

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

**ALIMENTARY SYSTEM**

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

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

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

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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DAY ON TEST		0	0	0	0	0	0	0	0	0
		9	9	9	9	9	9	9	9	9
		2	2	2	2	2	2	2	2	2
<b>FISCHER 344 RATS MALE</b>		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
	<b>0 MG/KG</b>	0	0	0	0	0	0	0	0	1
		1	2	3	4	5	6	7	8	9
<b>* TOTALS</b>										

**GENITAL SYSTEM**

Epididymis	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Preputial Gland Inflammation, Chronic Active	+	+	+	+	+	+	+	+	+	+	<b>10</b> <b>2 2.0</b>
Prostate	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Testes	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**HEMATOPOIETIC SYSTEM**

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

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	9	9	9	9	9	9	9	9	9	9	
	2	2	2	2	2	2	2	2	2	2	
.....											
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
<b>0 MG/KG</b>	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	<b>* TOTALS</b>
Thymus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
<b>INTEGUMENTARY SYSTEM</b>											
Mammary Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Skin	+	+	+	+	+	+	+	+	+	+	<b>10</b>
<b>MUSCULOSKELETAL SYSTEM</b>											
Bone	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Skeletal Muscle	+	+	+	+	+	+	+	M	+	+	<b>9</b>
<b>NERVOUS SYSTEM</b>											
Brain	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Spinal Cord	+	+	+	+	+	+	+	+	+	+	<b>10</b>
<b>RESPIRATORY SYSTEM</b>											
Lung	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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

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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	
.....											
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
<b>10 MG/KG</b>	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	<b>* TOTALS</b>

**ALIMENTARY SYSTEM**  
 NONE

**CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Cardiomyopathy		1						1	1	1	<b>4 1.0</b>

**ENDOCRINE SYSTEM**  
 NONE

**GENERAL BODY SYSTEM**  
 NONE

**GENITAL SYSTEM**  
 NONE

**HEMATOPOIETIC SYSTEM**

Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thymus	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
.....										
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>10 MG/KG</b>	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
										<b>* TOTALS</b>

Skin	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Epidermis, Skin, Site Of Application, Hyperplasia			1				1	1	1	1	<b>5 1.0</b>

**MUSCULOSKELETAL SYSTEM**  
 NONE

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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**RESPIRATORY SYSTEM**  
 NONE

**SPECIAL SENSES SYSTEM**  
 NONE

**URINARY SYSTEM**  
 NONE

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	0	0	0	0	0	0	0	0	0	0	
DAY ON TEST	9	9	9	9	9	9	9	9	9	9	
	2	2	2	2	2	2	2	2	2	2	
.....											
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
<b>20 MG/KG</b>	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	<b>* TOTALS</b>

**ALIMENTARY SYSTEM**  
 NONE

**CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Cardiomyopathy		1	1	1	1			1	1		<b>6 1.0</b>

**ENDOCRINE SYSTEM**  
 NONE

**GENERAL BODY SYSTEM**  
 NONE

**GENITAL SYSTEM**  
 NONE

**HEMATOPOIETIC SYSTEM**

Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thymus	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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	9	9	9	9	9	9	9	9	9	9
	2	2	2	2	2	2	2	2	2	2
.....										
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>20 MG/KG</b>	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
										<b>* TOTALS</b>

Skin	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Epidermis, Skin, Site Of Application, Hyperplasia		1	1	1	1	1	1	1			<b>7 1.0</b>

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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**RESPIRATORY SYSTEM**

NONE

**SPECIAL SENSES SYSTEM**

NONE

**URINARY SYSTEM**

NONE

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

**ALIMENTARY SYSTEM**

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

\* .. 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

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
.....										
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>40 MG/KG</b>	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
	<b>* TOTALS</b>									

Cyst	2	<b>1 2.0</b>
------	---	--------------

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Heart	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Cardiomyopathy	1	1			1			1			<b>4 1.0</b>

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Parathyroid Gland	+	+	+	M	+	M	+	M	+	+	<b>7</b>
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**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

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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

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
.....										
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>40 MG/KG</b>	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
	<b>* TOTALS</b>									

**GENITAL SYSTEM**

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

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Hemorrhage								1			<b>1 1.0</b>
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thymus	+	+	+	+	+	+	+	+	+	+	<b>10</b>

\* .. 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
.....										
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>40 MG/KG</b>	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
	<b>* TOTALS</b>									

**INTEGUMENTARY SYSTEM**

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

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Peripheral Nerve	+	+	+	+	+	M	+	+	+	+	<b>9</b>
Spinal Cord	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**RESPIRATORY SYSTEM**

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
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 1) Minimal 3) Moderate  
 2) Mild 4) Marked

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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**

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
.....										
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>40 MG/KG</b>	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
	<b>* TOTALS</b>									

Lung	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Perivascular, Infiltration Cellular, Lymphocyte			1	1	1		1	1		1	<b>6 1.0</b>
.....											
Nose	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Respiratory Epithelium, Inflammation, Chronic Active				1							<b>1 1.0</b>
Squamous Epithelium, Inflammation, Chronic							1				<b>1 1.0</b>
.....											
Trachea	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**SPECIAL SENSES SYSTEM**  
 NONE

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Nephropathy				1				1			<b>2 1.0</b>
.....											
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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

Page 15

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

**ALIMENTARY SYSTEM**

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

\* .. 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
	2	4	2	2	2	3	2	2	1	2
	5	6	4	5	5	2	1	4	8	1
.....										
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>80 MG/KG</b>	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
										<b>* TOTALS</b>

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

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Heart	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Cardiomyopathy		2	1	1			1	1			<b>5 1.2</b>
Artery, Inflammation, Chronic Active			1								<b>1 1.0</b>

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Parathyroid Gland	M	+	+	+	+	+	+	+	+	+	<b>9</b>
Pituitary Gland	+	+	+	+	+	+	+	M	+	+	<b>9</b>
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**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 17

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

**GENITAL SYSTEM**

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

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thymus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Necrosis	2			2							<b>2 2.0</b>

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 BLANK .. Not examined microscopically  
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 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
	2	4	2	2	2	3	2	2	1	2
	5	6	4	5	5	2	1	4	8	1
.....										
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>80 MG/KG</b>	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
										<b>* TOTALS</b>

Hemorrhage				3						2	<b>2 2.5</b>
Atrophy							2			3	<b>2 2.5</b>

**INTEGUMENTARY SYSTEM**

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

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**NERVOUS SYSTEM**

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

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 + .. 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 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
		2	4	2	2	2	3	2	2	1	2
		5	6	4	5	5	2	1	4	8	1
.....											
<b>FISCHER 344 RATS MALE</b>		0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>80 MG/KG</b>		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
											<b>* TOTALS</b>

Spinal Cord	+	+	+	+	+	+	+	+	+	+	+	<b>10</b>
-------------	---	---	---	---	---	---	---	---	---	---	---	-----------

**RESPIRATORY SYSTEM**

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

**SPECIAL SENSES SYSTEM**

Eye											<b>1</b>
Cornea, Bilateral, Degeneration, Focal				2							<b>1 2.0</b>

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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 + .. 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

		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
.....											
<b>FISCHER 344 RATS MALE</b>		0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>80 MG/KG</b>		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
											<b>* TOTALS</b>
.....											
Urinary Bladder		+	+	+	+	+	+	+	+	+	+
											<b>10</b>

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+ .. Tissue examined microscopically

x .. Lesion present

l .. Insufficient tissue

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1-4 .. Lesion qualified as:

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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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**Date Report Reqsted: 08/08/2005**  
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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
.....										
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>160 MG/KG</b>	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
	<b>* TOTALS</b>									

**ALIMENTARY SYSTEM**

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

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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

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	
.....											
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
<b>160 MG/KG</b>	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	
											<b>* TOTALS</b>

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

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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  
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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
.....										
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>160 MG/KG</b>	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
	<b>* TOTALS</b>									

**GENITAL SYSTEM**

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

**HEMATOPOIETIC SYSTEM**

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

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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

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
.....										
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>160 MG/KG</b>	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
	<b>* TOTALS</b>									

Atrophy 2 2 3 **3 2.3**

**INTEGUMENTARY SYSTEM**

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

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**NERVOUS SYSTEM**

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

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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

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	
.....											
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
<b>160 MG/KG</b>	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	
											<b>* TOTALS</b>

Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Spinal Cord	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**RESPIRATORY SYSTEM**

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

**SPECIAL SENSES SYSTEM**

Harderian Gland										+	<b>1</b>
-----------------	--	--	--	--	--	--	--	--	--	---	----------

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Page 26

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	
.....											
<b>FISCHER 344 RATS MALE</b>	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
<b>160 MG/KG</b>	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	<b>* TOTALS</b>

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	<b>10</b>

\*\*\* 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  
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**Date Report Reqsted: 08/08/2005**  
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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
<b>FISCHER 344 RATS FEMALE</b>		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
	<b>0 MG/KG</b>	6	6	6	6	6	6	6	6	6	7
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

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

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 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked  
 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  
**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
.....										
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>0 MG/KG</b>	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
	<b>* TOTALS</b>									

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Heart	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**ENDOCRINE SYSTEM**

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

**GENERAL BODY 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  
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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**  
 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
.....										
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>0 MG/KG</b>	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
	<b>* TOTALS</b>									

**GENITAL SYSTEM**

Clitoral Gland	+	+	+	+	+	+	M	M	+	+	<b>8</b>
Ovary	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Uterus	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**HEMATOPOIETIC SYSTEM**

Bone Marrow	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Hyperplasia, Histiocytic								2			<b>1 2.0</b>
Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thymus	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**INTEGUMENTARY SYSTEM**

Mammary Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
---------------	---	---	---	---	---	---	---	---	---	---	-----------

\* .. 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
<b>FISCHER 344 RATS FEMALE</b>		0	0	0	0	0	0	0	0	0	0
	ANIMAL ID	0	0	0	0	0	0	0	0	0	0
	<b>0 MG/KG</b>	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	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Epidermis, Skin, Site Of Application, Hyperplasia						1					<b>1 1.0</b>

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Peripheral Nerve	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Spinal Cord	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**RESPIRATORY SYSTEM**

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

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 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
.....										
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>0 MG/KG</b>	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
										<b>* TOTALS</b>

Respiratory Epithelium, Inflammation, Chronic Active	1										<b>1 1.0</b>
Olfactory Epithelium, Atrophy								1			<b>1 1.0</b>

Trachea	+	+	+	+	+	+	+	+	+	+	<b>10</b>
---------	---	---	---	---	---	---	---	---	---	---	-----------

**SPECIAL SENSES SYSTEM**  
 NONE

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Medulla, Mineralization				1		1	1	1	1		<b>5 1.0</b>
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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 1-4 .. Lesion qualified as:  
 1) Minimal 3) Moderate  
 2) Mild 4) Marked  
 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  
**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
.....										
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>10 MG/KG</b>	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
	<b>* TOTALS</b>									

**ALIMENTARY SYSTEM**  
 NONE

**CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+	+	+	+	+	+	+	<b>10</b>
-------	---	---	---	---	---	---	---	---	---	---	-----------

**ENDOCRINE SYSTEM**  
 NONE

**GENERAL BODY SYSTEM**  
 NONE

**GENITAL SYSTEM**

Uterus											<b>1</b>
--------	--	--	--	--	--	--	--	--	--	--	----------

**HEMATOPOIETIC SYSTEM**

Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>
--------	---	---	---	---	---	---	---	---	---	---	-----------

Thymus	+	+	+	+	+	+	+	+	+	+	<b>10</b>
--------	---	---	---	---	---	---	---	---	---	---	-----------

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 + .. Tissue examined microscopically  
 x .. Lesion present  
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 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
.....										
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>10 MG/KG</b>	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
										<b>* TOTALS</b>

**INTEGUMENTARY SYSTEM**

Skin	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Epidermis, Skin, Site Of Application, Hyperplasia				1	1						<b>2 1.0</b>

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	<b>10</b>
-------	---	---	---	---	---	---	---	---	---	---	-----------

**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
.....										
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>20 MG/KG</b>	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
										<b>* TOTALS</b>

**ALIMENTARY SYSTEM**  
 NONE

**CARDIOVASCULAR SYSTEM**

Heart	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Cardiomyopathy					1						<b>1 1.0</b>

**ENDOCRINE SYSTEM**  
 NONE

**GENERAL BODY SYSTEM**  
 NONE

**GENITAL SYSTEM**

Uterus	+	+	+	+					+	<b>5</b>
Hydrometra	4	4	3	3					3	<b>5 3.4</b>

**HEMATOPOIETIC SYSTEM**

Spleen	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thymus	+	+	+	+	+	+	+	+	+	+	<b>10</b>

\* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade  
 + .. Tissue examined microscopically  
 x .. Lesion present  
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 1-4 .. Lesion qualified as:  
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 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

	0	0	0	0	0	0	0	0	0	0	
DAY ON TEST	9	9	9	9	9	9	9	9	9	9	
	2	2	2	2	2	2	2	2	2	2	
.....											
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
<b>20 MG/KG</b>	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	<b>* TOTALS</b>

**INTEGUMENTARY SYSTEM**

Skin	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Epidermis, Skin, Site Of Application, Hyperplasia	1	1	1								<b>3 1.0</b>

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

Brain	+	+	+	+	+	+	+	+	+	+	<b>10</b>
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**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 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
<b>FISCHER 344 RATS FEMALE</b>		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
	<b>40 MG/KG</b>	9	9	9	9	9	9	9	9	9	0
		1	2	3	4	5	6	7	8	9	0
<b>* TOTALS</b>											

**ALIMENTARY SYSTEM**

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

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 + .. 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
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>40 MG/KG</b>	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
	<b>* TOTALS</b>									

Stomach, Glandular	+	+	+	+	+	+	+	+	+	+	<b>10</b>
--------------------	---	---	---	---	---	---	---	---	---	---	-----------

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Heart	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Cardiomyopathy							1		1		<b>2 1.0</b>

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Parathyroid Gland	+	+	+	+	M	+	+	+	+	M	<b>8</b>
Pituitary Gland	+	+	+	+	M	+	+	+	+	+	<b>9</b>
Thyroid Gland	+	+	+	+	+	+	+	+	+	M	<b>9</b>

**GENERAL BODY 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  
 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
.....										
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>40 MG/KG</b>	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
	<b>* TOTALS</b>									

NONE

**GENITAL SYSTEM**

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

**HEMATOPOIETIC SYSTEM**

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

\* .. 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

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	
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0	
<b>40 MG/KG</b>	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	<b>* TOTALS</b>

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**

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

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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
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>40 MG/KG</b>	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
	<b>* TOTALS</b>									

Lung	+	+	+	+	+	+	+	+	+	+	10	
Perivascular, Infiltration Cellular,												5 2.4
Lymphocyte	4					4		1	2	1		
Interstitial, Inflammation, Chronic Active	2					2				1		3 1.7
Nose	+	+	+	+	+	+	+	+	+	+	10	
Olfactory Epithelium, Inflammation,										1		1 1.0
Chronic Active												
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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 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  
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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
.....										
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
<b>80 MG/KG</b>	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
										<b>* TOTALS</b>

**ALIMENTARY SYSTEM**

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

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 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
.....										
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
<b>80 MG/KG</b>	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
										<b>* TOTALS</b>

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Heart	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Cardiomyopathy			1	1							<b>2 1.0</b>

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Parathyroid Gland	+	+	+	+	+	+	+	M	+	+	<b>9</b>
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**GENERAL BODY SYSTEM**

NONE

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 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**  
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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
	3	3	3	3	3	3	5	3	2	3
	8	1	1	0	8	9	9	0	7	9
.....										
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
<b>80 MG/KG</b>	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
										<b>* TOTALS</b>

**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

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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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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
.....										
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
<b>80 MG/KG</b>	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
										<b>* TOTALS</b>

**INTEGUMENTARY SYSTEM**

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

**MUSCULOSKELETAL SYSTEM**

Bone	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Skeletal Muscle	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**NERVOUS SYSTEM**

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

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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  
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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
	3	3	3	3	3	5	3	2	3	
	8	1	1	0	8	9	9	0	7	9
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
<b>80 MG/KG</b>	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
	<b>* TOTALS</b>									

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

**RESPIRATORY SYSTEM**

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

**SPECIAL SENSES SYSTEM**

NONE

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Medulla, Mineralization	1	1	1	1	1	1	1	1	1	1	<b>10 1.0</b>
Congestion					2						<b>1 2.0</b>
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	<b>10</b>

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+ .. Tissue examined microscopically

x .. Lesion present

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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  
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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	3	3	3	3	3	3	5	3	2	3	
	8	1	1	0	8	9	9	0	7	9	
.....											
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	
<b>80 MG/KG</b>	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	<b>* TOTALS</b>

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

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x .. Lesion present

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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
.....										
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>160 MG/KG</b>	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
	<b>* TOTALS</b>									

**ALIMENTARY SYSTEM**

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

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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  
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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
.....										
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>160 MG/KG</b>	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
	<b>* TOTALS</b>									

**CARDIOVASCULAR SYSTEM**

Blood Vessel	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Heart	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**ENDOCRINE SYSTEM**

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Islets, Pancreatic	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Parathyroid Gland	+	+	+	M	+	M	+	+	+	+	<b>8</b>
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	<b>10</b>

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

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 1) Minimal 3) Moderate  
 2) Mild 4) Marked  
 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**  
**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
	7	7	7	7	7	7	7	7	7	7
.....										
<b>FISCHER 344 RATS FEMALE</b>	0	0	0	0	0	0	0	0	0	0
ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>160 MG/KG</b>	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
										<b>* TOTALS</b>

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

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	0	0	0	0	0	0	0	0	0	0
	7	7	7	7	7	7	7	7	7	7
.....										
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ANIMAL ID	0	0	0	0	0	0	0	0	0	0
<b>160 MG/KG</b>	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
										<b>* TOTALS</b>

**RESPIRATORY SYSTEM**

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

**SPECIAL SENSES SYSTEM**

NONE

**URINARY SYSTEM**

Kidney	+	+	+	+	+	+	+	+	+	+	<b>10</b>	
Congestion							2					<b>1 2.0</b>
Medulla, Mineralization							1	1		1		<b>3 1.0</b>
.....												
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	<b>10</b>	

\*\*\* END OF REPORT \*\*\*

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