REPORT NO:  CTL/P/4097

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

VOLUME IV OF IV

Approved for Issue:  G A Wickramaratne
Product Toxicologist

Date of Issue:  O 3 NOV 1994
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT

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INDIVIDUAL ANIMAL DATA SUPPLEMENT
VOLUME IV OF IV

Data Requirement - Guideline Ref. 83-4

Study Completion Date - 23 JUN 1995

Performing Laboratory - Zeneca Central Toxicology Laboratory
Alderley Park, Macclesfield, Cheshire, UK

Laboratory Project ID - Report No: CTL/P/4097
Study Nos: RR0580/F0
RR0580/F1

CTL/P/4097 - 1368
REPORT NO: CTL/P/4097

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

VOLUME IV OF IV

Approved for Issue: G A Wickramaratne
Product Toxicologist

Date of Issue: 27 JUN 1995
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25A

MICROSCOPIC PATHOLOGY CROSS REFERENCE - F1 GENERATION

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APPENDIX 25A

MICROSCOPIC PATHOLOGY CROSS REFERENCE - F1 GENERATION

REMOVAL REASON: INTERCURRENT

DOSE LEVEL: 0  ppm  SEX: FEMALE

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<tr>
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<td>N</td>
<td></td>
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<tr>
<td>MAMMARY GLAND</td>
<td>+</td>
<td>2</td>
</tr>
<tr>
<td>Diffuse hyperplasia</td>
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<td></td>
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<tr>
<td>NASAL CAVITY</td>
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<tr>
<td>Trauma (macroscopic observation)</td>
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<tr>
<td>OVARY</td>
<td>N</td>
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<tr>
<td>UTERUS</td>
<td>N</td>
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<tr>
<td>VAGINA</td>
<td>N</td>
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KEY:  NOT RECORDED  1 minimal
N N.A.D.  2 slight
O MISSING  3 moderate
+ MORPHOLOGY PRESENT  4 marked
X NO SEVERITY
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25A

MICROSCOPIC PATHOLOGY CROSS REFERENCE - F1 GENERATION

REMoval REASON: INTERCURRENT

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<td>KIDNEY</td>
<td>Intratubular microlithiasis</td>
<td>+ N +</td>
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<td></td>
<td>Diffuse hyperplasia</td>
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KEY:
- NOT RECORDED
- N N.A.D.
- O MISSING
- + MORPHOLOGY PRESENT
- X NO SEVERITY

MORPHOLOGY SEVERITY
- 1 minimal
- 2 slight
- 3 moderate
- 4 marked
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25A

MICROSCOPIC PATHOLOGY CROSS REFERENCE - F1 GENERATION

REMOVAL REASON: INTERCURRENT

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<tr>
<td>Tubular vacuolation</td>
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</tr>
<tr>
<td>Glomerular mineralisation</td>
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<tr>
<td>LIVER</td>
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<tr>
<td>Ovary</td>
<td>N N</td>
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<tr>
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<tr>
<td>Placental tissue in lumen</td>
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<td>Dystocia (diagnosis based on macroscopic observations)</td>
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<tr>
<td>Vagina</td>
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KEY: NOT RECORDED 1 minimal
N N.A.D. 2 slight
O MISSING 3 moderate
+ MORPHOLOGY PRESENT 4 marked
X NO SEVERITY
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25A

MICROSCOPIC PATHOLOGY CROSS REFERENCE - F1 GENERATION

REMOVAL REASON: TERMINAL

DOSE LEVEL: 0

SEX: MALE

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<tr>
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<td>Hepatitis</td>
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<tr>
<td>PROSTATE GLAND</td>
<td>N</td>
</tr>
<tr>
<td>Prostatitis</td>
<td>+</td>
</tr>
<tr>
<td>SEMINAL VESICLE</td>
<td>N</td>
</tr>
<tr>
<td>TESTIS</td>
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KEY:
- NOT RECORDED
- N.A.D.
- MISSING
- Morphology Present
- No Severity
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25A

MICROSCOPIC PATHOLOGY CROSS REFERENCE - F1 GENERATION

REMOVAL REASON: TERMINAL
DOSE LEVEL: 0  SEX: FEMALE

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<td>Intratubular microlithiasis</td>
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<td>Tubular basophilia</td>
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<td>Interstitial mononuclear cell infiltration</td>
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<td></td>
<td>Granulomatous reaction around microliths</td>
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<td>LIVER</td>
<td></td>
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<td>Hepatitis</td>
<td>N N N N + N N N N + N + N N N N N N N N</td>
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<tr>
<td></td>
<td>Extramedullary haemopoiesis</td>
<td></td>
</tr>
<tr>
<td>MAMMARY GLAND</td>
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<tr>
<td>OVARY</td>
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<td>UTERUS</td>
<td>Luminal dilatation</td>
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KEY:
- NOT RECORDED
- N N.A.D.
- O MISSING
- + MORPHOLOGY PRESENT
- X NO SEVERITY

MORPHOLOGY SEVERITY
- 1 minimal
- 2 slight
- 3 moderate
- 4 marked
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25A

MICROSCOPIC PATHOLOGY CROSS REFERENCE - F1 GENERATION

REMVAL REASON: TERMINAL

DOSE LEVEL: 100 ppm

SEX: MALE

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<tr>
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<td>+ : : :</td>
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KEY:
- NOT RECORDED
- N N.A.D.
- O MISSING
- + MORPHOLOGY PRESENT
- X NO SEVERITY

MORPHOLOGY SEVERITY

1 minimal
2 slight
3 moderate
4 marked
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25A
MICROSCOPIC PATHOLOGY CROSS REFERENCE - F1 GENERATION

REMOVAL REASON: TERMINAL
DOSE LEVEL: 100 ppm SEX: FEMALE

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<th>Organ</th>
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<td>MAMMARY GLAND</td>
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<tr>
<td>OVARY</td>
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<tr>
<td>UTERUS</td>
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<td>VAGINA</td>
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KEY:
- NOT RECORDED
- N N.A.D.
- O MISSING
- + MORPHOLOGY PRESENT
- X NO SEVERITY

MORPHOLOGY SEVERITY
1 minimal
2 slight
3 moderate
4 marked
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25A

MICROSCOPIC PATHOLOGY CROSS REFERENCE - F1 GENERATION

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<td>Mesenchymal tumour</td>
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<td>PROSTATE GLAND</td>
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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25A

MICROSCOPIC PATHOLOGY CROSS REFERENCE - F1 GENERATION

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<tr>
<th>REMOVAL REASON: TERMINAL</th>
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<tr>
<td>DOSE LEVEL: 300 ppm</td>
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<td>SEX: FEMALE</td>
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| CERVIX | .......................................................... | . . . . . . O |
| KIDNEY | Chronic progressive glomerulonephropathy | + + + + + + + + + + + + + + + + + + + + + + |
|        | Intratubular microlithiasis | 1 1 1 2 1 1 1 1 2 1 1 1 1 1 1 1 1 1 |
|        | Tubular basophilia | 1 |
|        | Granulomatous reaction around microliths | . . . 2 . . . 1 . . . |
| MAMMARY GLAND | ............................................ | . . . . N |
| OVARY | .................................................. | . . . . O |
| UTERUS | .................................................. | . . . . O |
| VAGINA | .................................................. | . . . . O |

KEY:

| NOT RECORDED | 1 minimal |
| N N.A.D. | 2 slight |
| O MISSING | 3 moderate |
| + MORPHOLOGY PRESENT | 4 marked |
| X NO SEVERITY | |
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25A

MICROSCOPIC PATHOLOGY CROSS REFERENCE - F1 GENERATION

REMOVAL REASON: TERMINAL

DOSE LEVEL: 1000 ppm

SEX: MALE

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<tr>
<td>Glomerulonephropathy</td>
<td>++ ++ + + + + + + + +</td>
</tr>
<tr>
<td>Intratubular microlithiasis</td>
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<td>Increase in nuclear pleomorphism</td>
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<td>Liver</td>
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<td>Prostate Gland</td>
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KEY:
- **N** OT RECORD = 1 minimal
- **N.A.D.** = 2 slight
- **MISSING** = 3 moderate
- **MORPHOLOGY PRESENT** = 4 marked
- **X** NO SEVERITY

TERMINAL IOSE LEVEL: 1000 ppm
SEX: MALE
**PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT**  
**INDIVIDUAL ANIMAL DATA SUPPLEMENT**  
**APPENDIX 25A**  
**MICROSCOPIC PATHOLOGY CROSS REFERENCE - F1 GENERATION**

**REMOVAL REASON:** TERMINAL  
**DOSE LEVEL:** 1000 ppm  
**SEX:** FEMALE

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**KEY:**  
- NOT RECORDED  
- N N.A.D.  
- O MISSING  
- + MORPHOLOGY PRESENT  
- X NO SEVERITY  
- 1 minimal  
- 2 slight  
- 3 moderate  
- 4 marked
APPENDIX 25B

PATHOLOGY - F1 GENERATION

Key:

NO = number
M = male
F = female
wks = weeks
EXAM = examined
NAD = no abnormality detected
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 1 SEX: M DOSE: 0 ppm ON STUDY: 238 days (34 wks) TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MACROPATHOLOGY

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (slight)

LIVER

Hepatitis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 2 SEX: M DOSE: 0 ppm ON STUDY: 235 days (34 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TIQUES WERE SUBMITTED

EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

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THE FOLLOWING TIQUES WERE MARKED NAD

KIDNEY ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

LIVER

Hepatitis: (minimal)

END OF ANIMAL

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - FI GENERATION

ANIMAL NO:  3  SEX: M  DOSE:  0  ppm ON STUDY:  236 days (34 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane: No live pups recorded on day 1 following mating for C litter.

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Pelvic dilatation: (right; slight)

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

TISSUE CHECK:

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THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)
Unilateral hydronephrosis: (slight)
Transitional epithelial hyperplasia: (minimal; focal; unilateral)
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 3 SEX: M DOSE: 0 ppm ON STUDY: 236 days (34 wks) TERMINAL

PATHOLOGY - F1 GENERATION

MICROPATHOLOGY

CONTINUATION - THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Pelvic urolithiasis: (minimal; unilateral)

LIVER
Hepatitis: (minimal)

----------------------------------------------------------END OF ANIMAL----------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 4  SEX: M  DOSE: 0 ppm
ON STUDY: 232 days (34 wks)  TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED
EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MACROPATHOLOGY

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD
TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Chronic progressive glomerulonephropathy : (slight)

LIVER
Hepatitis : (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO:  5  SEX:  M  DOSE:  0 ppm  ON STUDY:  228 days (33 wks)  TERMINAL

MACROPATHOLOGY
-------------

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY
-------------

TISSUE CHECK:  TOTAL  EXAMINED  NOT EXAM  MISSING  NAD

PROTOCOL REQUIRED:  2  2  0  0  1

NOT PROTOCOL (SUBMITTED):  5  1  4  0  0

(NOT SUBMITTED):  0  0  0  0  0

THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy : (minimal)

TESTIS

Unilateral tubular degeneration : (minimal ; focal)

END OF ANIMAL
PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 6 SEX: M DOSE: 0 ppm ON STUDY: 239 days (35 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

TISSUE CHECK: TOTAL EXAMINED NOT EXAM MISSING NAD

PROTOCOL REQUIRED: 2 2 0 0 0
NOT PROTOCOL (SUBMITTED): 5 1 4 0 1
(NOT SUBMITTED): 0 0 0 0 0

THE FOLLOWING TISSUES WERE MARKED NAD

TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)

Transitional epithelial hyperplasia: (minimal; focal; unilateral)

LIVER

Hepatitis: (minimal)

---------------------------------------------------------------------END OF ANIMAL---------------------------------------------------------------------
PERCHLORETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 7 SEX: M DOSE: 0 ppm ON STUDY: 238 days (34 wks) TERMINAL

KILLED BY FLUOTANE

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MACROPATHOLOGY

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (slight)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 8  SEX: M  DOSE: 0  ppm  ON STUDY: 239 days (35 wks)  TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

Tissue Check:

Total Examined Not Exam Missing NAD

Protocol Required: 2 2 0 0 1

Not Protocol (Submitted): 5 1 4 0 1

(NOT SUBMITTED): 0 0 0 0 0

THE FOLLOWING TISSUES WERE MARKED NAD

LIVER; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Chronic progressive glomerulonephropathy: (minimal)

END OF ANIMAL
PERCHLORETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PERCHLORETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

ANIMAL NO: 9 SEX: M DOSE: 0 ppm ON STUDY: 218 days (32 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED
EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD
TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE
KIDNEY
Chronic progressive glomerulonephropathy: (minimal)
LIVER
Hepatitis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 10  SEX: M  DOSE: 0 ppm  ON STUDY: 237 days (34 wks)  TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Chronic progressive glomerulonephropathy : (minimal)

LIVER
Hepatitis : (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 2.5B

ANIMAL NO: 11 SEX: M DOSE: 0 ppm ON STUDY: 217 days (31 wks) TERMINAL

PATHOLOGY - F1 GENERATION

MACRPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICRPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)

LIVER

Hepatitis: (minimal)

-----------------------------------------------------------------------------END OF ANIMAL-----------------------------------------------------------------------------
Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

Tissue Check: Total Examined Not Exam Missing NAD

- Protocol Required:
- Not Protocol (Submitted): 5 1 4 0 1
- (Not Submitted): 0 0 0 0 0

THE FOLLOWING TISSUES WERE MARKED NAD

TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
- Chronic progressive glomerulonephropathy: (slight)

LIVER
- Hepatitis: (slight)
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 13  SEX: M  DOSE: 0 ppm  ON STUDY: 218 days (32 wks)  TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TAIL; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

TAIL

Kinked

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

Tissue Check:

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THE FOLLOWING TISSUES WERE MARKED NAD

KIDNEY

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

LIVER

Hepatitis: (minimal)

TESTIS

Unilateral tubular degeneration: (minimal; focal)

-----------------------------END OF ANIMAL-----------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 14 SEX: M DOSE: 0 ppm ON STUDY: 217 days (31 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED
EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD
TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE
KIDNEY
Chronic progressive glomerulonephropathy: (minimal)
LIVER
Hepatitis: (slight)

-----------------------------------------------------------------------------------------END OF ANIMAL-----------------------------------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 15  SEX: M  DOSE: 0 ppm  ON STUDY: 230 days (33 wks)  TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

Macropathology

Micropathology

Tissue Check: Total Examined Not Exam Missing Nad

Protocol Required: 2 2 0 0 0

Not Protocol (Submitted): 5 1 4 0 1

(NOT Submitted): 0 0 0 0 0

The following tissues were marked Nad

Testis

The following microscopic observations were made

Kidney

Chronic progressive glomerulonephropathy: (slight)

Liver

Hepatitis: (minimal)

---------------------------------------------------------------END OF ANIMAL---------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 2.5B

ANIMAL NO: 16  SEX: M  DOSE: 0 ppb  ON STUDY: 236 days (34 wks)  TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

-----------

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED
-----------------------------
EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Pelvic dilatation : (right ; slight)

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

-----------

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy : (slight)
Transitional epithelial hyperplasia : (slight ; focal ; unilateral)
Bilateral hydromephrosis : (slight)
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

PATHOLOGY - F1 GENERATION
ON STUDY: 236 days (34 wks) TERMINAL

MICROPATHOLOGY

CONTINUATION - THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Pelvic urolithiasis: (slight; unilateral)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 17  SEX: M  DOSE: 0  ppm
ON STUDY: 229 days (33 wks)  TERMINAL

PATHELOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane; No live pups recorded at day 1 following mating for C litter.

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Pelvic dilatation: (slight)

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS; LIVER; SEMINAL VESICLE; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)

PROSTATE GLAND

Prostatitis: (minimal)

-------------------------------------------- END OF ANIMAL --------------------------------------------
PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 18 SEX: M DOSE: 0 ppm ON STUDY: 234 days (34 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane
THE FOLLOWING TISSUES WERE SUBMITTED
EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS
NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

TISSUE CHECK: TOTAL EXAMINED NOT EXAM MISSING NAD
PROTOCOL REQUIRED: 2 2 0 0 0
NOT PROTOCOL (SUBMITTED): 5 1 4 0 1
(NOT SUBMITTED): 0 0 0 0 0

THE FOLLOWING TISSUES WERE MARKED NAD
TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE
KIDNEY
Chronic progressive glomerulonephropathy: (minimal)
LIVER
Hepatitis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 19 SEX: M DOSE: 0 ppm ON STUDY: 239 days (35 wks) TERMINAL

PATHOLOGY - FL GENERATION

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

TISSUE CHECK: TOTAL EXAMINED NOT EXAM MISSING NAD

PROTOCOL REQUIRED: 2 2 0 0 0

NOT PROTOCOL (SUBMITTED): 5 1 4 0 1

(NOT SUBMITTED): 0 0 0 0

MISSING

THE FOLLOWING TISSUES WERE MARKED NAD

TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)

LIVER

Hepatitis: (minimal)

END OF ANIMAL-
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 20  SEX: M  DOSE: 0 ppm  ON STUDY: 241 days (35 wks)  TERMINAL

PATHOLOGY - FL GENERATION

Killed by Fluothane
THE FOLLOWING TISSUES WERE SUBMITTED
EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS
NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MACROPATHOLOGY

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD
TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE
KIDNEY
Chronic progressive glomerulonephropathy: (minimal)
LIVER
Hepatitis: (minimal)

-END OF ANIMAL-
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 21  SEX: M  DOSE: 0 ppm  ON STUDY: 240 days (35 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

TISSUE CHECK:  TOTAL  EXAMINED  NOT EXAM  MISSING  NAD

PROTOCOL REQUIRED:  2  2  0  0  0

NOT PROTOCOL (SUBMITTED):  5  1  4  0  1

(NOT SUBMITTED):  0  0  0  0  0

THE FOLLOWING TISSUES WERE MARKED NAD

TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (slight)

LIVER

Hepatitis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 22 SEX: M DOSE: 0 ppm ON STUDY: 230 days (33 wks) TERMINAL

MACROPATHOLOGY
----------
Killed by Fluothane; No live pups recorded at day 1 following mating for C litter (female also suspect infertile).

THE FOLLOWING TISSUES WERE SUBMITTED
----------
EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL
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MICROPATHOLOGY
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THE FOLLOWING TISSUES WERE MARKED NAD
----------
EPIDIDYMIS; SEMINAL VESICLE; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE
----------
KIDNEY
Chronic progressive glomerulonephropathy: (minimal)

LIVER
Hepatitis: (slight)

PROSTATE GLAND
Prostatitis: (minimal)

END OF ANIMAL
----------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 23  SEX: M  DOSE: 0 ppm  ON STUDY: 240 days (35 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; SKIN; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

SKIN
Hair loss: (slight) general.

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Chronic progressive glomerulonephropathy: (minimal)

LIVER
Hepatitis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 24 SEX: M DOSE: 0

PATHOLOGY - F1 GENERATION
ppm ON STUDY: 231 days (33 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane
THE FOLLOWING TISSUES WERE SUBMITTED
EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

TISSUE CHECK: TOTAL EXAMINED NOT EXAM MISSING NAD

PROTOCOL REQUIRED: 2 2 0 0 0

NOT PROTOCOL (SUBMITTED): 5 1 4 0 1

(NESTED) 2 0 0 0 1

THE FOLLOWING TISSUES WERE MARKED NAD

TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Chronic progressive glomerulonephropathy: (slight)

LIVER
Hepatitis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 25  SEX: F  DOSE: 0 ppm  ON STUDY: 250 days (36 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane; Failed to produce F2B litter.

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; Vagina

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

CERVIX
Distended: 12mm diameter.

UTERUS
Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

CERVIX: See vagina for gross abnormality.
LIVER: MAMMARY GLAND; OVARY

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Intratubular microlithiasis: (slight)
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 25  SEX: F  DOSE: 0 ppm  ON STUDY: 250 days (36 wks)  TERMINAL

PATHOLOGY - F1 GENERATION

MICROPATHOLOGY

CONTINUATION - THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Granulomatous reaction around microliths: (minimal)

UTERUS
Luminal dilatation: (slight; unilateral)
Involution, implantation site/s: (unilateral)

VAGINA
Luminal dilatation: (marked)

------------------------------------------------------------------------END OF ANIMAL------------------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 26  SEX: F  DOSE: 0  ppm  ON STUDY: 231 days (33 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

Tissue Check: TOTAL EXAMINED NOT EXAM MISSING NAD

Protocol Required: 2 2 0 0 1

Not Protocol (Submitted): 6 0 6 0 0

(Not Submitted): 0 0 0 0 0

THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis : (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 27 SEX: F DOSE: 0 ppm ON STUDY: 229 days (33 wks) TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED
-----------------------------------------------------------------------------------
CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE
-----------------------------------------------------------------------------------
UTERUS
Implantation site/s present
NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES
-----------------------------------------------------------------------------------

MACROPATHOLOGY

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD
-----------------------------------------------------------------------------------
LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE
-----------------------------------------------------------------------------------
KIDNEY
Intratubular microlithiasis: (moderate)
-----------------------------------------------------------------------------------

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 28 SEX: F DOSE: 0 ppm ON STUDY: 229 days (33 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

Tissue Check: Total Examined Not Exam Missing NAD

- PROTOCOL REQUIRED:
- NOT PROTOCOL (SUBMITTED):
- (NOT SUBMITTED):

THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 29 SEX: F DOSE: 0 ppm ON STUDY: 258 days (37 wks) TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis: (minimal)

LIVER

Extramedullary haemopoiesis: (minimal)

END OF ANIMAL
Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis: (slight)
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 31  SEX: F  DOSE: 0 ppm  ON STUDY: 225 days (33 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

The following tissues were submitted

- Cervix; Kidney; Liver; Mammary Gland; Ovary; Pituitary Gland; Uterus; Vagina

The following macroscopic observations were made

Uterus

Implantation site/s present

No abnormalities were seen in the remaining tissues

MICROPATHOLOGY

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The following tissues were marked NAD

Liver

The following microscopic observations were made

Kidney

Intratubular microlithiasis: (minimal)

--- END OF ANIMAL ---
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 32  SEX: F  DOSE: 0  ppm  ON STUDY: 230 days (33 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

TISSUE CHECK:

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 33 SEX: F DOSE: 0 ppm ON STUDY: 233 days (34 wks) INTERCURRENT

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane; Failed to produce F2A or F2B litter.

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; NASAL CAVITY; ORAL CAVITY; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

LIVER
Accentuated lobular pattern

NASAL CAVITY
Nares stained: (marked) red.
Traumatised: snout appears broken.

ORAL CAVITY
Teeth loose: both incisors on upper jaw.

UTERUS
Implantation site/s absent

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

CERVIX; LIVER; OVARY; UTERUS; VAGINA
PERCHLORoETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 33 SEX: F DOSE: 0 ppm ON STUDY: 233 days (34 wks) INTERCURRENT

PATHOLOGY - F1 GENERATION

MICROPAThOLOGY

=========================================

KIDNEY
- Chronic progressive glomerulonephropathy: (minimal; unilateral)
- Intratubular microlithiasis: (minimal)

MAMMARY GLAND
- Diffuse hyperplasia: (slight)

NASAL CAVITY
- Trauma (macroscopic observation)

FACTOR CONTRIBUTORY TO DEATH

- NASAL CAVITY: Trauma (macroscopic observation)

=========================================

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 34  SEX: F  DOSE: 0 ppm  ON STUDY: 227 days (33 wks)  TERMINAL

PATHOLOGY - F1 GENERATION

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED
CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; Vagina

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

MACROPATHOLOGY

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal; unilateral)
Intratubular microlithiasis: (slight)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 35  SEX: F  DOSE: 0 ppm  ON STUDY: 226 days (33 wks)  TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROSCOPY

Tissue Check

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The following tissues were marked NAD

LIVER

The following microscopic observations were made

KIDNEY

Intratubular microlithiasis: (slight)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 36 SEX: F DOSE: 0 ppm ON STUDY: 247 days (36 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)
Intratubular microlithiasis: (slight)

LIVER

Hepatitis: (minimal)

---------------------------------------------------------------END OF ANIMAL---------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 37  SEX: F  DOSE: 0 ppm  ON STUDY: 221 days (32 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

Tissue Check: Total Examined Not Exam Missing NAD

Protocol Required: 2 2 0 0 1

Not Protocol (Submitted): 6 0 6 0 0

(NOT SUBMITTED): 0 0 0 0 0

The following tissues were marked NAD

LIVER

The following microscopic observations were made

KIDNEY

Intratubular microlithiasis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 38 SEX: F DOSE: 0 ppm ON STUDY: 208 days (30 wks) TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

TISSUE CHECK: TOTAL EXAMINED NOT EXAM MISSING NAD

PROTOCOL REQUIRED: 2 2 0 0 0

NOT PROTOCOL (SUBMITTED): 6 0 6 0 0

NOT SUBMITTED): 0 0 0 0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy : (minimal ; unilateral)
Intratubular microlithiasis : (minimal)

LIVER

Hepatitis : (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 39  SEX: F  DOSE: 0  ppm  ON STUDY: 223 days (32 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

TISSUE CHECK:  TOTAL  EXAMINED  NOT EXAM  MISSING  NAD

PROTOCOL REQUIRED:  2  2  0  0  1

NOT PROTOCOL (SUBMITTED):  6  0  6  0  0

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis: (slight)

END OF ANIMAL

---END OF ANIMAL---
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO:  40  SEX: F  DOSE:  0 ppm  ON STUDY: 222 days (32 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

TISSUE CHECK:

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis : (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 41  SEX: F  DOSE: 0  ppm ON STUDY: 209 days (30 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS
Implantation site/s present
No abnormalities were seen in the remaining tissues

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Intratubular microlithiasis: (slight)

END OF ANIMAL

END OF OF ANIMAL
Perchloroethylene: Multigeneration Inhalation Study in the Rat

Individual Animal Data Supplement

Appendix 25B

Pathology - F1 Generation

Animal No: 42  Sex: F  Dose: 0 ppm  On Study: 225 days (33 wks)  Terminal

Macropathology

Killed by Fluothane

The following tissues were submitted

Cervix; kidney; liver; mammary gland; ovary; pituitary gland; uterus; vagina

The following macroscopic observations were made

Uterus

Implantation site/s present

No abnormalities were seen in the remaining tissues

Micropathology

Tissue check:

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The following tissues were marked NAD

Liver

The following microscopic observations were made

Kidney

- Chronic progressive glomerulonephropathy: (minimal; unilateral)
- Intratubular microlithiasis: (moderate)
- Granulomatous reaction around microliths: (moderate)

--------------------------------------------------------End of Animal--------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 43  SEX: F  DOSE: 0  ppm ON STUDY: 218 days (32 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

Tissue Check: TOTAL EXAMINED NOT EXAM MISSING NAD

Protocol Required: 2 2 0 0 1

Not Protocol (Submitted): 6 0 6 0 0

The following tissues were marked NAD

LIVER

The following microscopic observations were made

KIDNEY

Chronic progressive glomerulonephropathy: (minimal; unilateral)
Intratubular microlithiasis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 44 SEX: F DOSE: 0 ppm ON STUDY: 232 days (34 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Tubular basophilia: (minimal; multifocal)
Intratubular microlithiasis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 45  SEX: F  DOSE: 0 ppm  ON STUDY: 210 days (30 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

TISSUE CHECK: TOTAL EXAMINED NOT EXAM MISSING NAD

PROTOCOL REQUIRED: 2 2 0 0 1

NOT PROTOCOL (SUBMITTED): 6 0 6 0 0

( NOT SUBMITTED): 0 0 0 0 0

THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis: (minimal)

END OF ANIMAL.
Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis: (slight)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 47  SEX: F  DOSE: 0  ppm  ON STUDY: 254 days (37 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; TAIL; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

TAIL

Kinked

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis: (moderate)
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 48  SEX: F  DOSE: 0 ppm  ON STUDY: 219 days (32 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Interstitial mononuclear cell infiltration: (minimal; focal; unilateral)
Intratubular microlithiasis: (marked)

END OF ANIMAL
PERCHLORoETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 49 SEX: M DOSE: 100 ppm ON STUDY: 224 days (32 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

------------------------------------------------------------------------------------------------------------------

END OF ANIMAL------------------------------------------------------------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 50  SEX: M  DOSE: 100 ppm

ON STUDY: 238 days (34 wks)  TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

END OF ANIMAL
Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED
---------------------------------------------
EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE
---------------------------------------------

KIDNEY
Pelvic dilatation : (right ; moderate)

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES
---------------------------------------------

---------------------------------------------END OF ANIMAL---------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 52   SEX: M   DOSE: 100 ppm ON STUDY: 218 days (32 wks) TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY
Killed by Fluothane; No live pups recorded at day 1 following mating for a litter.

THE FOLLOWING TISSUES WERE SUBMITTED
EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD
EPIDIDYMIS; SEMINAL VESICLE; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
- Chronic progressive glomerulonephropathy: (minimal)

LIVER
- Hepatitis: (minimal)

PROSTATE GLAND
- Prostatitis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 53  SEX: M  DOSE: 100 ppm  ON STUDY: 236 days (34 wks)  TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 54  SEX: M  DOSE: 100  ppm  ON STUDY: 239 days (35 wks)  TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED
-----------------------------------------------
EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE
---------------------------------------------------------------
KIDNEY
Pelvic dilatation: (slight; right)

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

---------------------------------------------------------------END OF ANIMAL---------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 55  SEX: M  DOSE: 100 ppm  ON STUDY: 236 days (34 wks)  TERMINAL

MACROPATHOLOGY

-----------

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

-----------

END OF ANIMAL

-----------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO:  56  SEX: M  DOSE:  100 ppm  ON STUDY:  240 days (35 wks)  TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane; No live pups recorded at day 1 following mating for 1 litter.

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS; SEMINAL VESICLE; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

PROSTATE GLAND
Prostatitis: (minimal)

-------------------------------------------------------------------END OF ANIMAL-------------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 57  SEX: M  DOSE: 100

PATHOLOGY - F1 GENERATION

ON STUDY: 240 days (35 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Pelvic dilatation: (slight)

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

-------------------------------------------------------------------END OF ANIMAL-------------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 58  SEX: M  DOSE: 100 ppm  ON STUDY: 15 days (3 wks)  INTERCURRENT

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Found dead

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS ; KIDNEY ; LIVER ; LUNG ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

LUNG

Dark

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

END OF ANIMAL

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 59 SEX: M DOSE: 100 ppm ON STUDY: 238 days (34 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 60  SEX: M  DOSE: 100 ppm  ON STUDY: 235 days (34 wks)  TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

---END OF ANIMAL---
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 61 SEX: M DOSE: 100 ppm ON STUDY: 240 days (35 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 62  SEX: M  DOSE: 100 ppm  ON STUDY: 218 days (32 wks)  TERMINAL

Killed by Fluothene

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 63  SEX: M  DOSE: 100 ppm  ON STUDY: 239 days (35 wks)  TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane; No live pups recorded on day 1 following mating for a litter.

THE FOLLOWING TISSUES WERE SUBMITTED

- EPIDIDYMIS
- KIDNEY
- LIVER
- PITUITARY GLAND
- PROSTATE GLAND
- SEMINAL VESICLE
- TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICRPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

- EPIDIDYMIS
- PROSTATE GLAND
- SEMINAL VESICLE
- TESTIS

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 2SB

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MACROPATHOLOGY

Killed by Fluothane; No live pups recorded at day 1 following mating for a litter.

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

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MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

---

END OF ANIMAL---
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 65 SEX: M DOSE: 100 ppm ON STUDY: 35 days (5 wks) INTERCURRENT

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; EYE; KIDNEY; LIVER; NASAL CAVITY; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TAIL; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

EYE
Eyelid/s stained: (right; moderate) red.

NASAL CAVITY
Nares stained: (slight) red.
Snout twisted: to left side, possibly broken.

TAIL
Kinked: (slight) 20mm from tip.

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

------------------------------------------------------------------END OF ANIMAL------------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 66  SEX: M  DOSE: 100 ppm  ON STUDY: 240 days (35 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

END OF ANIMAL

END OF ANIMAL
ANIMAL NO: 67  SEX: M  DOSE: 100 ppm  ON STUDY: 239 days (35 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO:  68  SEX:  M  DOSE:  100  ppm  ON STUDY:  235 days (34 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

END OF ANIMAL
**PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT**

**INDIVIDUAL ANIMAL DATA SUPPLEMENT**

**APPENDIX 25B**

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**TERMINAL**

**MACROPATHOLOGY**

Killed by Fluothane

**THE FOLLOWING TISSUES WERE SUBMITTED**

- EPIDIDYMIS
- KIDNEY
- LIVER
- PITUITARY GLAND
- PROSTATE GLAND
- SEMINAL VESICLE
- TESTIS

**NO ABNORMALITIES WERE SEEN IN THE ANIMAL**

---END OF ANIMAL---
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 70 SEX: M DOSE: 100 ppm ON STUDY: 241 days (35 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

END OF ANIMAL
PERCHLOROETHYlene: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 71 SEX: M DOSE: 100 ppm ON STUDY: 218 days (32 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 2SB

ANIMAL NO: 72 SEX: M DOSE: 100 ppm ON STUDY: 239 days (35 wks) TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

------------------------------------------END OF ANIMAL------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 73  SEX: F  DOSE: 100 ppm  ON STUDY: 228 days (33 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 74  SEX: F  DOSE: 100 ppm  PATHOLOGY - F1 GENERATION ON STUDY: 230 days (33 wks) TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

__________________________________________END OF ANIMAL__________________________________________
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

PATHOLOGY - FI GENERATION

ANIMAL NO: 75  SEX: F  DOSE: 100 ppm  ON STUDY: 230 days (33 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

END OF ANIMAL----------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 76  SEX: F  DOSE: 100

PATHOLOGY - F1 GENERATION
ON STUDY: 229 days (33 wks)  TERMINAL

MACRCPATHOLOGY

------------------------

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

------------------------END OF ANIMAL------------------------
Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 78 SEX: F DOSE: 100 ppm ON STUDY: 230 days (33 wks) TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED
CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 79  SEX: F  DOSE: 100 ppm  ON STUDY: 36 days (6 wks)  INTERCURRENT

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; EYE; KIDNEY; LIVER; MAMMARY GLAND; NASAL CAVITY; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

EYE

Eyelid/s stained: (moderate; right; left; minimal) red.

NASAL CAVITY

Nares stained: (slight) red.

Traumatised: snout appears broken.

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

----------------------------------- END OF ANIMAL -----------------------------------
Killed by Fluothane; Failed to produce F2A litter.

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s absent

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

THE FOLLOWING TISSUES WERE MARKED NAD

CERVIX; MAMMARY GLAND; OVARY; UTERUS; VAGINA

--- END OF ANIMAL ---
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 81 SEX: F DOSE: 100 ppm ON STUDY: 229 days (33 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Pelvic dilatation: (right; slight)
UTERUS
Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

END OF ANIMAL

-------------------------------------------------------END OF ANIMAL---------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 82 SEX: F DOSE: 100 ppm ON STUDY: 226 days (33 wks) TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 83 SEX: F DOSE: 100 ppm ON STUDY: 228 days (33 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

OVARY

Cystic bursa/e (left) with red fluid.

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 84 SEX: F DOSE: 100 ppm ON STUDY: 225 days (33 wks) TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

------------------------------------------------------------------END OF ANIMAL------------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 85  SEX: F  DOSE: 100 ppm  ON STUDY: 226 days (33 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; TAIL; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

TAIL

Traumatised: Tip missing.

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 86 SEX: F DOSE: 100 ppm ON STUDY: 210 days (30 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

END OF ANIMAL
PERCHLORETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 87 SEX: F DOSE: 100 ppm ON STUDY: 229 days (33 wks) TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED
CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Pelvic dilatation: (right: slight)

UTERUS
Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 88 SEX: F DOSE: 100 ppm ON STUDY: 217 days (31 wks) TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

--END OF ANIMAL--
PERCHLORETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

PATHOLOGY - F1 GENERATION
ANIMAL NO: 89 SEX: F DOSE: 100 ppm ON STUDY: 251 days (36 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED
CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE
UTERUS
Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

---------------------------------------------------------------------END OF ANIMAL---------------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 90  SEX: F  DOSE: 100 ppm ON STUDY: 228 days (33 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

---------------------------------------------------------------------END OF ANIMAL---------------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B
PATHOLOGY - F1 GENERATION
ANIMAL NO: 91  SEX: F  DOSE: 100 ppm  ON STUDY: 230 days (33 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED
CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS
Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

-------------------------------------------------------------------END OF ANIMAL-------------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 92  SEX: F  DOSE: 100 ppm  ON STUDY: 251 days (36 wks)  TERMINAL

PATHOLOGY - F1 GENERATION
Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED
CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

-----------------------------------------------END OF ANIMAL-----------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 93 SEX: F DOSE: 100 ppm ON STUDY: 233 days (34 wks) TERMINAL

PATHOLOGY - F1 GENERATION

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

---------------------------------------------------------------END OF ANIMAL---------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 2SB

ANIMAL NO: 94 SEX: F DOSE: 100 ppm ON STUDY: 252 days (36 wks) TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

Uterus

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

-----------------------------------------------------------END OF ANIMAL-----------------------------------------------------------
PERCHLORODETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 95  SEX: F  DOSE: 100 ppm  ON STUDY: 249 days (36 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

--------------------------------------------------------------- END OF ANIMAL ---------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 96  SEX: F  DOSE: 100 ppm  ON STUDY: 232 days (34 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

-----------------------------------------------------------------------------------------------------------------

END OF ANIMAL

-----------------------------------------------------------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 97 SEX: M DOSE: 300 ppm ON STUDY: 216 days (31 wks) TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane; No live pups recorded at day 1 following mating for B litter.

THE FOLLOWING TI SSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; SUBCUTANEOUS TISSUE; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

SUBCUTANEOUS TISSUE

Mass 1: 8x8x4mm, firm, cream, situated in right anterior ventral thorax.

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS; LIVER; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 98  SEX: M  DOSE: 300 ppm  ON STUDY: 232 days (34 wks)  TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Cyst/s: (right) one, caudal pole, 6mm diameter.

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MACROPATHOLOGY

MICROPATHOLOGY

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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY: Cyst described grossly not visible.

Chronic progressive glomerulonephropathy: (minimal)

LIVER

Hepatitis: (minimal)

---END OF ANIMAL---
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 99 SEX: M DOSE: 300 ppm ON STUDY: 216 days (31 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Mass 1 : (left) on capsular surface, 10x7x7mm, cream and soft.

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

Tissue Check:

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy : (minimal)

Mesenchymal tumour : (NEOPLASTIC ; MALIGNANT ; PRIMARY)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 100 SEX: M DOSE: 300 ppm ON STUDY: 234 days (34 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Pelvic dilatation: (right; moderate)

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (slight)
Unilateral hydronephrosis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 101  SEX: M  DOSE: 300 ppm  ON STUDY: 237 days (34 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

Tissue Check: Total Examined Not Exam Missing NAD

Protocol Required: 0 0 0 0 0

Not Protocol (Submitted): 7 2 5 0 0

(NOT SUBMITTED): 0 0 0 0 0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)

LIVER

Hepatitis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 102  SEX: M  DOSE: 300 ppm  ON STUDY: 239 days (35 wks)  TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MACROPATHOLOGY

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 103  SEX: M  DOSE: 300 ppm  ON STUDY: 238 days (34 wks)  TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

TISSUE CHECK:  TOTAL  EXAMINED  NOT EXAM  MISSING  NAD

PROTOCOL REQUIRED:  0  0  0  0  0

NOT PROTOCOL (SUBMITTED):  7  2  5  0  1

(NOT SUBMITTED):  0  0  0  0  0

THE FOLLOWING TISSUES WERE MARKED NAD

KIDNEY

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

LIVER

Hepatitis: (minimal)

END OF ANIMAL
PERCHLORETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 104 SEX: M DOSE: 300 ppm ON STUDY: 233 days (34 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

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<th>TISSUE CHECK</th>
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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)

LIVER

Hepatitis: (slight)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 105 SEX: M DOSE: 300 ppm ON STUDY: 217 days (31 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

TISSUE CHECK: TOTAL EXAMINED NOT EXAM MISSING NAD

- PROTOCOL REQUIRED: 0 0 0 0 0
- NOT PROTOCOL (SUBMITTED): 7 2 5 0 0
- (NOT SUBMITTED): 0 0 0 0 0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
- Chronic progressive glomerulonephropathy; (minimal)

LIVER
- Hepatitis; (minimal)

----------------------------------------------------------------END OF ANIMAL---------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 106  SEX: M  DOSE: 300 ppm  ON STUDY: 240 days (35 wks)  TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Pelvic dilatation: (right; minimal)

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 107  SEX: M  DOSE: 300  ppm  PATHOLOGY - F1 GENERATION
ON STUDY: 240 days (35 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

Tissue Check:  Total  Examed  Not Exam  Missing  NAD

Protocol Required:  0  0  0  0  0
Not Protocol (Submitted):  0  0  0  0  0
(Not Submitted):  0  0  0  0  0

THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (slight)

END OF ANIMAL
PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 108 SEX: M DOSE: 300 ppm ON STUDY: 240 days (35 wks) TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane; No live pups recorded at day 1 following mating for B litter (female also suspect infertile).

THE FOLLOWING TISSUES WERE SUBMITTED

EPIIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

THE FOLLOWING TISSUES WERE MARKED NA

EPIIDIDYMIS; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)

LIVER

Hepatitis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 109 SEX: M DOSE: 300 ppm ON STUDY: 238 days (34 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Chronic progressive glomerulonephropathy: (minimal)

LIVER
Hepatitis: (minimal)

END OF ANIMAL
PERCHLORoETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 110  SEX: M  DOSE: 300 ppm  ON STUDY: 219 days (32 wks)  TERMINAL

MACROPATHOLOGY

________________________
Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

-----------------------------
EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

________________________
TISSUE CHECK:          TOTAL  EXAMINED  NOT EXAM  MISSING  NAD

PROTOCOL REQUIRED:      0   0   0   0   0

NOT PROTOCOL (SUBMITTED): 7   2   5   0   1
( NOT SUBMITTED )

THE FOLLOWING TISSUES WERE MARKED NAD

-----------------------------
LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

-----------------------------
KIDNEY

Chronic progressive glomerulonephropathy: (minimal)

________________________________________________________________________-END OF ANIMAL-
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 111  SEX: M  DOSE: 300 ppm  ON STUDY: 240 days (35 wks) TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

Tissue Check:  TOTAL  EXAMINED  NOT EXAM  MISSING  NAD

PROTOCOL REQUIRED:  0  0  0  0  0

NOT PROTOCOL (SUBMITTED):  7  2  5  0  0

( NOT SUBMITTED):  0  0  0  0  0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy ; (minimal)

LIVER

Hepatitis ; (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 112  SEX: M  DOSE: 300 ppm  ON STUDY: 239 days (35 wks)  TERMINAL

MACROPATHOLOGY
-----------------
Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED
------------------------------------------
EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL
-----------------

MICROPATHOLOGY
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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE
------------------------------------------
KIDNEY
Chronic progressive glomerulonephropathy : (minimal)

LIVER
Hepatitis : (minimal)

---------------------------------------------------------- END OF ANIMAL----------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 113  SEX: M  DOSE: 300 ppm  ON STUDY: 241 days (35 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane; No live pups recorded at day 1 following mating for B litter.

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)

LIVER

Hepatitis: (minimal)

--------------------------------------------------------------------------------END OF ANIMAL--------------------------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 114  SEX: M  DOSE: 300 ppm  ON STUDY: 218 days (32 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

- EPIDIDYMIS
- KIDNEY
- LIVER
- PITUITARY GLAND
- PROSTATE GLAND
- SEMINAL VESICLE
- TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

- LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

- KIDNEY
  - Chronic progressive glomerulonephropathy: (minimal)

---END OF ANIMAL---
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 115  SEX: M  DOSE: 300 ppm  ON STUDY: 218 days (32 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Pelvic dilatation: (slight)

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

TISSUE CHECK: TOTAL EXAMINED NOT EXAM MISSING NAD

PROTOCOL REQUIRED: 0 0 0 0 0

NOT PROTOCOL (SUBMITTED): 7 2 5 0 1

( NOT SUBMITTED): 0 0 0 0 0

THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 2SB

ANIMAL NO: 116  SEX: M  DOSE: 300 ppm  ON STUDY: 236 days (34 wks)  TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy ; (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO:  117  SEX: M  DOSE:  300 ppm  ON STUDY:  239 days (35 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

DIAPHRAGM; EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

DIAPHRAGM

Hernia

LIVER

Lobe/s herniated: left median lobe to diaphragm.

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

KIDNEY

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

LIVER

Hepatitis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 118  SEX: M  DOSE: 300 ppm
ON STUDY: 241 days (35 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TAIL; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

LIVER
Mass 1: left median lobe, diaphragmatic surface, 6x6x6mm.

TAIL
Dry sore/s: several, near base, 2mm diameter.

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

TISSUE CHECK:

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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Chronic progressive glomerulonephropathy: (minimal)

LIVER
Hepatitis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 119 SEX: M DOSE: 300 ppm ON STUDY: 235 days (34 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT  
INDIVIDUAL ANIMAL DATA SUPPLEMENT  
APPENDIX 25B  

ANIMAL NO: 120  SEX: M  DOSE: 300  ppm  ON STUDY: 241 days (35 wks)  TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TAIL; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

TAIL

Dry sore/s: at base.

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)

Unilateral hydronephrosis: (slight)

LIVER

Hepatitis: (minimal)

--- END OF ANIMAL ---
PERCHLORETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - FL GENERATION

ANIMAL NO: 121  SEX: F  DOSE: 300  ppm  ON STUDY: 231 days (33 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVAR ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Tubular basophilia : (minimal ; focal)
Intratubular microlithiasis : (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 122 SEX: F DOSE: 300 ppm ON STUDY: 253 days (37 wks) INTERCURRENT

Killed by Fluothane; Failed to produce F2B litter.

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Distended: x3.

Implantation site/s absent

Contents abnormal: large amount of brown fluid, up to 17mls.

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

<table>
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<th>TISSUE CHECK</th>
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THE FOLLOWING TISSUES WERE MARKED NAD

OVARY

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

CERVIX: Not identifiable.
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 122  SEX: F  DOSE: 300 ppm  ON STUDY: 253 days (37 wks)  INTERCURRENT

MICROPATHOLOGY

CONTINUATION - THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Intratubular microlithiasis: (slight)

MAMMARY GLAND
Diffuse hyperplasia: (slight)

UTERUS
Endometritis: (marked)
Luminal dilatation: (marked)

VAGINA: Not identifiable.

FACTOR CONTRIBUTORY TO DEATH

UTERUS: Endometritis

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 123  SEX: F  DOSE: 300  ON STUDY: 226 days (33 wks)  INTERCURRENT

MACROPATHOLOGY

Killed by Fluothane; Failed to produce F2B litter - killed parturition.

THE FOLLOWING TISSUES WERE SUBMITTED

KIDNEY; LIVER; MAMMARY GLAND; PITUITARY GLAND; UTERUS

THE FOLLOWING TISSUES WERE MISSING

CERVIX: (lost)
OVARY: (lost)
VAGINA: (lost)

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS: (lost) left 5, 2 dead 3 alive, right 4, 2 dead 2 alive. .

Foetus/es present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

<table>
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THE FOLLOWING TISSUES WERE MISSING

CERVIX: (lost)
OVARY: (lost)
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

<table>
<thead>
<tr>
<th>ANIMAL NO.</th>
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<th>INTERCURRENT</th>
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<tr>
<td>123</td>
<td>F</td>
<td>300</td>
<td>226 days (33 wks)</td>
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**PATHOLOGY - F1 GENERATION**

**MICROPATHOLOGY**

CONTINUATION - THE FOLLOWING TISSUES WERE MISSING

<table>
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<tr>
<th>TISSUE</th>
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<td>VAGINA : (lost)</td>
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THE FOLLOWING TISSUES WERE MARKED NAD

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<th>TISSUE</th>
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<td>KIDNEY ; MAMMARY GLAND</td>
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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

<table>
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<th>TISSUE</th>
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<td>UTERUS : (lost)</td>
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Dystocia (diagnosis based on macroscopic observations)

FACTOR CONTRIBUTORY TO DEATH

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<td>UTERUS : Dystocia (diagnosis based on macroscopic observations)</td>
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END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 124  SEX: F  DOSE: 300 ppm

PATHOLOGY - F1 GENERATION ON STUDY: 228 days (33 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

TISSUE CHECK: TOTAL EXAMINED NOT EXAM MISSING NAD

PROTOCOL REQUIRED: 0 0 0 0 0

NOT PROTOCOL (SUBMITTED): 8 1 7 0 0

(Not Submitted):

0 0 0 0 0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (Minimal)

Intratubular microlithiasis: (Minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 125 SEX: F DOSE: 300 ppm ON STUDY: 231 days (33 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; TAIL; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

TAIL

Kinked

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis: (minimal)
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 126 SEX: F DOSE: 300 ppm ON STUDY: 230 days (33 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

Tissue Check: Total Examined Not Exam Missing NAD

Protocol Required: 0 0 0 0 0

Not Protocol (Submitted): 8 1 7 0 0

(NOT SUBMITTED): 0 0 0 0 0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis: (slight)

Granulomatous reaction around microliths: (slight)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 127  SEX: F  DOSE: 300  ppm  ON STUDY: 230 days (33 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

TISSUE CHECK:

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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 128  SEX: F  DOSE: 300 ppm  ON STUDY: 232 days (34 wks)  TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MACROPATHOLOGY

---------------------------------------------------------------

MICROPATHOLOGY

---------------------------------------------------------------

TISSUE CHECK:

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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal; unilateral)
Intratubular microlithiasis: (minimal)

END OF ANIMAL
PERCHLORoETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - FL GENERATION

ANIMAL NO: 129  SEX: F  DOSE: 300 ppm  ON STUDY: 226 days (33 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

TISSUE CHECK:

PROTOCOL REQUIRED:

TOTAL EXAMINED NOT EXAM MISSING NAD

0 0 0 0 0

NOT PROTOCOL (SUBMITTED):

8 1 7 0 0

( NOT SUBMITTED):

0 0 0 0 0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 130 SEX: F DOSE: 300 ppm
ON STUDY: 225 days (33 wks) TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED
CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE
UTERUS
Implantation site/s present
NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

<table>
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<th>TISSUE CHECK</th>
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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE
KIDNEY
Chronic progressive glomerulonephropathy: (minimal ; unilateral)
Intratubular microlithiasis: (s light)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 131 SEX: F DOSE: 300 ppm ON STUDY: 257 days (37 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane; Failed to produce F2B litter.

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

TISSUE CHECK:

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Reproductive organs sent to teratology.

THE FOLLOWING TISSUES WERE MISSING

CERVIX: (stored)
OVARY: (stored)
UTERUS: (stored)
VAGINA: (stored)

THE FOLLOWING TISSUES WERE MARKED NAD
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 131  SEX: F  DOSE: 300 ppm
ON STUDY: 257 days (37 wks)  TERMINAL

PATHOLOGY - FI GENERATION

MAMMARY GLAND

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis: (minimal; unilateral)

MICROPATHOLOGY

-----------------------END OF ANIMAL-----------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 132 SEX: F DOSE: 300 PATHOLOGY - F1 GENERATION
ON STUDY: 209 days (30 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

TISSUE CHECK: TOTAL EXAMINED NOT EXAM MISSING NAD

PROTOCOL REQUIRED: 0 0 0 0 0

NOT PROTOCOL (SUBMITTED): 8 1 7 0 0

(NOT SUBMITTED): 0 0 0 0 0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis : (slight)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 133 SEX: F DOSE: 300 ppm
ON STUDY: 210 days (30 wks) TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED
CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE
UTEUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MACROPATHOLOGY

MICROPATHOLOGY

TISSUE CHECK: TOTAL EXAMINED NOT EXAM MISSING NAD

PROTOCOL REQUIRED: 0 0 0 0 0
NOT PROTOCOL (SUBMITTED): 8 1 7 0 0
(NOT SUBMITTED): 0 0 0 0 0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE
KIDNEY

Intratubular microlithiasis: (slight)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 134  SEX: F  DOSE: 300 ppm  ON STUDY: 207 days (30 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

TISSUE CHECK:

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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis : (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO:  135  SEX:  F  DOSE:  300  ppm  ON STUDY:  227 days (33 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

<table>
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<th>TISSUE CHECK</th>
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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal; unilateral)
Intratubular microlithiasis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 136 SEX: F DOSE: 300 ppm ON STUDY: 230 days (33 wks) TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

Tissue Check: Total Examined Not Exam Missing NAD

Protocol Required: 0 0 0 0 0

Not Protocol (Submitted): 8 1 7 0 0

(NOT Submitted): 0 0 0 0 0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal; unilateral)

Intratubular microlithiasis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 137 SEX: F DOSE: 300 ppm
ON STUDY: 230 days (33 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED
------------------------------------------
CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS
Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis : (slight)
Granulomatous reaction around microliths : (minimal)

------------------------------------------END OF ANIMAL------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 138 SEX: F DOSE: 300 ppm ON STUDY: 252 days (36 wks) TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY


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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis : (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 139 SEX: F DOSE: 300 ppm ON STUDY: 231 days (33 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; TAIL; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

TAIL

Kinked

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis: (minimal)

END OF ANIMAL
Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

- CERVIX
- KIDNEY
- LIVER
- MAMMARY GLAND
- OVARY
- PITUITARY GLAND
- UTERUS
- VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

---

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis: (minimal)

---

END OF ANIMAL
PERCHLORDETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 141 SEX: F DOSE: 300 ppm ON STUDY: 126 days (18 wks) INTRACURRENT

PATHOLOGY - F1 GENERATION

Killed by Fluothane; Failed to produce F2A litter - killed parturition.

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; LUNG; MAMMARY GLAND; OVARY; PITUITARY GLAND; URINARY BLADDER; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Pal
LIVER
Accentuated lobular pattern
Pal
LUNG
Red area/s: all lobes.
URINARY BLADDER
Distended: x3.
UTERUS
Foetus/es present: left 4 alive 1 dead this pup appeared to be stuck in uterus/cervix, left 6 alive 1 dead.
VAGINA
Distended: (slight)

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 141  SEX: F  DOSE: 300 ppm  ON STUDY: 126 days (18 wks)  INTERCURRENT

PATHOLOGY - F1 GENERATION

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

CERVIX; MAMMARY GLAND; OVARY

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Intratubular microlithiasis: (minimal)

UTERUS
Placental tissue in lumen
Dystocia (diagnosis based on macroscopic observations)

VAGINA: Not identifiable.

FACTOR CONTRIBUTORY TO DEATH

UTERUS: Dystocia (diagnosis based on macroscopic observations)

---------------------------------------------------------------------END OF ANIMAL---------------------------------------------------------------------
PERCHLORETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 142 SEX: F DOSE: 300 ppm ON STUDY: 230 days (33 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy : (minimal ; unilateral)
Intratubular microlithiasis : (minimal)

END OF ANIMAL
Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANI\MAL NO: 144 SEX: F DOSE: 300 ppm ON STUDY: 223 days (32 wks) TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MACROPATHOLOGY

MICROPATHOLOGY

TISSUE CHECK:  TOTAL  EXAMINED  NOT EXAM  MISSING  NAD

PROTOCOL REQUIRED:  0  0  0  0  0

NOT PROTOCOL (SUBMITTED):  8  1  7  0  0

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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 145 SEX: M DOSE: 1000 ppm ON STUDY: 235 days (34 wks) TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)

Increase in nuclear pleomorphism: (minimal)

-------------------------------------------------------END OF ANIMAL---------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 146  SEX: M  DOSE: 1000 ppm  ON STUDY: 213 days (31 wks)  TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)
Increase in nuclear pleomorphism: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

PATHOLOGY - F1 GENERATION
ANIMAL NO: 147 SEX: M DOSE: 1000 ppm ON STUDY: 217 days (31 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED
EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD
TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

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<td>LIVER</td>
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END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 148  SEX: M  DOSE: 1000 ppm  ON STUDY: 237 days (34 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

- EPIDIDYMIS
- KIDNEY
- LIVER
- PITUITARY GLAND
- PROSTATE GLAND
- SEMINAL VESICLE
- TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

- LIVER
- TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

- Chronic progressive glomerulonephropathy: (slight)
- Increase in nuclear pleomorphism: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 149 SEX: M DOSE: 1000 ppm ON STUDY: 217 days (31 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane; No live pups recorded at day 1 following mating for C litter.

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

LIVER

Enlarged: (slight)

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS; LIVER; SEMINAL VESICLE; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (slight)
Increase in nuclear pleomorphism: (minimal)
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 149  SEX: M  DOSE: 1000 ppm  ON STUDY: 217 days (31 wks)  TERMINAL

MICROPATHOLOGY

CONTINUATION - THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

PROSTATE GLAND

Prostatitis: (minimal)

END OF ANIMAL
PERCHLORDETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO.: 150  SEX: M  DOSE: 1000  ppm  ON STUDY: 239 days (35 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

- EPIDIDYMIS
- KIDNEY
- LIVER
- PITUITARY GLAND
- PROSTATE GLAND
- SEMINAL VESICLE
- TAIL
- TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

- TAIL
  - Kinked: near tip.

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

- LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

- KIDNEY
  - Chronic progressive glomerulonephropathy: (minimal; unilateral)
  - Increase in nuclear pleomorphism: (minimal)
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 150  SEX: M  DOSE: 1000 ppm  ON STUDY: 239 days (35 wks)  TERMINAL

MICROPATHOLOGY

CONTINUATION - THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

TESTIS

Unilateral tubular degeneration: (slight; focal) area at pole of one testis.

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 151  SEX: M  DOSE: 1000 ppm  ON STUDY: 215 days (31 wks)  TERMINAL

MACROPATHOLOGY
---------------------------------
Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED
----------------------------------------
EPIDIDYMS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TAIL; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE
----------------------------------------
TAIL  Kinked

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES
---------------------------------

MICROPATHOLOGY
------------------

TISSUE CHECK:
PROTOCOL REQUIRED:
TOTAL EXAMINED NOT EXAM MISSING NAD
2 2 0 0 1
NOT PROTOCOL (SUBMITTED):
(NOT SUBMITTED):
6 2 4 0 2

THE FOLLOWING TISSUES WERE MARKED NAD
------------------
EPIDIDYMS; LIVER; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE
------------------
KIDNEY
Chronic progressive glomerulonephropathy: (slight)
Increase in nuclear pleomorphism: (minimal)

END OF ANIMAL---------------------------------------------
Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)
Increase in nuclear pleomorphism: (minimal)
Killed by Fluothane; No live pups recorded at day 1 following mating for B or C litter.

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Cyst/s: (right) 2mm diameter.

SEMINAL VESICLE
Enlarged: (left) x2.

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY: Cyst described grossly not visible.
Chronic progressive glomerulonephropathy: (minimal)
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 153  SEX: M  DOSE: 1000 ppm  ON STUDY: 239 days (35 wks)  TERMINAL

MICROPATHOLOGY

CONTINUATION - THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY: Cyst described grossly not visible.
Increase in nuclear pleomorphism: (minimal)

LIVER
Hepatitis: (minimal)

PROSTATE GLAND
Prostatitis: (minimal)

SEMINAL VESICLE
Vesiculitis: (slight)
Luminal dilatation: (marked)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 154 SEX: M DOSE: 1000 ppm ON STUDY: 239 days (35 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane; No live pups recorded at day 1 following mating for C litter (female mating at A litter also suspect infertile).

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS; LIVER; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
  Chronic progressive glomerulonephropathy: (minimal)
  Increase in nuclear pleomorphism: (minimal)

-----------------------------------END OF ANIMAL-----------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 2SB

PATHOLOGY - F1 GENERATION
ANIMAL NO: 155 SEX: M DOSE: 1000 ppm ON STUDY: 238 days (34 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane; No live pups recorded on day 1 following mating for A or C litter (female mating for B litter also suspect infertile).

THE FOLLOWING TISSUES WERE SUBMITTED
EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD
EPIDIDYMIS; LIVER; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Chronic progressive glomerulonephropathy: (minimal)
Increase in nuclear pleomorphism: (minimal)

PROSTATE GLAND
Prostatitis: (minimal)

SEMINAL VESICLE
Vesiculitis: (slight)
Luminal dilatation: (marked)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 156  SEX: M  DOSE: 1000 ppm  ON STUDY: 240 days (35 wks)  TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TAIL ; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Cyst/s : (left) 2mm diameter, capsular surface.

TAIL

Kinked : near tip.

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

Tissue Check:

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY: Cyst described grossly not visible.

Chronic progressive glomerulonephropathy : (minimal)
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 156 SEX: M DOSE: 1000 ppm ON STUDY: 240 days (35 wks) TERMINAL

MICROPATHOLOGY

CONTINUATION - THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY: Cyst described grossly not visible.
Intratubular microlithiasis: (minimal; unilateral)
Increase in nuclear pleomorphism: (minimal)

END OF ANIMAL
PERCHLORETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 157 SEX: M DOSE: 1000 ppm

ANIMAL NO: 157 SEX: M DOSE: 1000 ppm

ANIMAL NO: 157 SEX: M DOSE: 1000 ppm

ANIMAL NO: 157 SEX: M DOSE: 1000 ppm

ANIMAL NO: 157 SEX: M DOSE: 1000 ppm

ANIMAL NO: 157 SEX: M DOSE: 1000 ppm

ANIMAL NO: 157 SEX: M DOSE: 1000 ppm

ANIMAL NO: 157 SEX: M DOSE: 1000 ppm

ANIMAL NO: 157 SEX: M DOSE: 1000 ppm

ANIMAL NO: 157 SEX: M DOSE: 1000 ppm

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED
EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MACROPATHOLOGY

MICROPATHOLOGY

TISSUE CHECK:

TOTAL EXAMINED NOT EXAM MISSING NAD

PROTOCOL REQUIRED: 2 2 0 0 0

NOT PROTOCOL (SUBMITTED): 5 1 4 0 0

( NOT SUBMITTED): 0 0 0 0 0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Chronic progressive glomerulonephropathy: (minimal)
Increase in nuclear pleomorphism: (minimal)

LIVER
Hepatitis: (minimal)

TESTIS
Unilateral tubular degeneration: (minimal; focal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - FL GENERATION

ANIMAL NO: 158  SEX: M  DOSE: 1000 ppm  ON STUDY: 240 days (35 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

Tissue Check:  Total  Examined  Not Exam  Missing  NAD

Protocol Required:  2  2  0  0  1

Not Protocol (Submitted):  5  1  4  0  1

(The Not Submitted):  0  0  0  0  0

THE FOLLOWING TISSUES WERE MARKED NAD

LIVER; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy; (minimal)

Increase in nuclear pleomorphism; (minimal)

--------------------------------------------------------END OF ANIMAL--------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 159  SEX: M  DOSE: 1000 ppm  ON STUDY: 218 days (32 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane; No live pups recorded on day 1 following mating for B or C litters (female mating for C litter also suspect infertile).

THE FOLLOWING TISSUES WERE SUBMITTED

- EPIDIDYMIS
- KIDNEY
- LIVER
- PITUITARY GLAND
- PROSTATE GLAND
- SEMINAL VESICLE
- TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

- EPIDIDYMIS
- LIVER
- PROSTATE GLAND
- SEMINAL VESICLE
- TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)
Increase in nuclear pleomorphism: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 160 SEX: M DOSE: 1000 ppm ON STUDY: 217 days (31 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Pelvic dilatation : (slight)

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulosclerosis : (minimal)
Increase in nuclear pleomorphism : (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 161  SEX: M  DOSE: 1000 ppm  ON STUDY: 239 days (35 wks)  TERMINAL

PATHOLOGY - FL GENERATION

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MACROPATHOLOGY

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)
Increase in nuclear pleomorphism: (minimal)

LIVER

Hepatitis: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ON STUDY: 240 days (35 wks)

TERMINAL

ANIMAL NO: 162 SEX: M DOSE: 1000 ppm

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

EAR/TIMBALS GLAND

Pinna/e traumatised: (left)

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Increase in nuclear pleomorphism: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 164  SEX: M  DOSE: 1000 ppm  ON STUDY: 239 days (35 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane; No live pups recorded on day 1 following mating for A or C litters.

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS; LIVER; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Chronic progressive glomerulonephropathy: (minimal)
Increase in nuclear pleomorphism: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 165 SEX: M DOSE: 1000 ppm ON STUDY: 241 days (35 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane; No live pups recorded on day 1 following mating for C litter.

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Chronic progressive glomerulonephropathy; (minimal)
Increase in nuclear pleomorphism; (minimal)

LIVER
Hepatitis; (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 166 SEX: M DOSE: 1000 ppm ON STUDY: 240 days (35 wks) TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS; EYE; KIDNEY; LIVER; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

EYE

Eyelid/s stained: (right)

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)
Increase in nuclear pleomorphism: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 167 SEX: M DOSE: 1000 ppm ON STUDY: 241 days (35 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED
EPIDIDYMIS; KIDNEY; LIVER; ORAL CAVITY; PITUITARY GLAND; PROSTATE GLAND; SEMINAL VESICLE; TESTIS

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE
ORAL CAVITY
Teeth broken: upper incisors.

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD
LIVER; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE
KIDNEY
Chronic progressive glomerulonephropathy: (minimal)
Intratubular microlithiasis: (minimal)
Increase in nuclear pleomorphism: (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL NO: 168 SEX: M DOSE: 1000 ppm ON STUDY: 240 days (35 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMIS ; KIDNEY ; LIVER ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

Tissue Check: Total Examined Not Exam Missing Nad

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy : (minimal ; unilateral)
Increase in nuclear pleomorphism : (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 169  SEX: F  DOSE: 1000 ppm
ON STUDY: 231 days (33 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (minimal)
Intratubular microlithiasis: (minimal)

-----------------------------------------END OF ANIMAL------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 170  SEX: F  DOSE: 1000 ppm  ON STUDY: 231 days (33 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
- Reduced : (left) 25%.
- Misshapen : (left)

LIVER
- Accentuated lobular pattern : (slight)

OVARY
- Cystic bursa/e : (left) 10mm diameter.

UTERUS
- Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

TISSUE CHECK:

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 170 SEX: F DOSE: 1000 ppm ON STUDY: 231 days (33 wks) TERMINAL

PATHOLOGY - F1 GENERATION

MICROPATHOLOGY

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy: (slight) minimal in one kidney, moderate in the other causing distortion seen grossly.

END OF ANIMAL

--------------------------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 171 SEX: F DOSE: 1000 PATHOLOGY - F1 GENERATION
ON STUDY: 232 days (34 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

Tissue Check:

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy : (minimal ; unilateral)
Intratubular microlithiasis : (minimal)

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 172  SEX: F  DOSE: 1000 ppm  ON STUDY: 255 days (37 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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|---------------|----------------|
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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy : (minimal ; unilateral)

Intratubular micro lithiasis : (minimal)

-------------------------------------------------------END OF ANIMAL---------------------------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 173  SEX: F  DOSE: 1000 ppm  ON STUDY: 251 days (36 wks)  TERMINAL

MACROPATHOLOGY

Killed by Fluothane; Failed to produce F2B litter.

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

TISSUE CHECK:

TOTAL EXAMINED NOT EXAM MISSING NAD

PROTOCOL REQUIRED: 2 2 0 0 1

NOT PROTOCOL (SUBMITTED): 6 1 1 4 0

(NOT SUBMITTED): 0 0 0 0 0

Reproductive organs sent to teratology.

THE FOLLOWING TISSUES WERE MISSING

CERVIX: (stored)

OVARY: (stored)

UTERUS: (stored)

VAGINA: (stored)

THE FOLLOWING TISSUES WERE MARKED NAD
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 173  SEX: F  DOSE: 1000 ppm

PATHOLOGY - F1 GENERATION

ON STUDY: 251 days (36 wks)  TERMINAL

MICROPATHOLOGY

------------------------

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

------------------------

KIDNEY

Intratubular microlithiasis: (minimal; unilateral)

MAMMARY GLAND

Diffuse hyperplasia: (minimal)

------------------------END OF ANIMAL------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 174 SEX: F DOSE: 1000 ppm ON STUDY: 232 days (34 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

KIDNEY; LIVER

END OF ANIMAL
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
APPENDIX 25B

ANIMAL NO: 175  SEX: F  DOSE: 1000 ppm  ON STUDY: 229 days (33 wks)  TERMINAL

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis : (minimal)
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

PATHOLOGY - F1 GENERATION

ANIMAL No: 176 SEX: F DOSE: 1000 ppm ON STUDY: 232 days (34 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX ; KIDNEY ; LIVER ; MAMMARY GLAND ; OVARY ; PITUITARY GLAND ; UTERUS ; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy : (minimal ; unilateral)

------------------------------------------END OF ANIMAL------------------------------------------
PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 25B

ANIMAL NO: 177 SEX: F DOSE: 1000 ppm ON STUDY: 228 days (33 wks) TERMINAL

PATHOLOGY - F1 GENERATION

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

CERVIX; KIDNEY; LIVER; MAMMARY GLAND; OVARY; PITUITARY GLAND; UTERUS; VAGINA

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Implantation site/s present

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

Tissue Check: Total Examined Not Exam Missing NAD

PROTOCOL REQUIRED: 2 2 0 0 1

NOT PROTOCOL (SUBMITTED): 6 0 6 0 0

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THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis: (minimal; unilateral)

END OF ANIMAL