9
Spinal Cord	+	+	+	+	+	+	+	+	+	+	10

RESPIRATORY SYSTEM

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
40 MG/KG	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	3	3	3	4
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

Lung	+	+	+	+	+	+	+	+	+	+	10
Perivascular, Infiltration Cellular, Lymphocyte			1	1	1		1	1		1	6 1.0
Nose	+	+	+	+	+	+	+	+	+	+	10
Respiratory Epithelium, Inflammation, Chronic Active				1							1 1.0
Squamous Epithelium, Inflammation, Chronic						1					1 1.0
Trachea	+	+	+	+	+	+	+	+	+	+	10

SPECIAL SENSES SYSTEM
 NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Nephropathy				1				1			2 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

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First Dose M/F: 09/06/94 / 09/07/94
Lab: MBA

DAY ON TEST		0	0	0	0	0	0	0	0	0	0
		2	4	2	2	2	3	2	2	1	2
		5	6	4	5	5	2	1	4	8	1
.....											
FISCHER 344 RATS MALE		0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0
80 MG/KG		0	0	0	0	0	0	0	0	0	0
		4	4	4	4	4	4	4	4	4	5
		1	2	3	4	5	6	7	8	9	0
											* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Centrilobular, Congestion		2		2	1			1			4 1.5
Centrilobular, Vacuolization Cytoplasmic								1			1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	2	4	2	2	2	3	2	2	1	2
	5	6	4	5	5	2	1	4	8	1
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
80 MG/KG	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

Stomach, Glandular + + + + + + + + + + **10**

CARDIOVASCULAR SYSTEM

Blood Vessel + + + + + + + + + + **10**

Heart + + + + + + + + + + **10**

 Cardiomyopathy 2 1 1 1 1 **5 1.2**

 Artery, Inflammation, Chronic Active 1 **1 1.0**

ENDOCRINE SYSTEM

Adrenal Cortex + + + + + + + + + + **10**

Adrenal Medulla + + + + + + + + + + **10**

Islets, Pancreatic + + + + + + + + + + **10**

Parathyroid Gland M + + + + + + + + + **9**

Pituitary Gland + + + + + + + M + + **9**

Thyroid Gland + + + + + + + + + + **10**

GENERAL BODY SYSTEM

NONE

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	2	4	2	2	2	3	2	2	1	2
	5	6	4	5	5	2	1	4	8	1
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
80 MG/KG	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland	+	+	+	+	+	+	+	+	+	+	10
Inflammation, Chronic Active						2					1 2.0
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10
Necrosis	2			2							2 2.0

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	2	4	2	2	2	3	2	2	1	2
	5	6	4	5	5	2	1	4	8	1
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
80 MG/KG	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Hemorrhage				3						2	2 2.5
Atrophy						2				3	2 2.5

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
Skin	+	+	+	+	+	+	+	+	+	+	10
Epidermis, Skin, Site Of Application, Hyperplasia	3	1	1	2	1	1	3	2	3	3	10 2.0
Skin, Site Of Application, Inflammation, Chronic Active	2		1	1			3	1	2	2	7 1.7

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	10
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	10

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
Edema, Focal	1	1	1	1		1					5 1.0
Neuron, Necrosis	3	4	3	3	1	2	2			3	8 2.6
Hemorrhage						1					1 1.0
Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	10

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	2	4	2	2	2	3	2	2	1	2
	5	6	4	5	5	2	1	4	8	1
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
80 MG/KG	0	0	0	0	0	0	0	0	0	0
	4	4	4	4	4	4	4	4	4	5
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Spinal Cord + + + + + + + + + + 10

RESPIRATORY SYSTEM

Lung	+ + + + + + + + + +	10	
Congestion	4 4 2 2 2		5 2.8
Hemorrhage	2		1 2.0
Perivascular, Infiltration Cellular, Lymphocyte	2		1 2.0
Interstitialium, Inflammation, Chronic Active	2		1 2.0
Alveolus, Infiltration Cellular, Histiocyte	1		1 1.0
.....			
Nose	+ + + + + + + + + +	10	
Respiratory Epithelium, Inflammation, Chronic Active	2		1 2.0
.....			
Trachea	+ + + + + + + + + +	10	

SPECIAL SENSES SYSTEM

Eye			1
Cornea, Bilateral, Degeneration, Focal	2		1 2.0

URINARY SYSTEM

Kidney + + + + + + + + + + 10

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		0	0	0	0	0	0	0	0	0	0
DAY ON TEST		2	4	2	2	2	3	2	2	1	2
		5	6	4	5	5	2	1	4	8	1
.....											
FISCHER 344 RATS MALE		0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0
80 MG/KG		0	0	0	0	0	0	0	0	0	0
		4	4	4	4	4	4	4	4	4	5
		1	2	3	4	5	6	7	8	9	0
											* TOTALS
.....											
Urinary Bladder		+	+	+	+	+	+	+	+	+	+
											10

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	4	4	4	7	7	4	4	4	4	7
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
160 MG/KG	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Centrilobular, Congestion	3	3	3			1		2		2	6 2.3
Centrilobular, Vacuolization Cytoplasmic	2	2	2			1		1	1		6 1.5
Pancreas	+		+	+	+	+	+	+	+	+	9
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	4	4	4	7	7	4	4	4	4	7
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
160 MG/KG	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

Stomach, Glandular + + + + + + + + + + **10**

CARDIOVASCULAR SYSTEM

Blood Vessel + + + + + + + + + + **10**

Heart + + + + + + + + + + **10**

 Cardiomyopathy 3 3 2 **3 2.7**

ENDOCRINE SYSTEM

Adrenal Cortex + + + + + + + + + + **10**

Adrenal Medulla + + + + + + + + + + **10**

Islets, Pancreatic + + + + + + + + + + **10**

Parathyroid Gland + + + + + + + + + + **10**

Pituitary Gland + + + M + + + + + + **9**

Thyroid Gland + + + + + + + + + + **10**

GENERAL BODY SYSTEM

NONE

* .. 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 23

TDMS No. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 DIISOPROPYLCARBODIIMIDE
CAS Number: 693-13-0
Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005
Time Report Reqsted: 08:53:32
First Dose M/F: 09/06/94 / 09/07/94
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
	4	4	4	7	7	4	4	4	4	7
.....										
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
160 MG/KG	0	0	0	0	0	0	0	0	0	0
	5	5	5	5	5	5	5	5	5	6
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

GENITAL SYSTEM

Epididymis	+	+	+	+	+	+	+	+	+	+	10
Preputial Gland Inflammation, Chronic Active	+	+	+	+	+	2	1	1	1	+	10 4 1.3
Prostate	+	+	+	+	+	+	+	+	+	+	10
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
Testes	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Bone Marrow Hemorrhage	+	+	+	+	+	3	+	+	+	+	10 2 2.5
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Spleen Lymphoid Follicle, Depletion Cellular	+	+	+	+	+	+	+	+	+	+	10 1 2.0
Thymus	+	+	+	+	+	+	+	+	+	+	10

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TDMS No. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

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 First Dose M/F: 09/06/94 / 09/07/94
 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	
	4	4	4	7	7	4	4	4	4	7	
.....											
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
160 MG/KG	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

Atrophy				2	2					3	3 2.3
---------	--	--	--	---	---	--	--	--	--	---	--------------

INTEGUMENTARY SYSTEM

Mammary Gland	+	M	M	M	+	+	+	M	M	+	5
Skin	+	+	+	+	+	+	+	+	+	+	10
Skin, Site Of Application, Inflammation, Chronic Active	2	3	3	3	3	3	2	2	4	3	10 2.8
Epidermis, Skin, Site Of Application, Necrosis, Focal	3	4	4	2		3	4	3	1	2	9 2.9
Epidermis, Skin, Site Of Application, Hyperplasia					2				2	3	3 2.3

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	10
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	10

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
Hemorrhage				3	3	2	1				4 2.3
Arteriole, Necrosis, Fibrinoid				1							1 1.0
Congestion							3				1 3.0
Edema, Focal									1		1 1.0

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TDMS No. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

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 DIISOPROPYLCARBODIIMIDE
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Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005
Time Report Reqsted: 08:53:32
First Dose M/F: 09/06/94 / 09/07/94
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	
	4	4	4	7	7	4	4	4	4	7	
.....											
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
160 MG/KG	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	
											* TOTALS

Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	10
Spinal Cord	+	+	+	+	+	+	+	+	+	+	10

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10
Congestion	3			2	2	3	3	3	3	3	8 2.8
Nose	+	+	+	+	+	+	+	+	+	+	10
Respiratory Epithelium, Inflammation, Chronic Active	2	1		1		2			1		5 1.4
Respiratory Epithelium, Metaplasia, Squamous	3		1	1							3 1.7
Squamous Epithelium, Inflammation, Chronic Active				2							1 2.0
Pleura	+										1
Trachea	+	+	+	+	+	+	+	+	+	+	10

SPECIAL SENSES SYSTEM

Harderian Gland										+	1
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TDMS No. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 DIISOPROPYLCARBODIIMIDE
CAS Number: 693-13-0
Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005
Time Report Reqsted: 08:53:32
First Dose M/F: 09/06/94 / 09/07/94
Lab: MBA

	0	0	0	0	0	0	0	0	0	0	
DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	4	4	4	7	7	4	4	4	4	7	
.....											
FISCHER 344 RATS MALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
160 MG/KG	0	0	0	0	0	0	0	0	0	0	
	5	5	5	5	5	5	5	5	5	6	
	1	2	3	4	5	6	7	8	9	0	
											* TOTALS

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

*** END OF MALE DATA ***

TDMS No. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 DIISOPROPYLCARBODIIMIDE
CAS Number: 693-13-0
Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005
Time Report Reqsted: 08:53:32
First Dose M/F: 09/06/94 / 09/07/94
Lab: MBA

DAY ON TEST		0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9
		2	2	2	2	2	2	2	2	2	2
FISCHER 344 RATS FEMALE		0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0 MG/KG	0	0	0	0	0	0	0	0	0	0
		6	6	6	6	6	6	6	6	6	7
		1	2	3	4	5	6	7	8	9	0
* TOTALS											

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Pancreas Acinus, Cytoplasmic Alteration, Focal	+	+	+	+	+	+	+	+	+	+	10 2 1 2.0
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

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 Page 28

TDMS No. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 DIISOPROPYLCARBODIIMIDE
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Date Report Reqsted: 08/08/2005
Time Report Reqsted: 08:53:32
First Dose M/F: 09/06/94 / 09/07/94
Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0 MG/KG	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	7
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Hypertrophy, Focal							2				1 2.0
Adrenal Medulla	+	M	+	+	+	+	+	+	+	+	9
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	M	+	+	9
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

GENERAL BODY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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 Page 29

TDMS No. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
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 Time Report Reqsted: 08:53:32
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 Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0 MG/KG	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	7
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	M	M	+	+	8
Ovary	+	+	+	+	+	+	+	+	+	+	10
Uterus	+	+	+	+	+	+	+	+	+	+	10

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	10
Lymph Node, Mesenteric Hyperplasia, Histiocytic	+	+	+	+	+	+	+	+	+	+	10 1 2.0
Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
---------------	---	---	---	---	---	---	---	---	---	---	-----------

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Page 30

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 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

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 Lab: MBA

DAY ON TEST		0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9
		2	2	2	2	2	2	2	2	2	2
FISCHER 344 RATS FEMALE		0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	0 MG/KG	0	0	0	0	0	0	0	0	0	0
		6	6	6	6	6	6	6	6	6	7
		1	2	3	4	5	6	7	8	9	0

*** TOTALS**

Skin	+	+	+	+	+	+	+	+	+	+	10
Epidermis, Skin, Site Of Application, Hyperplasia						1					1 1.0

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	10
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	10

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	10
Spinal Cord	+	+	+	+	+	+	+	+	+	+	10

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10
Perivascular, Infiltration Cellular, Lymphocyte	1	1				1	2				4 1.3
Interstitial, Inflammation, Chronic Active							2				1 2.0
Nose	+	+	+	+	+	+	+	+	+	+	10

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
0 MG/KG	0	0	0	0	0	0	0	0	0	0
	6	6	6	6	6	6	6	6	6	7
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Respiratory Epithelium, Inflammation, Chronic Active	1										1 1.0
Olfactory Epithelium, Atrophy								1			1 1.0

Trachea	+	+	+	+	+	+	+	+	+	+	10
---------	---	---	---	---	---	---	---	---	---	---	-----------

SPECIAL SENSES SYSTEM
 NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10
Medulla, Mineralization				1		1	1	1	1		5 1.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10

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 Page 32

TDMS No. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 DIISOPROPYLCARBODIIMIDE
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Time Report Reqsted: 08:53:32
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Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
10 MG/KG	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

ALIMENTARY SYSTEM
 NONE

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	-----------

ENDOCRINE SYSTEM
 NONE

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Uterus											1
--------	--	--	--	--	--	--	--	--	--	--	----------

HEMATOPOIETIC SYSTEM

Spleen	+	+	+	+	+	+	+	+	+	+	10
--------	---	---	---	---	---	---	---	---	---	---	-----------

Thymus	+	+	+	+	+	+	+	+	+	+	10
--------	---	---	---	---	---	---	---	---	---	---	-----------

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 + .. Tissue examined microscopically
 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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 BLANK .. Not examined microscopically
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TDMS No. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

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Time Report Reqsted: 08:53:32
First Dose M/F: 09/06/94 / 09/07/94
Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
10 MG/KG	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	8
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

INTEGUMENTARY SYSTEM

Skin	+	+	+	+	+	+	+	+	+	+	10
Epidermis, Skin, Site Of Application, Hyperplasia				1	1						2 1.0

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	-----------

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

* .. 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
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 34

TDMS No. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 DIISOPROPYLCARBODIIMIDE
CAS Number: 693-13-0
Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005
Time Report Reqsted: 08:53:32
First Dose M/F: 09/06/94 / 09/07/94
Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	2	2	2	2	2	2	2	2	2	2	
.....											
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
20 MG/KG	0	0	0	0	0	0	0	0	0	0	
	8	8	8	8	8	8	8	8	8	9	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

ALIMENTARY SYSTEM
 NONE

CARDIOVASCULAR SYSTEM

Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy					1						1 1.0

ENDOCRINE SYSTEM
 NONE

GENERAL BODY SYSTEM
 NONE

GENITAL SYSTEM

Uterus	+	+	+	+					+	5
Hydrometra	4	4	3	3					3	5 3.4

HEMATOPOIETIC SYSTEM

Spleen	+	+	+	+	+	+	+	+	+	+	10
Thymus	+	+	+	+	+	+	+	+	+	+	10

* .. 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. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 DIISOPROPYLCARBODIIMIDE
CAS Number: 693-13-0
Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005
Time Report Reqsted: 08:53:32
First Dose M/F: 09/06/94 / 09/07/94
Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
20 MG/KG	0	0	0	0	0	0	0	0	0	0
	8	8	8	8	8	8	8	8	8	9
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

INTEGUMENTARY SYSTEM

Skin	+	+	+	+	+	+	+	+	+	+	10
Epidermis, Skin, Site Of Application, Hyperplasia	1	1	1								3 1.0

MUSCULOSKELETAL SYSTEM

NONE

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
-------	---	---	---	---	---	---	---	---	---	---	-----------

RESPIRATORY SYSTEM

NONE

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

NONE

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
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 I .. Insufficient tissue
 M .. Missing tissue
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 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 36

TDMS No. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 DIISOPROPYLCARBODIIMIDE
CAS Number: 693-13-0
Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005
Time Report Reqsted: 08:53:32
First Dose M/F: 09/06/94 / 09/07/94
Lab: MBA

DAY ON TEST		0	0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9	9
		2	2	2	2	2	2	2	2	2	2
FISCHER 344 RATS FEMALE		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	1
	40 MG/KG	9	9	9	9	9	9	9	9	9	0
		1	2	3	4	5	6	7	8	9	0
* TOTALS											

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Mesentery				+							1
Fat, Necrosis				3							1 3.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10

* .. 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:
 1) Minimal 3) Moderate
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TDMS No. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 DIISOPROPYLCARBODIIMIDE
CAS Number: 693-13-0
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Date Report Reqsted: 08/08/2005
Time Report Reqsted: 08:53:32
First Dose M/F: 09/06/94 / 09/07/94
Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
40 MG/KG	0	0	0	0	0	0	0	0	0	1
	9	9	9	9	9	9	9	9	9	0
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10
--------------------	---	---	---	---	---	---	---	---	---	---	-----------

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy							1		1		2 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	M	+	+	+	+	M	8
Pituitary Gland	+	+	+	+	M	+	+	+	+	+	9
Thyroid Gland	+	+	+	+	+	+	+	+	+	M	9

GENERAL BODY 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
 Page 38

TDMS No. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 DIISOPROPYLCARBODIIMIDE
CAS Number: 693-13-0
Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005
Time Report Reqsted: 08:53:32
First Dose M/F: 09/06/94 / 09/07/94
Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
40 MG/KG	0	0	0	0	0	0	0	0	0	1
	9	9	9	9	9	9	9	9	9	0
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

NONE

GENITAL SYSTEM

Clitoral Gland	+	M	+	M	M	+	+	M	+	+	6
Inflammation, Chronic Active										1	1 1.0
Ovary	+	+	+	+	+	+	+	+	+	+	10
Cyst								2			1 2.0
Uterus	+	+	+	+	+	+	+	+	+	+	10
Hydrometra	2							3	3	3	4 2.8

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10
Hyperplasia, Focal, Lymphoid			1								1 1.0
Hyperplasia, Focal, Histiocytic			1		2						2 1.5
Lymph Node, Mandibular	M	+	+	+	+	+	+	+	+	+	9
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10
Hyperplasia, Lymphoid	3										1 3.0
Hyperplasia, Histiocytic				2							1 2.0
Spleen	+	+	+	+	+	+	+	+	+	+	10

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x .. Lesion present

l .. Insufficient tissue

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TDMS No. 93020 - 03
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 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	9	9	9	9	9	9	9	9	9	9	
	2	2	2	2	2	2	2	2	2	2	
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
40 MG/KG	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	1	
	9	9	9	9	9	9	9	9	9	0	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

Thymus + + + + + + + + + + **10**

INTEGUMENTARY SYSTEM

Mammary Gland + + + + + + + + + + **10**

Skin + + + + + + + + + + **10**

Epidermis, Skin, Site Of Application, Hyperplasia 1 1 1 1 1 **5 1.0**

MUSCULOSKELETAL SYSTEM

Bone + + + + + + + + + + **10**

Skeletal Muscle + + + + + + + + + + **10**

NERVOUS SYSTEM

Brain + + + + + + + + + + **10**

Peripheral Nerve + + + + + + + + + + **10**

Spinal Cord + + + + + + + + + + **10**

RESPIRATORY SYSTEM

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TDMS No. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
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CAS Number: 693-13-0
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First Dose M/F: 09/06/94 / 09/07/94
Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
40 MG/KG	0	0	0	0	0	0	0	0	0	1
	9	9	9	9	9	9	9	9	9	0
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Lung	+	+	+	+	+	+	+	+	+	+	10	
Perivascular, Infiltration Cellular, Lymphocyte	4					4		1	2	1		5 2.4
Interstitial, Inflammation, Chronic Active	2					2				1		3 1.7
.....												
Nose	+	+	+	+	+	+	+	+	+	+	10	
Olfactory Epithelium, Inflammation, Chronic Active										1		1 1.0
.....												
Trachea	+	+	+	+	+	+	+	+	+	+	10	

SPECIAL SENSES SYSTEM
 NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10	
Medulla, Mineralization		1	1			1	1	1		1		6 1.0
.....												
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10	
Serosa, Mineralization										2		1 2.0

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 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 41

TDMS No. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 DIISOPROPYLCARBODIIMIDE
CAS Number: 693-13-0
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Date Report Requested: 08/08/2005
 Time Report Requested: 08:53:32
 First Dose M/F: 09/06/94 / 09/07/94
 Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	5	3	2	3
	8	1	1	0	8	9	9	0	7	9
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
80 MG/KG	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	M	+	+	+	+	+	9
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Congestion				1							1 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
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 x .. Lesion present
 I .. Insufficient tissue
 M .. Missing tissue
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 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
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CAS Number: 693-13-0
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Date Report Reqsted: 08/08/2005
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Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	5	3	2	3
	8	1	1	0	8	9	9	0	7	9
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
80 MG/KG	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10
Cardiomyopathy			1	1							2 1.0

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	+	+	+	+	M	+	+	9
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

GENERAL BODY SYSTEM

NONE

* .. 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
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked
 Page 43

TDMS No. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 DIISOPROPYLCARBODIIMIDE
CAS Number: 693-13-0
Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Requested: 08/08/2005
Time Report Requested: 08:53:32
First Dose M/F: 09/06/94 / 09/07/94
Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	5	3	2	3
	8	1	1	0	8	9	9	0	7	9
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
80 MG/KG	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

GENITAL SYSTEM

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	10	
Inflammation, Chronic Active				1			1					2 1.0
Ovary	+	+	+	+	+	+	+	+	+	+	10	
Uterus	+	+	+	+	+	+	+	+	+	+	10	

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	10	
Hemorrhage				1								1 1.0
Atrophy				1								1 1.0
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	M	+	9	
Hemorrhage	2											1 2.0
Hyperplasia, Lymphoid					2							1 2.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10	
Spleen	+	+	+	+	+	+	+	+	+	+	10	
Thymus	+	+	+	+	+	+	+	+	+	+	10	
Atrophy	3				2			2	2			4 2.3

* .. 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
 A .. Autolysis precludes evaluation
 BLANK .. Not examined microscopically
 1-4 .. Lesion qualified as:
 1) Minimal 3) Moderate
 2) Mild 4) Marked

TDMS No. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 DIISOPROPYLCARBODIIMIDE
CAS Number: 693-13-0
Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005
 Time Report Reqsted: 08:53:32
 First Dose M/F: 09/06/94 / 09/07/94
 Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	3	5	3	2	3
	8	1	1	0	8	9	9	0	7	9
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
80 MG/KG	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	M	+	+	+	9
Skin	+	+	+	+	+	+	+	+	+	+	10
Epidermis, Skin, Site Of Application, Hyperplasia	1	1	1	2	1	1	2	2	2	1	10 1.4
Skin, Site Of Application, Inflammation, Chronic Active	1	1	1				1	1	1	1	7 1.0

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	10
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	10

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	10
Edema, Focal	1					1	1	1		1	5 1.0
Hemorrhage	3	1			3	2		2			5 2.2
Neuron, Necrosis	2		2	2	2	1	3		3	4	8 2.4
Arteriole, Necrosis, Fibrinoid	1										1 1.0
Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	10

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+ .. Tissue examined microscopically

x .. Lesion present

l .. 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. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 DIISOPROPYLCARBODIIMIDE
CAS Number: 693-13-0
Pathologist: BIERLEY, B. - STEDHAM, M. - SHANAHAN, P.

Date Report Reqsted: 08/08/2005
Time Report Reqsted: 08:53:32
First Dose M/F: 09/06/94 / 09/07/94
Lab: MBA

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	3	3	3	3	3	5	3	2	3	
	8	1	1	0	8	9	9	0	7	9
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
80 MG/KG	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	1	1	1	1	1	1	1	1	1	1
	0	0	0	0	0	0	0	0	0	1
	1	2	3	4	5	6	7	8	9	0
	* TOTALS									

Spinal Cord + + + + + + + + + + **10**

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10	
Congestion	1	2	2	2			2					5 1.8
Perivascular, Infiltration Cellular, Lymphocyte		1				3	2	3				4 2.3
Hemorrhage								2				1 2.0
Nose	+	+	+	+	+	+	+	+	+	+	10	
Squamous Epithelium, Inflammation, Chronic Active				1								1 1.0
Respiratory Epithelium, Atrophy							1					1 1.0
Trachea	+	+	+	+	+	+	+	+	+	+	10	

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10	
Medulla, Mineralization	1	1	1	1	1	1	1	1	1	1		10 1.0
Congestion						2						1 2.0
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10	

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 Species/Strain: RATS/F 344

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	0	0	0	0	0	0	0	0	0	0	
DAY ON TEST	3	3	3	3	3	3	5	3	2	3	
	8	1	1	0	8	9	9	0	7	9	
.....											
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
80 MG/KG	1	1	1	1	1	1	1	1	1	1	
	0	0	0	0	0	0	0	0	0	1	
	1	2	3	4	5	6	7	8	9	0	
											* TOTALS

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 Species/Strain: RATS/F 344

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First Dose M/F: 09/06/94 / 09/07/94
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
	7	7	7	7	7	7	7	7	7	7
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
160 MG/KG	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Cecum	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	10
Intestine Large, Rectum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Duodenum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Ileum	+	+	+	+	+	+	+	+	+	+	10
Intestine Small, Jejunum	+	+	+	+	+	+	+	+	+	+	10
Liver	+	+	+	+	+	+	+	+	+	+	10
Centrilobular, Congestion				1			1				2 1.0
Pancreas	+	+	+	+	+	+	+	+	+	+	10
Salivary Glands	+	+	+	+	+	+	+	+	+	+	10
Stomach, Forestomach	+	+	+	+	+	+	+	+	+	+	10
Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	10

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First Dose M/F: 09/06/94 / 09/07/94
Lab: MBA

	0	0	0	0	0	0	0	0	0	0	
DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	7	7	7	7	7	7	
.....											
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
160 MG/KG	1	1	1	1	1	1	1	1	1	1	
	1	1	1	1	1	1	1	1	1	2	
	1	2	3	4	5	6	7	8	9	0	* TOTALS

CARDIOVASCULAR SYSTEM

Blood Vessel	+	+	+	+	+	+	+	+	+	+	10
Heart	+	+	+	+	+	+	+	+	+	+	10

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	10
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	10
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	10
Parathyroid Gland	+	+	+	M	+	M	+	+	+	+	8
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	10
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	10

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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 Page 49

TDMS No. 93020 - 03
 Test Type: 90-DAY
 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 DIISOPROPYLCARBODIIMIDE
CAS Number: 693-13-0
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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
	7	7	7	7	7	7	7	7	7	7
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
160 MG/KG	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

Clitoral Gland Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	10	1	1.0
Ovary	+	+	+	+	+	+	+	+	+	+	10		
Uterus Hydrometra	+	+	+	+	+	+	+	+	+	+	10	1	2.0

HEMATOPOIETIC SYSTEM

Bone Marrow Hemorrhage	+	+	+	+	+	+	+	+	+	+	10	2	2.0
Lymph Node, Mandibular Hyperplasia, Lymphoid	+	+	+	+	+	+	+	+	+	+	10	2	2.0
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	10		
Spleen	+	+	+	+	+	+	+	+	+	+	10		
Thymus Atrophy	+	+	+	+	+	+	+	+	+	+	10	1	3.0

INTEGUMENTARY SYSTEM

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DAY ON TEST	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	
	7	7	7	7	7	7	7	7	7	7	
.....											
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
160 MG/KG	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	2	
											* TOTALS
Mammary Gland	+	+	+	+	+	+	+	+	+	+	10
.....											
Skin	+	+	+	+	+	+	+	+	+	+	10
Epidermis, Skin, Site Of Application, Hyperplasia	2	3	3	3	3	3	2	3	3	3	10 2.8
Skin, Site Of Application, Inflammation, Chronic Active	3	3	4	4	4	4	3	4	4	4	10 3.7
Epidermis, Skin, Site Of Application, Necrosis, Focal	2	2	2	1	1	1	1	2	2	2	10 1.6
.....											
MUSCULOSKELETAL SYSTEM											
.....											
Bone	+	+	+	+	+	+	+	+	+	+	10
.....											
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	10
.....											
NERVOUS SYSTEM											
.....											
Brain	+	+	+	+	+	+	+	+	+	+	10
Hemorrhage	2	1	3	3	1			2			6 2.0
Edema, Focal			1	1							2 1.0
Neuron, Necrosis			4	4							2 4.0
.....											
Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	10
.....											
Spinal Cord	+	+	+	+	+	+	+	+	+	+	10

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TDMS No. 93020 - 03
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 Route: SKIN APPLICATION
 Species/Strain: RATS/F 344

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 DIISOPROPYLCARBODIIMIDE
CAS Number: 693-13-0
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DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7
.....										
FISCHER 344 RATS FEMALE	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
160 MG/KG	1	1	1	1	1	1	1	1	1	1
	1	1	1	1	1	1	1	1	1	2
	1	2	3	4	5	6	7	8	9	0
										* TOTALS

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	10	
Congestion	2		2	3	3		3	2	3	2		8 2.5
.....												
Nose	+	+	+	+	+	+	+	+	+	+	10	
Respiratory Epithelium, Inflammation, Chronic Active							1	1				2 1.0
.....												
Trachea	+	+	+	+	+	+	+	+	+	+	10	

SPECIAL SENSES SYSTEM

NONE

URINARY SYSTEM

Kidney	+	+	+	+	+	+	+	+	+	+	10	
Congestion							2					1 2.0
Medulla, Mineralization							1	1		1		3 1.0
.....												
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	10	

*** END OF REPORT ***

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