

TDMS No. 88105 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:43:51
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

	DAY ON TEST																										
	5 3 1	7 2 8	7 2 9	6 9 8	7 2 8	3 7 9	7 2 7	7 2 9	6 5 0	7 2 9	7 2 8	7 2 7	7 2 8	7 2 8	7 2 8	7 2 8	7 2 7	7 2 8	7 2 7	7 2 7	7 2 9	7 2 7	7 2 9	7 2 7			
B6C3F1 MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300 MG/KG	females (cont...)
ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7		
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5		

Mesentery Fat, Necrosis																											
Pancreas Basophilic Focus Hyperplasia	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Salivary Glands	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Stomach, Forestomach Hyperplasia, Squamous Inflammation Ulcer	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Stomach, Glandular Inflammation Ulcer	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
	2																										
	3																										

CARDIOVASCULAR SYSTEM

Blood Vessel Mineralization																											
Heart Cardiomyopathy Inflammation, Suppurative Mineralization	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
	4																										

* .. Total animals with tissue examined microscopically; Total animals with lesion and mean severity grade
 + .. Tissue examined microscopically
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B6C3F1 MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	females (cont...)
300 MG/KG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	

Thrombosis 3 2

ENDOCRINE SYSTEM

Adrenal Cortex	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																								
Hypertrophy																								
Necrosis																								
Adrenal Medulla	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																								
Islets, Pancreatic	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Hyperplasia																								
Parathyroid Gland	+	+	+	+	+	+	+	+	M	M	+	+	+	+	+	+	+	+	+	+	+	M	+	+
Pituitary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Pars Distalis, Hyperplasia																								
Thyroid Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Follicular Cell, Hyperplasia																								

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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B6C3F1 MICE FEMALE 300 MG/KG	3	2	2	9	2	7	2	2	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
	1	8	9	8	8	9	7	9	0	9	8	7	8	8	8	8	7	9	8	7	7	9	7	7	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5

females
(cont...)

Clitoral Gland	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Angiectasis										2														
Cyst																								
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Endometrium, Hyperplasia, Cystic							4	4	4			3	3	3	3				2		3		4	2

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node																								+
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Lymph Node, Mesenteric Inflammation, Acute	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Depletion Cellular						2																		
Thymus	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+

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	3	2	2	9	2	7	2	2	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
	1	8	9	8	8	9	7	9	0	9	8	7	8	8	8	8	7	9	8	7	7	9	7	7		
B6C3F1 MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
300 MG/KG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7		
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	females (cont...)

INTEGUMENTARY SYSTEM

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

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

NERVOUS SYSTEM

Brain Necrosis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+
----------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Thrombosis																								1	
Bronchiole, Hyperplasia																								2	
Bronchiole, Necrosis																								2	
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Thrombosis																								2	
Glands, Hyperplasia	3	4	4	4	4	3	4	3	3	3	3	4	4	3	3	4	4	4	3	3	3	4	3	4	3
Olfactory Epithelium, Accumulation,																									1

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DAY ON TEST		3	2	2	9	2	7	2	2	5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
		1	8	9	8	8	9	7	9	0	9	8	7	8	8	8	8	7	9	8	7	7	9	7	9	7
B6C3F1 MICE FEMALE 300 MG/KG	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
		5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7
	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	
Urinary Bladder		+	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	

**females
(cont...)**

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DAY ON TEST	ANIMAL ID																								* TOTALS
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
7	7	4	7	7	7	7	7	6	7	5	2	7	7	7	5	5	5	5	5	5	5	5	5	7	
2	2	9	2	2	2	2	2	0	2	3	7	2	2	2	6	5	5	5	5	5	5	5	5	2	
8	9	7	7	8	7	9	8	5	7	8	7	9	7	7	0	3	3	3	4	3	5	4	4	8	
B6C3F1 MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
300 MG/KG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	
																									* TOTALS

ALIMENTARY SYSTEM

Esophagus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Gallbladder	+	+	A	+	+	+	+	+	+	+	A	+	+	+	A	A	A	+	A	A	+	+	+	+	40	
Intestine Large, Cecum Inflammation, Acute Necrosis	+	+	A	+	+	+	+	+	+	+	A	+	+	+	A	+	A	+	A	A	+	+	+	+	42	1 3.0 1 2.0
Intestine Large, Colon	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	47	
Intestine Large, Rectum Necrosis	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	A	+	+	+	+	+	+	+	46	1 2.0
Intestine Small, Duodenum	+	+	A	+	+	+	+	+	A	+	+	A	+	+	+	A	A	A	+	A	A	+	+	+	40	
Intestine Small, Ileum	+	+	A	+	+	+	+	+	+	+	+	A	+	+	+	A	+	A	+	A	+	+	+	+	44	
Intestine Small, Jejunum	+	+	A	+	+	+	+	+	+	+	+	A	+	+	+	A	+	A	+	+	+	+	+	+	45	
Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Basophilic Focus	X																								4	
Eosinophilic Focus																									1	
Inflammation, Chronic																							2		2 2.0	
Mineralization																3				2					2 2.5	
Necrosis									4							3	4			4	3	4			8 3.4	

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B6C3F1 MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
300 MG/KG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	0	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0		

Thrombosis 2 2.5

ENDOCRINE SYSTEM

Adrenal Cortex	+ +																								50	
Hyperplasia																										2 1.5
Hypertrophy																										1 2.0
Necrosis																										1 2.0
Adrenal Medulla	+ +																								50	
Hyperplasia	2																									2 2.0
Islets, Pancreatic	+ +																								49	
Hyperplasia																										2 2.5
Parathyroid Gland	+ +																								47	
Pituitary Gland	+ +																								50	
Pars Distalis, Hyperplasia																										2 1.8
Thyroid Gland	+ +																								50	
Follicular Cell, Hyperplasia																										1 2.0

GENERAL BODY SYSTEM

NONE

GENITAL SYSTEM

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B6C3F1 MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
300 MG/KG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
ANIMAL ID	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	0	

Clitoral Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	48	
Ovary	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Angiectasis																										1	2.0
Cyst																										4	3.0
Uterus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50	
Endometrium, Hyperplasia, Cystic	4	4				4		1		3				3					3		4		2	4	21	3.2	

HEMATOPOIETIC SYSTEM

Bone Marrow	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Lymph Node																											2	
Lymph Node, Mandibular	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Lymph Node, Mesenteric	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Inflammation, Acute																										1	4.0	
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50		
Depletion Cellular																										9	2.4	
Thymus	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	M	+	+	47	

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TDMS No. 88105 - 04
 Test Type: CHRONIC
 Route: GAVAGE
 Species/Strain: MICE/B6C3F1

P09: NON-NEOPLASTIC LESIONS BY INDIVIDUAL ANIMAL
 ISOEUGENOL
 CAS Number: 97-54-1
 Pathologist: Blackshear, P. - GRUMBEIN, S.

Date Report Reqsted: 10/04/2006
 Time Report Reqsted: 13:43:51
 First Dose M/F: 05/09/02 / 05/08/02
 Lab: BNW

DAY ON TEST	ANIMAL ID																								* TOTALS
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
7	7	4	7	7	7	7	7	6	7	5	2	7	7	7	5	5	5	5	5	5	5	5	5	7	
2	2	9	2	2	2	2	2	0	2	3	7	2	2	2	6	5	5	5	5	5	5	5	5	2	
8	9	7	7	8	7	9	8	5	7	8	7	9	7	7	0	3	3	3	4	3	5	4	4	8	
B6C3F1 MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
300 MG/KG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	
	7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0	
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	0	
																									* TOTALS

INTEGUMENTARY SYSTEM

Mammary Gland	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Skin	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50

MUSCULOSKELETAL SYSTEM

Bone	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	----

NERVOUS SYSTEM

Brain	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Necrosis				2																					1 2.0

RESPIRATORY SYSTEM

Lung	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Thrombosis																									1 1.0
Bronchiole, Hyperplasia																									1 2.0
Bronchiole, Necrosis																									1 2.0
Nose	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	50
Thrombosis																									1 2.0
Glands, Hyperplasia	4	4	2	3	4	3	3	3	3	3	3	3	3	3	2	3	3	4	4	4	4	3	3	49 3.3	
Olfactory Epithelium, Accumulation,				2	1	1				1					1	1	1	2						12 1.3	

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	DAY ON TEST																								* TOTALS
	7 2 8	7 2 9	4 9 7	7 2 7	7 2 8	7 2 7	7 2 9	7 2 8	6 0 5	7 2 7	5 3 8	2 7 7	7 2 9	7 2 7	5 6 0	5 5 3	5 5 3	5 5 3	5 5 4	5 5 3	5 5 5	5 5 4	5 5 4	7 2 8	
B6C3F1 MICE FEMALE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
300 MG/KG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
ANIMAL ID	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4		
	7	7	7	7	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	0		
	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8		

Hyaline Droplet																								43	1.3			
Olfactory Epithelium, Atrophy	1	1		2		1	1	2	1	1	2			1	1	2	1	2	2	2	1	2	1	1	1	1	43	1.3
Olfactory Epithelium, Degeneration																							1				2	1.0
Olfactory Epithelium, Respiratory Metaplasia	3	3	1	2	4	3	3	2	3	3	2	1	3	3	3	2	2	2	2	2	3	2	3	2	3	2	50	2.6
Respiratory Epithelium, Necrosis																											1	2.0
Trachea	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49	

SPECIAL SENSES SYSTEM

Eye	+	+	A	+	+	+	+	+	+	+	+	A	+	+	+	+	A	A	+	A	A	+	+	+	+	42		
Cataract										2																	1	2.0
Degeneration										4																	1	4.0
Harderian Gland	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	48			
Hyperplasia																		2									2	1.5

URINARY SYSTEM

Kidney	+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	49		
Inflammation, Suppurative																										1	3.0
Nephropathy	2				1		1	1	1		1		1		1	2	2	1	2	2	1	2	3			33	1.4
Bilateral, Papilla, Necrosis							1		2																	4	2.8
Papilla, Mineralization																										1	1.0
Papilla, Necrosis	2					1		1						1				1				2	2			14	1.4
Renal Tubule, Necrosis															3		2				2		3			6	2.7

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		2	2	9	2	2	2	2	2	0	2	3	7	2	2	2	6	5	5	5	5	5	5	5	5	5	2
		8	9	7	7	8	7	9	8	5	7	8	7	9	7	7	0	3	3	3	4	3	5	4	4	8	
B6C3F1 MICE FEMALE	ANIMAL ID	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
300 MG/KG		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4
		7	7	7	7	8	8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	0
		6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	* TOTALS
Urinary Bladder		+	+	A	+	+	+	+	+	+	+	+	+	+	+	+	A	+	A	+	+	+	+	+	+	+	46

*** END OF REPORT ***

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