Test Type: 18-33 DAYS

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/BALB/C

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**Test Compound:** 2,3 butanedione

CAS Number: 431-03-8

Date Report Requested: 10/23/2014 Time Report Requested: 14:03:37

First Dose M/F: NA / NA

Lab: VCU

**C Number**: 120606

**Lock Date:** 02/12/2009

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Female

PWG Approval Date NONE

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Type: 18-33 DAYS

Test Compound: 2,3 butanedione

First Dose M/F: NA / NA

Date Report Requested: 10/23/2014

Time Report Requested: 14:03:37

**CAS Number:** 431-03-8 Route: RESPIRATORY EXPOSURE WHOLE BODY Species/Strain: Mouse/BALB/C

Lab: VCU

	DAY ON TEST
<b>BALB/C Mouse Fe</b>	male
Air Control	
	ANIMAL ID

Tε 0 0 0 0 0 0 0 2 5 2 5 2 5 **2 5** 0 0 0 0 0 0 0 0 7 Õ 0 0 3 5 006 0 0 0 9 2

\*TOTALS

5

**Alimentary System** 

Liver

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

### **Hematopoietic System**

Bronchial Associated Lymphoid Tissue	+	+	+	M	M	3
Lymph Node, Bronchial	+	M	M	+	+	3
Lymph Node, Mediastinal	M	+	М	+	+	3
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5

### **Integumentary System**

NONE

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

Route: RESPIRATORY EXPOSURE WHOLE BODY

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 2,3 butanedione

**CAS Number:** 431-03-8

Time Report Requested: 14:03:37 First Dose M/F: NA / NA

Date Report Requested: 10/23/2014

Lab: VCU

Species/Strain: Mouse/BALB/C

Test Type: 18-33 DAYS

							1
DAY O	N TEST	0	0	0	0	0	
BALB/C Mouse Female		0	0	0	0	0	
D/ (LD/ O MOGOO I OMGO		2	2	2	2	2	l
Air Control		5	5	5	5	5	
	MAL ID	0	0	0	0	0	l
AIN		0	0	0	0	0	l
		Ö	Ö	Ö	Ö	Ő	١
		0	0	0	2	3	l
		6	7	9	0	5	

\*TOTALS

5

## Musculoskeletal System

NONE

## **Nervous System**

NONE

## **Respiratory System**

Lung	+	+	+	+	+
Trachea	+	M	Μ	M	Μ

## **Special Senses System**

NONE

## **Urinary System**

NONE

### **SYSTEMIC LESIONS**

Multiple Organ 5

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**Test Type:** 18-33 DAYS **Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Test Compound:** 2,3 butanedione

Species/Strain: Mouse/BALB/C

**CAS Number:** 431-03-8

5

Date Report Requested: 10/23/2014 Time Report Requested: 14:03:37

First Dose M/F: NA / NA

Lab: VCU

	DAY ON TEST	0	0	0	0	0	
BALB/C Mouse Female	e	0	0 2	0	0	0	
DA 25-ppm		5	5	5	5	5	
• •	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		1 6	3	3	4 5	5 6	*TOTALS

**Alimentary System** 

Liver + + + + +

# **Cardiovascular System**

NONE

# **Endocrine System**

NONE

## **General Body System**

NONE

### **Genital System**

NONE

### **Hematopoietic System**

Bronchial Associated Lymphoid Tissue	+	+	+	+	+	5
Lymph Node, Bronchial	+	+	M	+	+	4
Lymph Node, Mediastinal	М	М	М	+	M	1
Spleen	+	+	+	+	+	5
Thymus	+	+	+	+	+	5

## **Integumentary System**

NONE

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**Test Type:** 18-33 DAYS **Route:** RESPIRATORY EXPOSURE WHOLE BODY

Test Compound: 2,3 butanedione

Time Report Requested: 14:03:37

Date Report Requested: 10/23/2014

CAS Number: 431-03-8

noport Roquestou.

First Dose M/F: NA / NA

Lab: VCU

Species/Strain: Mouse/BALB/C

DAY ON TEST	0	0	0	0	0	
BALB/C Mouse Female	0	0	0	0	0	
DA 25-ppm	2 5	2 5	2 5	2 5	5	
ANIMAL ID	0	0	0	0	0	
/ (( ( ( ) ) )	0	0	0	0	0	
	Ĭ	3	3	4	5	
	6	1 1	3	5	6	ı

\*TOTALS

## Musculoskeletal System

NONE

# **Nervous System**

NONE

## **Respiratory System**

Lung	+	+	+	+	+	5
Trachea	M	M	M	M	M	0

## **Special Senses System**

NONE

## **Urinary System**

NONE

### **SYSTEMIC LESIONS**

Multiple Organ + + + + +

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

5

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Type: 18-33 DAYS

Test Compound: 2,3 butanedione

Route: RESPIRATORY EXPOSURE WHOLE BODY

Species/Strain: Mouse/BALB/C

CAS Number: 431-03-8

Lab: VCU

Date Report Requested: 10/23/2014

Time Report Requested: 14:03:37

First Dose M/F: NA / NA

	u
<b>BALB/C Mouse Female</b>	•
DA 50-ppm	

DAY ON TEST 0 0 0 0 0 0 0 0 2 5 2 5 *2 5 2 5 2 5* 0 0 0 0 0 0 0 2 0 0 0 1 0 ANIMAL ID 0 0 0 0 0 5 2 0 0 6 4 4 3 8

\*TOTALS

**Alimentary System** 

Liver + + + + + + 6

**Cardiovascular System** 

NONE

**Endocrine System** 

NONE

**General Body System** 

NONE

**Genital System** 

NONE

### **Hematopoietic System**

Bronchial Associated Lymphoid Tissue	+	+	M	+	+	+	5
Lymph Node, Bronchial	+	М	M	+	+	+	4
Lymph Node, Mediastinal	+	M	M	+	M	M	2
Spleen	+	+	+	+	+	+	6
Thymus	+	+	+	+	+	+	6

### **Integumentary System**

NONE

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X .. Lesion present

I ..Insufficient tissue

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

**CAS Number:** 431-03-8

Test Type: 18-33 DAYS Route: RESPIRATORY EXPOSURE WHOLE BODY Test Compound: 2,3 butanedione

Date Report Requested: 10/23/2014

Time Report Requested: 14:03:37

First Dose M/F: NA / NA

Lab: VCU

Species/Strain: Mouse/BALB/C

1	DAY ON TEST	0	0	0	0	0	0	
<b>BALB/C Mouse Female</b>		0	0 2	0	0	0	0	
DA 50-ppm		5	5	5	5	5	5	
	ANIMAL ID	0	0	0	0	0	0	
	,,	0	0	0	0	0	0	
		0	0	0	0	0	0	
		0	1	4	5	6	8	l
		2	4	3	2	4	4	*TOTALS

Musculoskeletal System

NONE

**Nervous System** 

NONE

**Respiratory System** 

Lung Trachea

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

Multiple Organ 6

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Type: 18-33 DAYS Route: RESPIRATORY EXPOSURE WHOLE BODY Test Compound: 2,3 butanedione

Species/Strain: Mouse/BALB/C

**CAS Number:** 431-03-8

Time Report Requested: 14:03:37

First Dose M/F: NA / NA

Date Report Requested: 10/23/2014

Lab: VCU

	DAY ON TEST	0	0	0	0	0	0	
BALB/C Mouse Femal	е	0 2	0 2	0 2	0 2	0 2	0 2	
DA 100-ppm ANII		5	5	5	5	5	5	
	ANIMAL ID	0	0	0	0	0	0	
	AMIMAL ID	0	0	0	0	0	0	
		0	0	0	0	0	0	
		2	2	2	4	4	6	****
		2	5	7	0	6	3	TOTALS

**Alimentary System** 

Liver 6

## **Cardiovascular System**

NONE

# **Endocrine System**

NONE

## **General Body System**

NONE

### **Genital System**

NONE

## **Hematopoietic System**

Bronchial Associated Lymphoid Tissue	+	+	+	+	+	+	6	3
Lymph Node, Bronchial	+	+	+	+	+	+	6	3
Lymph Node, Mediastinal	М	M	M	+	М	М	1	
Spleen	+	+	+	+	+	+	6	3
Thymus	+	+	+	+	+	+	6	3

## **Integumentary System**

NONE

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

P07: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: 2,3 butanedione

Route: RESPIRATORY EXPOSURE WHOLE BODY

CAS Number: 431-03-8

Species/Strain: Mouse/BALB/C

Test Type: 18-33 DAYS

Lab: VCU

Date Report Requested: 10/23/2014

Time Report Requested: 14:03:38

First Dose M/F: NA / NA

DA	AY ON TEST	0	0	0	0	0	0	
BALB/C Mouse Female		0 2	0 2	0 2	0 2	0 2	0 2	
DA 100-ppm		5	5	5	5	5	5	
	ANIMAL ID	0	0	0	0	0	0	
		Ö	Ö	Ŏ	Ŏ	Ŏ	Ŏ	
		2	2	2	4	4	6	****
		2	5	17	I 0	1 6	ા ૧	i ^IOIAIS

Musculoskeletal System

NONE

**Nervous System** 

NONE

**Respiratory System** 

Lung + + + + + + + Trachea + M M M M M

**Special Senses System** 

NONE

**Urinary System** 

NONE

**SYSTEMIC LESIONS** 

\*\* END OF REPORT \*\*

M ..Missing tissue

A .. Autolysis precludes evaluation

<sup>\* ..</sup>Total animals with tissue examined microscopically; Total animals with tumor

<sup>+ ..</sup> Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue