

**Experiment Number:** 20108-02  
**Test Type:** 90-DAY  
**Route:** GAVAGE  
**Species/Strain:** Mouse/TRAMP

**P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)**

**Test Compound:** Antioxidant model (TRAMP) - NAO (spinach extract)  
**CAS Number:** NAOSPINEXTR

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 11:21:10  
**First Dose M/F:** NA / NA  
**Lab:** ILS

**C Number:** C20108A  
**Lock Date:** Not Entered.  
**Cage Range:** All  
**Date Range:** All  
**Reasons For Removal:** All  
**Removal Date Range:** All  
**Treatment Groups:** All  
**Study Gender:** Male  
**PWG Approval Date:** NONE

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Lab: ILS

TRAMP Mouse Male  
VEHICLE CONTROL

DAY ON TEST	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0
	8	8	5	8	8	8	8	8	8	8
	8	6	7	5	7	7	9	7	8	6
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	1	0
	1	2	3	4	5	6	7	8	9	0

\*TOTALS

Alimentary System

Liver	+	+	+	+	+	+	+	+	+	+	10
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Cardiovascular System

NONE

Endocrine System

Pituitary Gland	+	+	+	+	M	+	+	+	+	+	9
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General Body System

NONE

Genital System

Epididymis	+	+	+	+	+	+	+	+	+	+	10
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Prostate, Anterior Lobe	+	+	+	+	+	+	+	+	+	+	10
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Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	10
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Prostate, Lateral Lobe	M	+	+	+	+	+	+	+	M	M	7
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Prostate, Ventral Lobe	M	M	+	M	M	M	+	+	+	+	5
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Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	10
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Testes	+	+	+	+	+	+	+	+	+	+	10
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Hematopoietic System

Spleen	+	+	+	+	+	+	+	+	+	+	10
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Integumentary System

\* ..Total animals with tissue examined microscopically; Total animals with tumor

+ ..Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A ..Autolysis precludes evaluation

BLANK ..Not examined microscopically

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 Lab: ILS

**TRAMP Mouse Male  
 VEHICLE CONTROL**

DAY ON TEST	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0
	8	8	5	8	8	8	8	8	8	8	8
	8	6	7	5	7	7	9	7	8	8	6
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	1
	1	2	3	4	5	6	7	8	9	0	0

\*TOTALS

NONE  
**Musculoskeletal System**

NONE  
**Nervous System**

NONE  
**Respiratory System**

NONE  
**Special Senses System**

NONE  
**Urinary System**

Kidney	+	+	+	+	+	+	+	+	+	+	10
Urinary Bladder	+	+	+	+	+	M	+	+	+	+	9

**SYSTEMIC LESIONS**

Multiple Organ	+	+	+	+	+	+	+	+	+	+	10
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TRAMP Mouse Male 200MG/KG	DAY ON TEST																											
	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
	8	8	8	8	8	8	5	3	8	3	8	8	3	5	3	8	8	3	5	8	5	5	8	8	8	3	5	8
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	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	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	6
3	4	5	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	1

**Alimentary System**

Liver	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Stomach, Forestomach									+																							
Stomach, Glandular									+																							

**Cardiovascular System**

NONE

**Endocrine System**

Pituitary Gland	+	M	+	M	+	+	+	+	M	+	+	+	+	+	+	+	M	+	+	+	M	+	M	+	+	M	+	M	M	M	+	+
-----------------	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

**General Body System**

NONE

**Genital System**

Epididymis	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Prostate																																	
Carcinoma																																	
Prostate, Anterior Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Prostate, Dorsal Lobe	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Prostate, Lateral Lobe	+	M	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	
Carcinoma									X																								
Prostate, Ventral Lobe	M	+	+	+	M	M	+	+	+	+	+	+	M	+	+	+	M	M	+	+	M	+	+	+	+	+	+	+	+	+	+		
Carcinoma																																	X

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Lab: ILS

TRAMP Mouse Male 200MG/KG	DAY ON TEST																																	
	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					
	8	8	8	8	8	8	5	3	8	3	8	8	3	5	3	8	8	3	5	8	5	5	8	8	8	3	5	8	8	8				
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	0	0	0	0	0	0	0	0	0	0				
	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5				
	3	4	5	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	1	2	3			
Seminal Vesicle	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+				
Testes	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
<b>Hematopoietic System</b>																																		
Lymph Node																			+															
Spleen	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+			
Thymus							+																											
<b>Integumentary System</b>																																		
Mammary Gland									+																									
<b>Musculoskeletal System</b>																																		
NONE																																		
<b>Nervous System</b>																																		
NONE																																		
<b>Respiratory System</b>																																		
NONE																																		
<b>Special Senses System</b>																																		
Eye																			+															
<b>Urinary System</b>																																		
Kidney	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Urinary Bladder	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	M	+	+	+	+	+	M	+

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 First Dose M/F: NA / NA  
 Lab: ILS

**TRAMP Mouse Male  
 200MG/KG**

DAY ON TEST	0	
	0	
	8	
	6	
ANIMAL ID	0	
	0	
	0	
	6	
	4	*TOTALS

**Alimentary System**

Liver	+	32
Stomach, Forestomach		1
Stomach, Glandular		1

**Cardiovascular System**

NONE

**Endocrine System**

Pituitary Gland	M	21
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**General Body System**

NONE

**Genital System**

Epididymis	+	32
Prostate		1
Carcinoma		1
Prostate, Anterior Lobe	+	32
Prostate, Dorsal Lobe	+	31
Prostate, Lateral Lobe	+	30
Carcinoma		2
Prostate, Ventral Lobe	+	24
Carcinoma		1

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First Dose M/F: NA / NA

Lab: ILS

	DAY ON TEST	
	ANIMAL ID	
	0	
	0	
	8	
	6	
	0	
	0	
	0	
	6	
	4	<b>*TOTALS</b>
Seminal Vesicle	+	32
Testes	+	32
<b>Hematopoietic System</b>		
Lymph Node		2
Spleen	+	32
Thymus		1
<b>Integumentary System</b>		
Mammary Gland		1
<b>Musculoskeletal System</b>		
NONE		
<b>Nervous System</b>		
NONE		
<b>Respiratory System</b>		
NONE		
<b>Special Senses System</b>		
Eye		3
<b>Urinary System</b>		
Kidney	+	32
Urinary Bladder	+	30

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TRAMP Mouse Male  
200MG/KG

DAY ON TEST	0	
	0	
	8	
	6	
ANIMAL ID	0	
	0	
	0	
	6	
	4	*TOTALS

SYSTEMIC LESIONS

Multiple Organ + 32

\*\*\*END OF MALE DATA\*\*\*

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+ ..Tissue examined microscopically  
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**\*\* END OF REPORT \*\***

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