Species/Strain: Mouse/BALB/C

Route: RESPIRATORY EXPOSURE WHOLE BODY

Test Type: 18-33 DAYS

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

Test Compound: 2,3 butanedione **CAS Number:** 431-03-8

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

First Dose M/F: NA / NA

Lab: VCU

120606 C Number:

Lock Date: 02/12/2009

Cage Range: ΑII

Date Range: ΑII

Reasons For Removal: ΑII

Removal Date Range: ΑII

Treatment Groups: ΑII

Female **Study Gender:**

PWG Approval Date NONE

Species/Strain: Mouse/BALB/C

Route: RESPIRATORY EXPOSURE WHOLE BODY

Test Type: 18-33 DAYS

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| BALB/C Mouse FEMALE | Air Control | DA 25-ppm | DA 50-ppm | DA 100-ppm |
|--|-------------|-----------|-----------|------------|
| Disposition Summary | | | | |
| Animals Initially In Study | 5 | 5 | 6 | 6 |
| Early Deaths | | | | |
| Survivors | _ | _ | _ | _ |
| Terminal Sacrifice | 5 | 5 | 6 | 6 |
| Animals Examined Microscopically | 5 | 5 | 6 | 6 |
| ALIMENTARY SYSTEM | | | | |
| Liver | (5) | (5) | (6) | (6) |
| Inflammation, Chronic | 4 (80%) | 4 (80%) | 5 (83%) | 3 (50%) |
| CARDIOVASCULAR SYSTEM | | | | |
| None | | | | |
| ENDOCRINE SYSTEM | | | | |
| None | | | | |
| GENERAL BODY SYSTEM | | | | |
| None | | | | |
| GENITAL SYSTEM | | | | |
| None | | | | |
| HEMATOPOIETIC SYSTEM | | | | |
| Bronchial Associated Lymphoid Tissue | (3) | (5) | (5) | (6) |
| Lymph Node, Bronchial | (3) | (4) | (4) | (6) |
| Lymph Node, Mediastinal | (3) | (1) | (2) | (1) |
| Spleen | (5) | (5) | (6) | (6) |
| Follicles, Germ center, Increased Number | | | | 2 (33%) |
| Marginal Zone, Increased Size | | | 2 (33%) | 3 (50%) |
| PeriLympSheath, Decreased Number, Lymphocyte | | 1 (20%) | 2 (33%) | 2 (33%) |
| PeriLympSheath, Decreased Size | | 2 (40%) | 3 (50%) | 4 (67%) |

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

Test Type: 18-33 DAYS

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| Species/Strain: Mouse/BALB/C | | | | |
|--|--|--|--|--|
| BALB/C Mouse FEMALE | | | | |
| Davil come Charatha In agree and Normalian | | | | |

Route: RESPIRATORY EXPOSURE WHOLE BODY

| BALB/C Mouse FEMALE | Air Control | DA 25-ppm | DA 50-ppm | DA 100-ppm |
|--|-------------|-----------|-----------|------------|
| PeriLympSheath, Increased Number, Apoptotic Cel | | 1 (20%) | 1 (17%) | |
| PeriLympSheath, Increased Number, Pig Macrophag | | | 1 (17%) | |
| Red Pulp, Decreased Size | | | 3 (50%) | 4 (67%) |
| Red Pulp, Increased Number, Hemat Cells | | | 2 (33%) | |
| Thymus | (5) | (5) | (6) | (6) |
| Cortex, Decreased Number, Lymphocyte | | 2 (40%) | 2 (33%) | 3 (50%) |
| Cortex, Decreased Size | | 1 (20%) | 2 (33%) | 3 (50%) |
| Cortex, Extramedullary Hematopoiesis | | | 1 (17%) | · |
| Cortex, Increased Number, Apoptotic Cel | | 3 (60%) | 6 (100%) | 1 (17%) |
| Cortex, Increased Number, Lymphoblasts | | · | 2 (33%) | 2 (33%) |
| Cortex, Increased Number, Ting Body Macr | | 1 (20%) | 5 (83%) | |
| Decreased Cortex Medulla Ratio | | | 1 (17%) | |
| Medulla, Extramedullary Hematopoiesis | 1 (20%) | | | |
| Medulla, Increased Number, Lymphocyte | | | 3 (50%) | 5 (83%) |
| Medulla, Increased Size | | 1 (20%) | 1 (17%) | 2 (33%) |
| NTEGUMENTARY SYSTEM | | | | |
| None | | | | |
| MUSCULOSKELETAL SYSTEM | | | | |
| None | | | | _ |
| NERVOUS SYSTEM | | | | |
| None | | , | | |
| RESPIRATORY SYSTEM | | | | |
| Lung | (5) | (5) | (6) | (6) |
| Bronchus, Epithelium, Regeneration | . , | . , | 1 (17%) | 4 (67%) |
| Bronchus, Inflammation, Chronic Active | | | 5 (83%) | 4 (67%) |
| Trachea | (1) | (0) | (2) | (1) |

SPECIAL SENSES SYSTEM

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

Route: RESPIRATORY EXPOSURE WHOLE BODY

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Test Type: 18-33 DAYS

| BALB/C Mouse FEMALE | Air Control | DA 25-ppm | DA 50-ppm | DA 100-ppm |
|----------------------------|-------------|-----------|-----------|------------|
| SPECIAL SENSES SYSTEM None | | | | |
| URINARY SYSTEM | | | | |
| None | | | | |

** END OF REPORT **