

**Experiment Number:** 96013-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

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

**Test Compound:** Melatonin  
**CAS Number:** 73-31-4

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 08:30:47  
**First Dose M/F:** NA / NA  
**Lab:** BAT

**C Number:** C96013  
**Lock Date:** Not Entered.  
**Cage Range:** All  
**Date Range:** All  
**Reasons For Removal:** All  
**Removal Date Range:** All  
**Treatment Groups:** All  
**Study Gender:** Both  
**PWG Approval Date:** NONE

Experiment Number: 96013-01

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

Date Report Requested: 10/23/2014

Test Type: 14-DAY

Test Compound: Melatonin

Time Report Requested: 08:30:47

Route: GAVAGE

CAS Number: 73-31-4

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat MALE	0 UG/KG	5 UG/KG	50 UG/KG	5000 UG/KG	50,000 UG/KG	200,000 UG/KG
<b>Disposition Summary</b>						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	1		3	2	10
<b>ALIMENTARY SYSTEM</b>						
Liver	(0)	(1)	(0)	(3)	(2)	(0)
Hepatodiaphragmatic Nodule		1 (100%)		3 (100%)	2 (100%)	
<b>CARDIOVASCULAR SYSTEM</b>						
None						
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(0)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(0)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Epididymis	(10)	(0)	(0)	(0)	(0)	(10)
Preputial Gland	(10)	(0)	(0)	(0)	(0)	(10)
Prostate	(10)	(0)	(0)	(0)	(0)	(10)
Seminal Vesicle	(10)	(0)	(0)	(1)	(0)	(10)
Testes	(10)	(0)	(0)	(0)	(0)	(10)
<b>HEMATOPOIETIC SYSTEM</b>						
Thymus	(10)	(0)	(0)	(0)	(0)	(10)
<b>INTEGUMENTARY SYSTEM</b>						

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

**Experiment Number:** 96013-01

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

**Date Report Requested:** 10/23/2014

**Test Type:** 14-DAY

**Test Compound:** Melatonin

**Time Report Requested:** 08:30:47

**Route:** GAVAGE

**CAS Number:** 73-31-4

**First Dose M/F:** NA / NA

**Species/Strain:** Rat/F 344/N

**Lab:** BAT

---

<b>F 344/N Rat MALE</b>	<b>0 UG/KG</b>	<b>5 UG/KG</b>	<b>50 UG/KG</b>	<b>5000 UG/KG</b>	<b>50,000 UG/KG</b>	<b>200,000 UG/KG</b>
None						
MUSCULOSKELETAL SYSTEM						
None						
NERVOUS SYSTEM						
None						
RESPIRATORY SYSTEM						
None						
SPECIAL SENSES SYSTEM						
None						
URINARY SYSTEM						
None						

---

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

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

Experiment Number: 96013-01

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

Date Report Requested: 10/23/2014

Test Type: 14-DAY

Test Compound: Melatonin

Time Report Requested: 08:30:47

Route: GAVAGE

CAS Number: 73-31-4

First Dose M/F: NA / NA

Species/Strain: Rat/F 344/N

Lab: BAT

F 344/N Rat FEMALE	0 UG/KG	5 UG/KG	50 UG/KG	5000 UG/KG	50,000 UG/KG	200,000 UG/KG
<b>Disposition Summary</b>						
Animals Initially In Study	10	10	10	10	10	10
Early Deaths						
Survivors						
Terminal Sacrifice	10	10	10	10	10	10
Animals Examined Microscopically	10	2	2		1	10
<b>ALIMENTARY SYSTEM</b>						
Liver	(2)	(2)	(2)	(0)	(1)	(3)
Hepatodiaphragmatic Nodule	2 (100%)	2 (100%)	2 (100%)		1 (100%)	3 (100%)
Inflammation, Chronic	2 (100%)					1 (33%)
<b>CARDIOVASCULAR SYSTEM</b>						
None						
<b>ENDOCRINE SYSTEM</b>						
Adrenal Cortex	(10)	(1)	(0)	(0)	(0)	(10)
Adrenal Medulla	(10)	(1)	(0)	(0)	(0)	(10)
Thyroid Gland	(10)	(0)	(0)	(0)	(0)	(10)
<b>GENERAL BODY SYSTEM</b>						
None						
<b>GENITAL SYSTEM</b>						
Ovary	(10)	(0)	(0)	(0)	(0)	(10)
Uterus	(10)	(0)	(0)	(0)	(0)	(10)
Endometrium, Hyperplasia, Cystic	5 (50%)					5 (50%)
Epithelium, Cytoplasmic Alteration						1 (10%)
Metaplasia, Squamous						1 (10%)
<b>HEMATOPOIETIC SYSTEM</b>						
Thymus	(10)	(0)	(0)	(0)	(0)	(10)

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

**Experiment Number:** 96013-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N

**P03: INCIDENCE RATES OF NON-NEOPLASTIC LESIONS BY ANATOMIC SITE (a)**  
**Test Compound:** Melatonin  
**CAS Number:** 73-31-4

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 08:30:47  
**First Dose M/F:** NA / NA  
**Lab:** BAT

---

<b>F 344/N Rat FEMALE</b>	<b>0 UG/KG</b>	<b>5 UG/KG</b>	<b>50 UG/KG</b>	<b>5000 UG/KG</b>	<b>50,000 UG/KG</b>	<b>200,000 UG/KG</b>
<hr/>						
INTEGUMENTARY SYSTEM						
None						
<hr/>						
MUSCULOSKELETAL SYSTEM						
None						
<hr/>						
NERVOUS SYSTEM						
None						
<hr/>						
RESPIRATORY SYSTEM						
None						
<hr/>						
SPECIAL SENSES SYSTEM						
None						
<hr/>						
URINARY SYSTEM						
None						
<hr/>						

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