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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

Date Report Requested: 10/23/2014
Time Report Requested: 08:31:12
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
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/23/2014
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First Dose M/F: NA / NA
Lab: BAT

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F 344/N Rat Male
0 UG/KG

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*TOTALS

Alimentary System
NONE

Cardiovascular System
NONE

Endocrine System

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General Body System
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Genital System

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Hematopoietic System

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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
**P4: NEOPLASMS BY INDIVIDUAL ANIMAL**

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

**Musculoskeletal System**  
NONE

**Nervous System**  
NONE

**Respiratory System**  
NONE

**Special Senses System**  
NONE

**Urinary System**  
NONE

**SYSTEMIC LESIONS**  
NONE

**Multiple Organ**  
+ + + + + + + + 10

---

* ..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

---

**Experiment Number:** 96013-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N  
**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 08:31:12  
**First Dose M/F:** NA / NA  
**Lab:** BAT
Experiment Number: 96013-01

Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Rat/F 344/N

Test Compound: Melatonin

CAS Number: 73-31-4

Date Report Requested: 10/23/2014

Time Report Requested: 08:31:12

First Dose M/F: NA / NA

Lab: BAT

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F 344/N Rat Male

5 UG/KG

ANIMAL ID

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*TOTALS

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**ALIMENTARY SYSTEM**

Liver + 1

**CARDIOVASCULAR SYSTEM**

NONE

**ENDOCRINE SYSTEM**

NONE

**GENERAL BODY SYSTEM**

NONE

**GENITAL SYSTEM**

NONE

**HEMATOPOIETIC SYSTEM**

NONE

**INTEGUMENTARY SYSTEM**

NONE

**MUSCULOSKELETAL SYSTEM**

NONE

**NERVOUS SYSTEM**

NONE

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

M ..Missing tissue

+ ..Tissue examined microscopically

A ..Autolysis precludes evaluation

X ..Lesion present

BLANK ..Not examined microscopically

I ..Insufficient tissue
Experiment Number: 96013-01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/23/2014
Time Report Requested: 08:31:12
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST
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F 344/N Rat Male
5 UG/KG

ANIMAL ID
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1 2 3 4 5 6 7 8 9

*TOTALS

Respiratory System
NONE

Special Senses System
NONE

Urinary System
NONE

SYSTEMIC LESIONS
Multiple Organ + 1

* ..Total animals with tissue examined microscopically; Total animals with tumor
M ..Missing tissue
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A ..Autolysis precludes evaluation
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BLANK ..Not examined microscopically
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Page 5
## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

### Experiment Information
- **Experiment Number:** 96013-01
- **Test Type:** 14-DAY
- **Route:** GAVAGE
- **Species/Strain:** Rat/F 344/N
- **Date Report Requested:** 10/23/2014
- **Time Report Requested:** 08:31:12
- **First Dose M/F:** NA / NA
- **Lab:** BAT

### DAY ON TEST

#### F 344/N Rat Male

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* ..Total animals with tissue examined microscopically; Total animals with tumor
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X ..Lesion present
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A ..Autolysis precludes evaluation
BLANK ..Not examined microscopically
### DAY ON TEST

**F 344/N Rat Male**  
**50 UG/KG**

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**SYSTEMIC LESIONS**

- Multiple Organ: 0

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I ..Insufficient tissue  
M ..Missing tissue  
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BLANK ..Not examined microscopically
P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

F 344/N Rat Male
5000 UG/KG

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*TOTALS

Alimentary System

Liver

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

Seminal Vesicle

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

* ..Total animals with tissue examined microscopically; Total animals with tumor
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A ..Autolysis precludes evaluation
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Experiment Number: 96013-01
Test Type: 14-DAY
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Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/23/2014
Time Report Requested: 08:31:12
First Dose M/F: NA / NA
Lab: BAT

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| F 344/N Rat Male | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
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* TOTALS

Respiratory System
NONE

Special Senses System
NONE

Urinary System
NONE

SYSTEMIC LESIONS

Multiple Organ
+ + +

3

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
M ..Missing tissue
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I ..Insufficient tissue
BLANK ..Not examined microscopically
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*TOTALS

**Alimentary System**
- Liver: + + 2

**Cardiovascular System**
- NONE

**Endocrine System**
- NONE

**General Body System**
- NONE

**Genital System**
- NONE

**Hematopoietic System**
- NONE

**Integumentary System**
- NONE

**Musculoskeletal System**
- NONE

**Nervous System**
- NONE

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/23/2014
Time Report Requested: 08:31:12
First Dose M/F: NA / NA
Lab: BAT

Respiratory System
NONE

Special Senses System
NONE

Urinary System
NONE

SYSTEMIC LESIONS
Multiple Organ + + 2

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* ..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

Page 11
## Experiment Number: 96013-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N  
**Test Compound:** Melatonin  
**CAS Number:** 73-31-4  
**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 08:31:12  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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### F 344/N Rat Male  
**200,000 UG/KG**

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* **TOTALS**

**Alimentary System**

- NONE

**Cardiovascular System**

- NONE

**Endocrine System**

- Adrenal Cortex:
  - + + + + + + + + + + 10
- Adrenal Medulla:
  - + + + + + + + + + + 10
- Thyroid Gland:
  - + + + + + + + + + + 10

**General Body System**

- NONE

**Genital System**

- Epididymis:
  - + + + + + + + + + + 10
- Preputial Gland:
  - + + + + + + + + + + 10
- Prostate:
  - + + + + + + + + + + 10
- Seminal Vesicle:
  - + + + + + + + + + + 10
- Testes:
  - + + + + + + + + + + 10

**Hematopoietic System**

- Thymus:
  - + + + + + + + + + + 10

**Integumentary System**

* ..Total animals with tissue examined microscopically; Total animals with tumor  
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BLANK ..Not examined microscopically
Experiment Number: 96013-01  
Test Type: 14-DAY  
Route: GAVAGE  
Species/Strain: Rat/F 344/N  

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* TOTALS

**TOTALS**

None

Musculoskeletal System

None

Nervous System

None

Respiratory System

None

Special Senses System

None

Urinary System

None

**SYSTEMIC LESIONS**

Multiple Organ

+ + + + + + + + + +

10

***END OF MALE DATA***

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
M ..Missing tissue
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BLANK ..Not examined microscopically
| ANIMAL ID | 0 | 0 | 2 | 8 | 0 | 0 | 9 | 0 | 0 | 0 | 2 | 8 | 0 | 0 | 9 | 0 | 0 | 0 | 2 | 8 | 0 | 0 | 9 | 0 |
| F 344/N Rat Female | 0 UG/KG |

**Alimentary System**

- Liver
  - + +
  - 2

**Cardiovascular System**

- NONE

**Endocrine System**

- Adrenal Cortex + + + + + + + + + + 10
- Adrenal Medulla + + + + + + + + + + 10
- Thyroid Gland + + + + + + + + + + 10

**General Body System**

- NONE

**Genital System**

- Ovary + + + + + + + + + + 10
- Uterus + + + + + + + + + + 10

**Hematopoietic System**

- Thymus + + + + + + + + + + 10

**Integumentary System**

- NONE

**Musculoskeletal System**

- None

---

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

#### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 08:31:13  
**First Dose M/F:** NA / NA  
**Lab:** BAT

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**F 344/N Rat Female**  
**0 UG/KG**

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**Systemic Lesions**

- **Multiple Organ:** + + + + + + + + + 10

---

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**Experiment Number:** 96013-01  
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**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N  
**Test Compound:** Melatonin  
**CAS Number:** 73-31-4  
**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 08:31:13  
**First Dose M/F:** NA / NA  
**Lab:** BAT

### Alimentary System

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*TOTALS*

**Liver**  
+   +   +   2

### Cardiovascular System

**NONE**

### Endocrine System

- **Adrenal Cortex**  
  +   1
- **Adrenal Medulla**  
  +   1

### General Body System

**NONE**

### Genital System

**NONE**

### Hematopoietic System

**NONE**

### Integumentary System

**NONE**

### Musculoskeletal System

**NONE**

### Nervous System

**NONE**

---

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

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/23/2014
Time Report Requested: 08:31:13
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST

F 344/N Rat Female
5 UG/KG

ANIMAL ID

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1 2 3 4 5 6 7 8 9 0

*TOTALS

NONE
Respiratory System
NONE
Special Senses System
NONE
Urinary System
NONE

SYSTEMIC LESIONS

Multiple Organ + + 2

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Page 17
**Experiment Number:** 96013-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N  
**Test Compound:** Melatonin  
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**Date Report Requested:** 10/23/2014  
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**First Dose M/F:** NA / NA  
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**Alimentary System**

- **Liver**
  - +
  - +
  - **2**

**Cardiovascular System**

- NONE

**Endocrine System**

- NONE

**General Body System**

- NONE

**Genital System**

- NONE

**Hematopoietic System**

- NONE

**Integumentary System**

- NONE

**Musculoskeletal System**

- NONE

**Nervous System**

- NONE

---

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 BLANK ..Not examined microscopically  
I ..Insufficient tissue
Experiment Number: 96013-01
Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Rat/F 344/N

P04: NEOPLASMS BY INDIVIDUAL ANIMAL
Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/23/2014
Time Report Requested: 08:31:13
First Dose M/F: NA / NA
Lab: BAT

F 344/N Rat Female
50 UG/KG

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*TOTALS

Respiratory System
NONE

Special Senses System
NONE

Urinary System
NONE

SYSTEMIC LESIONS

Multiple Organ + + 2

* ..Total animals with tissue examined microscopically; Total animals with tumor
+ ..Tissue examined microscopically
X ..Lesion present
I ..Insufficient tissue
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## P04: NEOPLASMS BY INDIVIDUAL ANIMAL

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

### Experiment Number
96013-01  
**Test Type:** 14-DAY  
**Route:** GAVAGE  
**Species/Strain:** Rat/F 344/N  
**Date Report Requested:** 10/23/2014  
**Time Report Requested:** 08:31:13  
**First Dose M/F:** NA / NA  
**Lab:** BAT

### DAY ON TEST

**F 344/N Rat Female**  
**5000 UG/KG**

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<th>Endocrine System</th>
<th>General Body System</th>
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Test Compound: Melatonin
CAS Number: 73-31-4

Date Report Requested: 10/23/2014
Time Report Requested: 08:31:13
First Dose M/F: NA / NA
Lab: BAT

DAY ON TEST
F 344/N Rat Female
5000 UG/KG

ANIMAL ID

Respiratory System
NONE

Special Senses System
NONE

Urinary System
NONE

SYSTEMIC LESIONS
Multiple Organ 0

* ..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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**F 344/N Rat Female**

**50,000 UG/KG**

**ANIMAL ID**

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**Alimentary System**

- Liver: + 1

**Cardiovascular System**

NONE

**Endocrine System**

NONE

**General Body System**

NONE

**Genital System**

NONE

**Hematopoietic System**

NONE

**Integumentary System**

NONE

**Musculoskeletal System**

NONE

**Nervous System**

NONE

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

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

Date Report Requested: 10/23/2014  
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Lab: BAT

### P04: NEOPLASMS BY INDIVIDUAL ANIMAL

**Respiratory System**

NONE

**Special Senses System**

NONE

**Urinary System**

NONE

**SYSTEMIC LESIONS**

- **Multiple Organ**
  
  + 1

---

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ANIMAL ID

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*TOTALS

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| 8 8 8 8 8 8 8 8 8 8 |

Alimentary System

Liver + + + + + + + + + 3

Cardiovascular System

NONE

Endocrine System

Adrenal Cortex + + + + + + + + + + 10
Adrenal Medulla + + + + + + + + + + 10
Thyroid Gland + + + + + + + + + + 10

General Body System

NONE

Genital System

Ovary + + + + + + + + + + 10
Uterus + + + + + + + + + + 10

Hematopoietic System

Thymus + + + + + + + + + + 10

Integumentary System

NONE

Musculoskeletal System

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**End of Report**