Experiment Number: 20108-06 Test Type: 90-DAY Route: GAVAGE Species/Strain: Mouse/TRAMP

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)

Test Compound: Antioxidant model (TRAMP) - N-acetylcysteine

CAS Number: 616-91-1

Date Report Requested: 10/23/2014 Time Report Requested: 14:18:39 First Dose M/F: NA / NA Lab: ILS

C Number:	C20108C
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

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)

Test Compound: Antioxidant model (TRAMP) - N-acetylcysteine

CAS Number: 616-91-1

Date Report Requested: 10/23/2014 Time Report Requested: 14:18:39 First Dose M/F: NA / NA Lab: ILS

TRAMP Mouse MALE	VEHICLE CONTROL	NAC 125MG/KG
Disposition Summary		
Animals Initially In Study	12	32
Scheduled Sacrifice	12	31
Early Deaths		
Survivors		
Animals Examined Microscopically	12	32
ALIMENTARY SYSTEM		
Liver	(12)	(32)
Inflammation, Focal	6 (50%)	8 (25%)
Tension Lipidosis		1 (3%)
CARDIOVASCULAR SYSTEM		
None		
ENDOCRINE SYSTEM		
Pituitary Gland	(10)	(23)
GENERAL BODY SYSTEM		
None		
GENITAL SYSTEM		
Epididymis	(12)	(32)
Atypia Cellular	1 (8%)	
Granuloma Sperm		1 (3%)
Inflammation		1 (3%)
Prostate	(1)	(0)
Prostate, Anterior Lobe	(12)	(32)
Hyperplasia, Grade 2, Focal		1 (3%)
Hyperplasia, Grade 3, Diffuse		1 (3%)
Hyperplasia, Grade 3, Focal	3 (25%)	7 (22%)
Hyperplasia, Grade 3, Multifocal	6 (50%)	21 (66%)

Experiment Number: 20108-06

Species/Strain: Mouse/TRAMP

Test Type: 90-DAY

Route: GAVAGE

a - Number of animals examined microscopically at site and number of animals with lesion

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)

Test Compound: Antioxidant model (TRAMP) - N-acetylcysteine

CAS Number: 616-91-1

Date Report Requested: 10/23/2014 Time Report Requested: 14:18:39 First Dose M/F: NA / NA Lab: ILS

Experiment Number: 20108-06
Test Type: 90-DAY
Route: GAVAGE
Species/Strain: Mouse/TRAMP

Hyperplasia, Grade 4, Focal Prostate, Dorsal Lobe Hyperplasia, Grade 3, Diffuse Hyperplasia, Grade 3, Focal Hyperplasia, Grade 3, Multifocal Hyperplasia, Grade 4, Diffuse Hyperplasia, Grade 4, Focal Hyperplasia, Grade 4, Multifocal	3 (25%) (12) 5 (42%) 2 (17%) 5 (42%) (10) 7 (70%)	2 (6%) (29) 2 (7%) 4 (14%) 9 (31%) 1 (3%) 10 (34%) 1 (3%) 2 (7%) (28)
Hyperplasia, Grade 3, Diffuse Hyperplasia, Grade 3, Focal Hyperplasia, Grade 3, Multifocal Hyperplasia, Grade 4, Diffuse Hyperplasia, Grade 4, Focal Hyperplasia, Grade 4, Multifocal	5 (42%) 2 (17%) 5 (42%) (10)	2 (7%) 4 (14%) 9 (31%) 1 (3%) 10 (34%) 1 (3%) 2 (7%) (28)
Hyperplasia, Grade 3, Focal Hyperplasia, Grade 3, Multifocal Hyperplasia, Grade 4, Diffuse Hyperplasia, Grade 4, Focal Hyperplasia, Grade 4, Multifocal	2 (17%) 5 (42%) (10)	4 (14%) 9 (31%) 1 (3%) 10 (34%) 1 (3%) 2 (7%) (28)
Hyperplasia, Grade 3, Multifocal Hyperplasia, Grade 4, Diffuse Hyperplasia, Grade 4, Focal Hyperplasia, Grade 4, Multifocal	5 (42%) (10)	9 (31%) 1 (3%) 10 (34%) 1 (3%) 2 (7%) (28)
Hyperplasia, Grade 4, Diffuse Hyperplasia, Grade 4, Focal Hyperplasia, Grade 4, Multifocal	5 (42%) (10)	1 (3%) 10 (34%) 1 (3%) 2 (7%) (28)
Hyperplasia, Grade 4, Focal Hyperplasia, Grade 4, Multifocal	(10)	10 (34%) 1 (3%) 2 (7%) (28)
Hyperplasia, Grade 4, Multifocal	(10)	1 (3%) 2 (7%) (28)
•••••		2 (7%) (28)
		(28)
Hyperplasia, Grade 5, Focal		
Prostate, Lateral Lobe	7 (70%)	
Hyperplasia, Grade 3, Diffuse		11 (39%)
Hyperplasia, Grade 3, Focal	1 (10%)	
Hyperplasia, Grade 3, Multifocal	2 (20%)	17 (61%)
Prostate, Ventral Lobe	(7)	(25)
Hyperplasia, Grade 2, Focal		1 (4%)
Hyperplasia, Grade 2, Multifocal	1 (14%)	5 (20%)
Hyperplasia, Grade 3, Diffuse	1 (14%)	1 (4%)
Hyperplasia, Grade 3, Focal		12 (48%)
Hyperplasia, Grade 3, Multifocal	5 (71%)	5 (20%)
Hyperplasia, Grade 4, Focal		1 (4%)
Seminal Vesicle	(12)	(32)
Hyperplasia, Grade 2, Focal		5 (16%)
Hyperplasia, Grade 2, Multifocal	2 (17%)	
Hyperplasia, Grade 3, Focal		1 (3%)
Hyperplasia, Papillary	3 (25%)	7 (22%)
Testes	(12)	(32)
Germinal Epith, Syncytial Alteration	2 (17%)	2 (6%)
Seminif Tub, Atrophy		1 (3%)
HEMATOPOIETIC SYSTEM		
Lymph Node	(0)	(2)

a - Number of animals examined microscopically at site and number of animals with lesion

P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)

Test Compound: Antioxidant model (TRAMP) - N-acetylcysteine

CAS Number: 616-91-1

Date Report Requested: 10/23/2014 Time Report Requested: 14:18:39 First Dose M/F: NA / NA Lab: ILS

 Test Type: 90-DAY
 Test Compound: Antioxida

 Route: GAVAGE
 CAS Nu

 Species/Strain: Mouse/TRAMP
 CAS Nu

 TRAMP Mouse MALE
 VEHICLE CONTROL
 NAC
 125MG/KG

 Spleen
 (12)
 (31)

Experiment Number: 20108-06

Spleen	(12)	(31)
Hematopoietic Cell Proliferation		2 (6%)
INTEGUMENTARY SYSTEM		
Skin	(0)	(1)
MUSCULOSKELETAL SYSTEM		
None		
NERVOUS SYSTEM		
None		
RESPIRATORY SYSTEM		
None		
SPECIAL SENSES SYSTEM		
None		
URINARY SYSTEM		
Kidney	(12)	(32)
Cortex, Renal Tubule, Regeneration, Focal	1 (8%)	5 (16%)
Urinary Bladder	(12)	(28)

** END OF REPORT **

a - Number of animals examined microscopically at site and number of animals with lesion