

**TDMS No.** 20725 - 01

**Test Type:** 90-DAY

**Route:** RESPIRATORY EXPOSURE WHOLE BODY

**Species/Strain:** RATS/Wistar Han

**E05: CLINICAL OBSERVATIONS SUMMARY**

2,3-Butanedione (Diacetyl)

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

**Date Report Requested:** 07/11/2011

**Time Report Requested:** 09:50:23

**First Dose M/F:** 07/28/08 / 07/29/08

**Lab:** BNW

**C Number:** C20725  
**Lock Date:** 02/27/2009  
**Cage Range:** ALL  
**Date Range:** ALL  
**Reasons For Removal:** ALL  
**Removal Date Range:** ALL  
**Treatment Groups:** Include ALL  
**Study Gender:** Both  
**TDMSE Version:** 2.4.2.1\_003  
**PWG Approval Date:** NONE

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| OBSERVATION | CONTROL            |        | 6.25 ppm |       | 12.5 ppm |       | 25 ppm  |       |
|-------------|--------------------|--------|----------|-------|----------|-------|---------|-------|
|             | CURRENT*           | TOTAL+ | CURRENT  | TOTAL | CURRENT  | TOTAL | CURRENT | TOTAL |
|             | Abnormal Breathing | 0 / 0  | 0/10     | 0 / 0 | 0/10     | 0 / 0 | 0/10    | 0 / 0 |
| Lethargic   | 0 / 0              | 0/10   | 0 / 0    | 0/10  | 0 / 0    | 0/10  | 0 / 0   | 0/10  |
| Sneezing    | 0 / 0              | 0/10   | 0 / 0    | 0/10  | 0 / 0    | 0/10  | 0 / 0   | 0/10  |

\* ANIMALS WITH OBSERVATION IN CURRENT PERIOD / TOTAL ANIMALS OBSERVED IN CURRENT PERIOD (WITHIN 7 DAYS OF RUN DATE)

+ ROW 1 = CUMULATIVE NO. OF ANIMALS WITH OBSERVATION / TOTAL ANIMALS STARTED ON STUDY

ROW 2 = DAY OF ONSET

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| OBSERVATION        | WEEK: 14 |                  |         |                  |
|--------------------|----------|------------------|---------|------------------|
|                    | 50 ppm   |                  | 100 ppm |                  |
|                    | CURRENT* | TOTAL+           | CURRENT | TOTAL            |
| Abnormal Breathing | 0 / 0    | 0/10             | 0 / 0   | 5 / 10<br>DAY 16 |
| Lethargic          | 0 / 0    | 0/10             | 0 / 0   | 1 / 10<br>DAY 79 |
| Sneezing           | 0 / 0    | 9 / 10<br>DAY 44 | 0 / 0   | 9 / 10<br>DAY 44 |

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

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Lab: BNW

| OBSERVATION        | SEX: FEMALE |        | WEEK: 14 |       |          |       |         |       |
|--------------------|-------------|--------|----------|-------|----------|-------|---------|-------|
|                    | CONTROL     |        | 6.25 ppm |       | 12.5 ppm |       | 25 ppm  |       |
|                    | CURRENT*    | TOTAL+ | CURRENT  | TOTAL | CURRENT  | TOTAL | CURRENT | TOTAL |
| Abnormal Breathing | 0 / 0       | 0/10   | 0 / 0    | 0/10  | 0 / 0    | 0/10  | 0 / 0   | 0/10  |
| Sneezing           | 0 / 0       | 0/10   | 0 / 0    | 0/10  | 0 / 0    | 0/10  | 0 / 0   | 0/10  |

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Lab: BNW

SEX: FEMALE

WEEK: 14

| OBSERVATION        | 50 ppm   |                  | 100 ppm |                  |
|--------------------|----------|------------------|---------|------------------|
|                    | CURRENT* | TOTAL+           | CURRENT | TOTAL            |
| Abnormal Breathing | 0 / 0    | 6 / 10<br>DAY 36 | 0 / 0   | 5 / 10<br>DAY 43 |
| Sneezing           | 0 / 0    | 6 / 10<br>DAY 43 | 0 / 0   | 8 / 10<br>DAY 43 |

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

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