

PERCHLOROETHYLENE: MULTIGENERATION
INHALATION STUDY IN THE RAT
INDIVIDUAL ANIMAL DATA SUPPLEMENT
VOLUME II OF IV

Data Requirement - Guideline Ref. 83-4

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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

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ZENECA CENTRAL TOXICOLOGY LABORATORY
ALDERLEY PARK MACCLESFIELD
CHESHIRE UK

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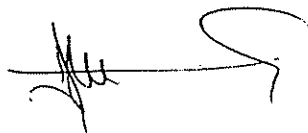
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PERCHLOROETHYLENE: MULTIGENERATION
INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

VOLUME II OF IV



Approved for Issue: G A Wickramaratne
Product Toxicologist

Date of Issue: 27 JUN 1995

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

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INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12A

MICROSCOPIC PATHOLOGY CROSS REFERENCE - F0 GENERATION

PAC910-04/02

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INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12A

MICROSCOPIC PATHOLOGY CROSS REFERENCE - F0 GENERATION

REMOVAL REASON: INTERCURRENT

DOSE LEVEL: 100 SEX: FEMALE
 ppm

7
3

KIDNEY	+
Intratubular microlithiasis	1
Pelvic urolithiasis	1

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KEY:		MORPHOLOGY SEVERITY
.	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 12A

MICROSCOPIC PATHOLOGY CROSS REFERENCE - F0 GENERATION

REMOVAL REASON: TERMINAL

DOSE LEVEL: 0 SEX: MALE
 ppm

CTL/P/4097
506

	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	9	0	1	2	2	2	2
EPIDIDYMISS .....	.	.	N	.	.	.	.	.	.	N	.	N	.	N	.	N	.	N	.	N	.	.	.	.
KIDNEY	+	+	+	+	+	N	N	+	+	N	+	+	+	+	+	+	+	+	+	+	+	+	+	+
Unilateral hydronephrosis .....	.	.	3	2	.	.	.	.	.	2	.	2	2	2	2	2	2	.	.	2	2	.	2	2
Chronic progressive glomerulonephropathy .....	.	1	.	.	.	.	.	.	.	.	1	.	.	1	1	1	.	.	1	.	.	1	1	.
Pelvic urolithiasis .....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	2	.
Transitional epithelial hyperplasia	2	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.
Tubular basophilia	1	.	.	1	.	1	1	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Interstitial mononuclear cell infiltration .....	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	1
LIVER	N	N	+	+	N	N	N	N	N	N	N	N	N	N	+	N	+	N	N	N	+	N	+	N
Hepatitis .....	.	.	1	1	.	.	.	.	.	.	.	.	.	.	1	1	.	.	.	.	.	1	1	.
PROSTATE GLAND .....	.	.	N	.	.	.	.	.	.	.	N	+	.	N	.	N	.	.	.	.	+	.	.	.
Prostatitis .....	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.	.	.	.	.	1	.	.
SEMINAL VESICLE .....	.	.	N	.	.	.	.	.	.	.	N	.	N	.	N	.	N	.	.	.	.	N	.	.
TESTIS .....	.	.	+	.	.	.	.	.	.	.	+	.	N	.	N	.	N	.	.	.	+	.	.	.
Unilateral tubular degeneration .....	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.
Tubular distension .....	.	.	.	.	.	.	.	.	.	.	3	.	.	.	.	.	.	.	.	.	.	.	.	.

KEY: MORPHOLOGY SEVERITY

.	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 12A

MICROSCOPIC PATHOLOGY CROSS REFERENCE - FO GENERATION

REMOVAL REASON: TERMINAL

DOSE LEVEL: 100
ppm

SEX: MALE

4 5 5 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 7 7 7
9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2

EPIDIDYMIS .....	. . N . . N . N N . . . N . N N
KIDNEY	+ + + + + + + + N N + + + + + + + + + + + + +
Unilateral hydronephrosis .....	. 1 2 1 2 3 . . . 2 3 3 2 . 2 . . .
Bilateral hydronephrosis .....	. . . . . 2
Chronic progressive glomerulonephropathy	1 . 1 1 1 1 1 . 1 1
Pelvic urolithiasis .....	. . . . . 1 1
Transitional epithelial hyperplasia .....	. . 1 . 2 1
Tubular basophilia .....	. . . . . 1 1 . . 1 . 1 1 . 1 1 . 1 . 1
Tubular dilatation .....	. . . . . . . . . . . 1
PROSTATE GLAND N . . N . N N . . . N . N +
Prostatitis 2
SEMINAL VESICLE N . . N . N N . . . N . N N
TESTIS N . . N . N N . . . N . N N

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KEY: MORPHOLOGY SEVERITY

. 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 12A

MICROSCOPIC PATHOLOGY CROSS REFERENCE - F0 GENERATION

REMOVAL REASON: TERMINAL

DOSE LEVEL: 300 SEX: MALE
 ppm

 1
 9 9 9 0 0 0 0 0 0 0 0 0 0 1 1 1 1 1 1 1 1 1 2
 7 8 9 0 1 2 3 4 5 6 7 8 9 0 1 2 3 4 5 7 8 9 0

EPIDIDYMIS	N N . N . . N N N N . N N . .
KIDNEY	+ + + + N N + + + + + + + + + + N + + + +
Unilateral hydronephrosis	2 . 2 1 . . 2 2 . . . 2 1 2 . 2 3 2 . . . 3 1
Bilateral hydronephrosis .....	. . . . . . . . . . 1
Chronic progressive glomerulonephropathy .....	. 1 . 1 1 . 1 1
Transitional epithelial hyperplasia .....	. . 1 . . . 2 . . . 1 1
Tubular basophilia	1 1 1 1 . 1 1 . 1 1 1 .
PROSTATE GLAND	+ N . N . . N N N N . N N . .
Prostatitis	1 .
SEMINAL VESICLE	N N . N . . N N N N . N N . .
TESTIS	N N . N . . N N N N . N N . .

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KEY: MORPHOLOGY SEVERITY

. NOT RECORDED	1 minimal
N N.A.D.	2 slight
O MISSING	3 moderate
+ MORPHOLOGY PRESENT	4 marked
X NO SEVERITY	

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

PATHOLOGY - F0 GENERATION

Key:

NO = number

M = male

F = female

wks = weeks

EXAM = examined

NAD = no abnormality detected

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 1 SEX: M DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 129 days (19 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	0	5	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Transitional epithelial hyperplasia : (slight ; unilateral)
Tubular basophilia : (minimal ; focal ; unilateral)

-----END OF ANIMAL-----

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

APPENDIX 12B

ANIMAL NO: 2 SEX: M DOSE: 0 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 129 days (19 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	0	5	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 ; unilateral)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 3 SEX: M DOSE: 0 PATHOLOGY - F0 GENERATION
 ppm ON STUDY: 129 days (19 wks) TERMINAL

MACROPATHOLOGY

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

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

TISSUE CHECK:	TOTAL	EXAMINED	NOT EXAM	MISSING	NAD
PROTOCOL REQUIRED:	2	2	0	0	0
NOT PROTOCOL (SUBMITTED):	5	4	1	0	3
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS ; PROSTATE GLAND ; SEMINAL VESICLE

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis : (moderate)

LIVER

Hepatitis : (minimal ; focal)

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 3 SEX: M DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 129 days (19 wks) TERMINAL

MICROPATHOLOGY

CONTINUATION - THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

TESTIS

Unilateral tubular degeneration : (minimal)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 4 SEX: M DOSE: 0 ppm PATHOLOGY - FO GENERATION ON STUDY: 129 days (19 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 : 50mm from tip.

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

Table with 6 columns: TISSUE CHECK:, TOTAL, EXAMINED, NOT EXAM, MISSING, NAD. Rows include PROTOCOL REQUIRED, NOT PROTOCOL (SUBMITTED), and (NOT SUBMITTED).

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis : (slight)

LIVER

Hepatitis : (minimal ; multifocal)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 5 SEX: M DOSE: 0 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 130 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMISS ; 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	0	5	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Tubular basophilia : (minimal ; multifocal)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 6 SEX: M DOSE: 0 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 130 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMISS ; 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	2
NOT PROTOCOL (SUBMITTED):	5	0	5	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

KIDNEY ; LIVER

-----END OF ANIMAL-----

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

APPENDIX 12B

ANIMAL NO: 7 SEX: M DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 130 days (19 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	2
NOT PROTOCOL (SUBMITTED):	5	0	5	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

KIDNEY ; LIVER

-----END OF ANIMAL-----

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

APPENDIX 12B

ANIMAL NO: 8 SEX: M DOSE: 0 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 130 days (19 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	0	5	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Tubular basophilia : (minimal ; multifocal)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 9 SEX: M DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 131 days (19 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	0	5	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Tubular basophilia : (minimal ; focal ; unilateral)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 10 SEX: M DOSE: 0 PATHOLOGY - F0 GENERATION ppm ON STUDY: 131 days (19 wks) TERMINAL

MACROPATHOLOGY

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

THE FOLLOWING TISSUES WERE MARKED NAD

KIDNEY ; LIVER

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 11 SEX: M DOSE: 0 PATHOLOGY - FO GENERATION
 ppm ON STUDY: 131 days (19 wks) TERMINAL

MACROPATHOLOGY

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

THE FOLLOWING TISSUES WERE SUBMITTED

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

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

TESTIS

Enlarged : (left) x1.5.

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):	5	4	1	0	3
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS ; LIVER ; PROSTATE GLAND ; SEMINAL VESICLE

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis : (slight)

TESTIS

Tubular distension : (moderate ; unilateral)

-----END OF ANIMAL-----

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 12 SEX: M DOSE: 0 ppm PATHOLOGY - F0 GENERATION ON STUDY: 131 days (19 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

Table with 6 columns: TISSUE CHECK:, TOTAL, EXAMINED, NOT EXAM, MISSING, NAD. Rows include PROTOCOL REQUIRED, NOT PROTOCOL (SUBMITTED), and (NOT SUBMITTED).

THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy : (minimal ; unilateral)

END OF ANIMAL

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

APPENDIX 12B

ANIMAL NO: 13 SEX: M DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 131 days (19 wks) TERMINAL

MACROPATHOLOGY

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

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

TISSUE CHECK:	TOTAL	EXAMINED	NOT EXAM	MISSING	NAD
PROTOCOL REQUIRED:	2	2	0	0	1
NOT PROTOCOL (SUBMITTED):	5	4	1	0	3
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS ; LIVER ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis : (slight)

Tubular basophilia : (minimal ; multifocal)

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 13 SEX: M DOSE: 0 ppm PATHOLOGY - FO GENERATION
ON STUDY: 131 days (19 wks) TERMINAL

MICROPATHOLOGY

CONTINUATION - THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

PROSTATE GLAND

Prostatitis : (minimal)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 14 SEX: M DOSE: 0 ppm PATHOLOGY - F0 GENERATION ON STUDY: 131 days (19 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

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

THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis : (slight)

-----END OF ANIMAL-----

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 15 SEX: M DOSE: 0 PATHOLOGY - F0 GENERATION
 ppm ON STUDY: 131 days (19 wks) TERMINAL

MACROPATHOLOGY

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

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 (SUEMITTED):	5	4	1	0	4
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy ; (minimal ; unilateral)
 Unilateral hydronephrosis ; (slight)

LIVER

Hepatitis ; (minimal ; focal)

-----END OF ANIMAL-----

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 16 SEX: M DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 131 days (19 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	0	5	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)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 17 SEX: M DOSE: 0 ppm PATHOLOGY - F0 GENERATION ON STUDY: 131 days (19 wks) TERMINAL

MACROPATHOLOGY

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

THE FOLLOWING TISSUES WERE SUBMITTED

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

NO ABNORMALITIES WERE SEEN IN THE ANIMAL

MICROPATHOLOGY

Table with 6 columns: TISSUE CHECK:, TOTAL, EXAMINED, NOT EXAM, MISSING, NAD. Rows include PROTOCOL REQUIRED, NOT PROTOCOL (SUBMITTED), and (NOT SUBMITTED).

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)

LIVER

Hepatitis : (minimal ; multifocal)

-----END OF ANIMAL-----

CTL/P/4097 - 533

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 18 SEX: M DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 95 days (14 wks) INTERCURRENT

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

KIDNEY

Pelvic dilatation : (right ; moderate)

ORAL CAVITY

Teeth maloccluded

Erosion/s : hole approximately 2mm diameter, just above front molars of upper jaw.

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	5	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

CTL/P/4097 - 534

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 18 SEX: M DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 95 days (14 wks) INTERCURRENT

MICROPATHOLOGY

KIDNEY

Unilateral hydronephrosis : (slight)

ORAL CAVITY

Malocclusion (macroscopic observation)

Palatine fistula (macroscopic observation)

FACTOR CONTRIBUTORY TO DEATH

ORAL CAVITY : Palatine fistula (macroscopic observation)

-----END OF ANIMAL-----

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 19 SEX: M DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 131 days (19 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	0	5	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

LIVER

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis : (slight)

-----END OF ANIMAL-----

CTL/P/4097 - 536

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

APPENDIX 12B

ANIMAL NO: 20 SEX: M DOSE: 0 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 131 days (19 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	0	5	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 ; unilateral)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 21 SEX: M DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 131 days (19 wks) TERMINAL

MACROPATHOLOGY

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

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	4	1	0	2
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS ; LIVER ; SEMINAL VESICLE

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Interstitial mononuclear cell infiltration : (minimal ; focal ; unilateral)

PROSTATE GLAND

Prostatitis : (minimal)

TESTIS

Unilateral tubular degeneration : (minimal ; multifocal)

-----END OF ANIMAL-----

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 22 SEX: M DOSE: 0 PATHOLOGY - FO GENERATION ppm ON STUDY: 131 days (19 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	0	5	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis ; (slight)
Interstitial mononuclear cell infiltration : (minimal ; multifocal)

LIVER

Hepatitis : (minimal ; focal)

-----END OF ANIMAL-----

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

APPENDIX 12B

ANIMAL NO: 23 SEX: M DOSE: 0 PATHOLOGY - FO GENERATION
 ppm ON STUDY: 131 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMISS ; 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:	TOTAL	EXAMINED	NOT EXAM	MISSING	NAD
PROTOCOL REQUIRED:	2	2	0	0	1
NOT PROTOCOL (SUBMITTED):	5	0	5	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 ; unilateral)

Unilateral hydronephrosis : (slight)

Transitional epithelial hyperplasia : (minimal ; unilateral)

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 23 SEX: M DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 131 days (19 wks) TERMINAL

MICROPATHOLOGY

CONTINUATION - THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Pelvic urolithiasis : (slight ; unilateral)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 24 SEX: M DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 131 days (19 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	0	5	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy : (minimal ; unilateral)

LIVER

Hepatitis : (minimal ; focal)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 25 SEX: F DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 134 days (20 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

Mass 1 : (right) 12mm diameter, cranial pole, pale, firm.

UTERUS

Implantation site/s present : left 7, right 6.

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 : (slight)

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 25 SEX: F DOSE: 0 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 134 days (20 wks) TERMINAL

MICROPATHOLOGY

CONTINUATION - THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Nephroblastoma : (NEOPLASTIC ; MALIGNANT ; PRIMARY)

-----END OF ANIMAL-----

CTL/P/4097 - 544

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 26 SEX: F DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 135 days (20 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

Depressed area/s : (right) capsular surface, 3mm diameter, central on greater curvature.

UTERUS

Implantation site/s present : left 7, right 2.

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 : (slight)

PAC900-05/02

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

APPENDIX 12B

ANIMAL NO: 26 SEX: F DOSE: 0 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 135 days (20 wks) TERMINAL

MICROPATHOLOGY

CONTINUATION - THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY
Surface depression : (slight ; unilateral)

-----END OF ANIMAL-----

CTL/P/4097 - 546

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 27 SEX: F DOSE: 0 ppm PATHOLOGY - F0 GENERATION ON STUDY: 134 days (20 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; Failed to produce F1A 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

MICROPATHOLOGY

TISSUE CHECK:	TOTAL	EXAMINED	NOT EXAM	MISSING	NAD
PROTOCOL REQUIRED:	2	2	0	0	1
NOT PROTOCOL (SUBMITTED):	6	5	1	0	5
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

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

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis : (slight)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 28 SEX: F DOSE: 0 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 134 days (20 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 : left 3, right 7.

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

Unilateral hydronephrosis : (slight)
Intratubular microlithiasis : (moderate)

-----END OF ANIMAL-----

CTL/P/4097 - 548

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 29 SEX: F DOSE: 0 ppm PATHOLOGY - F0 GENERATION ON STUDY: 135 days (20 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 ; moderate)

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

Unilateral hydronephrosis : (moderate)

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PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 29 SEX: F DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 135 days (20 wks) TERMINAL

MICROPATHOLOGY

CONTINUATION - THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Transitional epithelial hyperplasia : (minimal ; focal ; unilateral)
Intratubular microlithiasis : (slight)

-----END OF ANIMAL-----

CTL/P/4097 - 550

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

APPENDIX 12B

ANIMAL NO: 30 SEX: F DOSE: 0 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 136 days (20 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 : left 1, right 2.

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 : (moderate)

-----END OF ANIMAL-----

CTL/P/4097 - 551

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 31 SEX: F DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 141 days (21 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 : left 1, right 6.

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 : (slight)

-----END OF ANIMAL-----

CTL/P/4097 - 552

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 32 SEX: F DOSE: 0 PATHOLOGY - FO GENERATION
 ppm ON STUDY: 135 days (20 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 : left 6, right 5.

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 : (slight)

-----END OF ANIMAL-----

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 33 SEX: F DOSE: 0 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 134 days (20 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 : left 5, right 5.

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 : (slight)
Dilatation collecting ducts : (minimal ; focal ; unilateral)

-----END OF ANIMAL-----

CTL/P/4097 - 554

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 34 SEX: F DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 134 days (20 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 : left 6, right 5.

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 ; (slight)

-----END OF ANIMAL-----

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 35 SEX: F DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 151 days (22 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

TAIL : Damage recorded clinically not seen at necropsy.

UTERUS

Implantation site/s present : left 7, right 5.

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):	1	0	1	0	0

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 12B

ANIMAL NO: 36 SEX: F DOSE: 0 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 135 days (20 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 : left 4, right 7.

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 : (moderate)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 37 SEX: F DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 152 days (22 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 : left 4, right 8.

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-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 38 SEX: F DOSE: 0 PATHOLOGY - FO GENERATION ppm ON STUDY: 135 days (20 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

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

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

LUNG

Red spot/s : multiple, 1mm diameter, all lobes all surfaces.

UTERUS

Implantation site/s present : left 5, right 6.

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):	7	0	7	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 : (slight)

-----END OF ANIMAL-----

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PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 39 SEX: F DOSE: 0 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 151 days (22 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 : (slight)

UTERUS

Implantation site/s present : left 6, right 7.

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 : (slight)

-----END OF ANIMAL-----

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 40 SEX: F DOSE: 0 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 135 days (20 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 : left 0, right 3.

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

Bilateral hydronephrosis : (slight)
Intratubular microlithiasis : (moderate)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 41 SEX: F DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 152 days (22 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 : left 7, right 4.

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 : (moderate)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 42 SEX: F DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 141 days (21 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 : left 3, right 9.

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 : (moderate)

-----END OF ANIMAL-----

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 43 SEX: F DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 135 days (20 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 : left 8, right 6.

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-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 44 SEX: F DOSE: 0 PATHOLOGY - FO GENERATION
 ppm ON STUDY: 141 days (21 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

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

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

EYE

Bulging : (left)

UTERUS

Implantation site/s present : left 4, right 7.

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):	7	0	7	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 : (slight)

-----END OF ANIMAL-----

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 45 SEX: F DOSE: 0 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 158 days (23 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 : left 9, right 3.

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	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis : (slight)

LIVER

Hepatitis : (minimal ; focal)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 46 SEX: F DOSE: 0 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 136 days (20 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 : left 9, right 3.

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 : (slight)

-----END OF ANIMAL-----

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 47 SEX: F DOSE: 0 PATHOLOGY - FO GENERATION
ppm ON STUDY: 134 days (20 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 : left 4, right 5.

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 : (moderate)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 48 SEX: F DOSE: 0 ppm PATHOLOGY - FO GENERATION ON STUDY: 134 days (20 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 : left 5, right 4.

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 : (moderate)
Papillitis : (slight ; unilateral)
Dilatation collecting ducts : (slight ; unilateral) also containing casts.

END OF ANIMAL

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

APPENDIX 12B

ANIMAL NO: 49 SEX: M DOSE: 100 ppm PATHOLOGY - FO GENERATION ON STUDY: 129 days (19 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	5	2	0	4
(NOT SUBMITTED):	0	0	0	0	0

No live pups following any mating.

THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy : (minimal)

-----END OF ANIMAL-----

CTL/P/4097 - 570

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 50 SEX: M DOSE: 100 PATHOLOGY - FO GENERATION
ppm ON STUDY: 129 days (19 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	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis : (minimal)

-----END OF ANIMAL-----

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 51 SEX: M DOSE: 100 ppm PATHOLOGY - F0 GENERATION ON STUDY: 129 days (19 wks) TERMINAL

MACROPATHOLOGY

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

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

MICROPATHOLOGY

Table with 6 columns: TISSUE CHECK:, TOTAL, EXAMINED, NOT EXAM, MISSING, NAD. Rows include PROTOCOL REQUIRED, NOT PROTOCOL (SUBMITTED), and (NOT SUBMITTED).

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 ; unilateral)

END OF ANIMAL

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 52 SEX: M DOSE: 100 ppm PATHOLOGY - F0 GENERATION ON STUDY: 129 days (19 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	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

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

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 53 SEX: M DOSE: 100 PATHOLOGY - FO GENERATION
ppm ON STUDY: 130 days (19 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 ; 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	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy : (minimal)

Unilateral hydronephrosis : (slight)

Transitional epithelial hyperplasia : (slight ; unilateral)

-----END OF ANIMAL-----

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 54 SEX: M DOSE: 100 PATHOLOGY - FO GENERATION ppm ON STUDY: 130 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; No live pups recorded on day 1 following any mating.

THE FOLLOWING TISSUES WERE SUBMITTED

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

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Pelvic dilatation : (left ; slight ; right ; moderate)

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	5	2	0	4
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Bilateral hydronephrosis : (slight)

-----END OF ANIMAL-----

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

APPENDIX 12B

ANIMAL NO: 55 SEX: M DOSE: 100 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 130 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMISS ; 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	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Pelvic urolithiasis : (minimal ; unilateral)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 56 SEX: M DOSE: 100 PATHOLOGY - FO GENERATION ppm ON STUDY: 130 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; No live pups recorded on day 1 following any mating.

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	5	2	0	4
(NOT SUBMITTED):	0	0	0	0	0

Killed by Fluothane

THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Tubular basophilia : (minimal ; multifocal)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 57 SEX: M DOSE: 100 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 130 days (19 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	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Tubular basophilia : (minimal ; multifocal)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 58 SEX: M DOSE: 100 ppm PATHOLOGY - F0 GENERATION
ON STUDY: 130 days (19 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	1	6	0	1
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

KIDNEY

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 59 SEX: M DOSE: 100 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 131 days (19 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	1	6	0	1
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

KIDNEY

-----END OF ANIMAL-----

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

APPENDIX 12B

ANIMAL NO: 60 SEX: M DOSE: 100 ppm PATHOLOGY - FO GENERATION
ON STUDY: 131 days (19 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 ; 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	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis : (moderate)
Tubular basophilia : (minimal ; multifocal ; unilateral)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 61 SEX: M DOSE: 100 ppm PATHOLOGY - F0 GENERATION
ON STUDY: 131 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; No live pups recorded on day 1 following any mating.

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:	TOTAL	EXAMINED	NOT EXAM	MISSING	NAD
PROTOCOL REQUIRED:	0	0	0	0	0
NOT PROTOCOL (SUBMITTED):	8	5	3	0	4
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Tubular dilatation : (minimal ; focal ; unilateral)

-----END OF ANIMAL-----

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 62 SEX: M DOSE: 100 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 131 days (19 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	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Tubular basophilia : (minimal ; focal ; unilateral)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 63 SEX: M DOSE: 100 PATHOLOGY - FO GENERATION
ppm ON STUDY: 131 days (19 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	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Tubular basophilia : (minimal ; multifocal)

-----END OF ANIMAL-----

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 64 SEX: M DOSE: 100 ppm PATHOLOGY - FO GENERATION ON STUDY: 131 days (19 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

KIDNEY

Pelvic dilatation : (right ; left)

TAIL

Fracture : near tip.

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)
Unilateral hydronephrosis : (slight)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 65 SEX: M DOSE: 100 ppm PATHOLOGY - FO GENERATION
ON STUDY: 131 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; No live pups recorded on day 1 following any mating.

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

TISSUE CHECK:	TOTAL	EXAMINED	NOT EXAM	MISSING	NAD
PROTOCOL REQUIRED:	0	0	0	0	0
NOT PROTOCOL (SUBMITTED):	7	5	2	0	4
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS : One missing. ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis : (moderate)

Tubular basophilia : (minimal ; multifocal)

-----END OF ANIMAL-----

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 66 SEX: M DOSE: 100 ppm PATHOLOGY - FO GENERATION ON STUDY: 131 days (19 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

TISSUE CHECK:	TOTAL	EXAMINED	NOT EXAM	MISSING	NAD
PROTOCOL REQUIRED:	0	0	0	0	0
NOT PROTOCOL (SUBMITTED):	7	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis : (moderate)
 Transitional epithelial hyperplasia : (minimal ; unilateral)
 Pelvic urolithiasis : (minimal ; unilateral)
 Tubular basophilia : (minimal ; focal ; unilateral)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 67 SEX: M DOSE: 100 ppm PATHOLOGY - FO GENERATION ON STUDY: 131 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; No live pups recorded on day 1 following any mating.

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:	TOTAL	EXAMINED	NOT EXAM	MISSING	NAD
PROTOCOL REQUIRED:	0	0	0	0	0
NOT PROTOCOL (SUBMITTED):	7	5	2	0	4
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis : (slight)

-----END OF ANIMAL-----

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 68 SEX: M DOSE: 100 ppm PATHOLOGY - F0 GENERATION
ON STUDY: 131 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; No live pups recorded on day 1 following any mating.

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	5	2	0	3
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Tubular basophilia : (minimal ; focal ; unilateral)

PROSTATE GLAND

Prostatitis : (slight)

-----END OF ANIMAL-----

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

APPENDIX 12B

ANIMAL NO: 69 SEX: M DOSE: 100 PATHOLOGY - FO GENERATION
ppm ON STUDY: 131 days (19 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

TISSUE CHECK:	TOTAL	EXAMINED	NOT EXAM	MISSING	NAD
PROTOCOL REQUIRED:	0	0	0	0	0
NOT PROTOCOL (SUBMITTED):	7	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy : (minimal)

Unilateral hydronephrosis : (slight)

END OF ANIMAL

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 70 SEX: M DOSE: 100 ppm PATHOLOGY - F0 GENERATION ON STUDY: 131 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMS ; 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:	TOTAL	EXAMINED	NOT EXAM	MISSING	NAD
PROTOCOL REQUIRED:	0	0	0	0	0
NOT PROTOCOL (SUBMITTED):	7	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Tubular basophilia : (minimal ; focal ; unilateral)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 71 SEX: M DOSE: 100 PATHOLOGY - FO GENERATION
ppm ON STUDY: 131 days (19 wks) TERMINAL

MACROPATHOLOGY

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:	0	0	0	0	0
NOT PROTOCOL (SUBMITTED):	7	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy : (minimal)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 72 SEX: M DOSE: 100 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 131 days (19 wks) TERMINAL

MACROPATHOLOGY

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:	0	0	0	0	0
NOT PROTOCOL (SUBMITTED):	7	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

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 12B

ANIMAL NO: 73 SEX: F DOSE: 100 ppm PATHOLOGY - FO GENERATION ON STUDY: 108 days (16 wks) INTERCURRENT

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

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

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Pale : (slight)

LIVER

Accentuated lobular pattern

Pale : (slight)

PITUITARY GLAND

Pale

UTERUS

Foetus/es present : left horn; none present, right horn; 4 alive.

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

Table with 6 columns: TISSUE CHECK, TOTAL, EXAMINED, NOT EXAM, MISSING, NAD. Rows include PROTOCOL REQUIRED, NOT PROTOCOL (SUBMITTED), and (NOT SUBMITTED).

Failed to produce F1A litter.

THE FOLLOWING TISSUES WERE MARKED NAD

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 73 SEX: F DOSE: 100 PATHOLOGY - FO GENERATION
ppm ON STUDY: 108 days (16 wks) INTERCURRENT

MICROPATHOLOGY

CERVIX ; MAMMARY GLAND ; OVARY ; VAGINA

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Pelvic urolithiasis : (minimal ; unilateral)

Intratubular microlithiasis : (minimal)

UTERUS

Dystocia (diagnosis based on macroscopic observations)

FACTOR CONTRIBUTORY TO DEATH

UTERUS : Dystocia (diagnosis based on macroscopic observations)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 74 SEX: F DOSE: 100 PATHOLOGY - FO GENERATION
ppm ON STUDY: 144 days (21 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 : left 7, right 7.

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 : (minimal)

-----END OF ANIMAL-----

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 75 SEX: F DOSE: 100 ppm PATHOLOGY - FO GENERATION ON STUDY: 134 days (20 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; Failed to produce F1A 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

MICROPATHOLOGY

Table with 6 columns: TISSUE CHECK:, TOTAL, EXAMINED, NOT EXAM, MISSING, NAD. Rows include PROTOCOL REQUIRED, NOT PROTOCOL (SUBMITTED), and (NOT SUBMITTED).

THE FOLLOWING TISSUES WERE MARKED NAD

CERVIX ; MAMMARY GLAND ; OVARY ; UTERUS ; VAGINA

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

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

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 76 SEX: F DOSE: 100 PATHOLOGY - FO GENERATION
ppm ON STUDY: 134 days (20 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 : left 5, right 6.

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

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

-----END OF ANIMAL-----

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

APPENDIX 12B

ANIMAL NO: 77 SEX: F DOSE: 100 PATHOLOGY - FO GENERATION
ppm ON STUDY: 135 days (20 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 : left 5, right 1.

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

Unilateral hydronephrosis : (minimal)

Interstitial mononuclear cell infiltration : (minimal ; focal ; unilateral)

Intratubular microlithiasis : (moderate)

-----END OF ANIMAL-----

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 78 SEX: F DOSE: 100 ppm PATHOLOGY - F0 GENERATION
ON STUDY: 150 days (22 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 : left 7, right 5.

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

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

-----END OF ANIMAL-----

CTL/P/4097 - 600

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

APPENDIX 12B

ANIMAL NO: 79 SEX: F DOSE: 100 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 134 days (20 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 : left 6, right 8.

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

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

-----END OF ANIMAL-----

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 80 SEX: F DOSE: 100 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 134 days (20 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; Failed to produce F1A litter.

THE FOLLOWING TISSUES WERE SUBMITTED

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

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Distended : 50x20x15mm.

Discoloured : black.

Foetus/es present : two, one present in right horn, and second in the body of uterus.

Blood in lumen

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	5	2	1	3
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MISSING

CERVIX : (inadequate)

THE FOLLOWING TISSUES WERE MARKED NAD

MAMMARY GLAND ; OVARY ; VAGINA

CTL/P/4097 - 602

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 80 SEX: F DOSE: 100 ppm PATHOLOGY - F0 GENERATION
ON STUDY: 134 days (20 wks) TERMINAL

MICROPATHOLOGY

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

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

UTERUS

Placental tissue in lumen
Foetal death in utero (macroscopic observation)

-----END OF ANIMAL-----

CTL/P/4097 - 603

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 81 SEX: F DOSE: 100 PATHOLOGY - FO GENERATION
ppm ON STUDY: 134 days (20 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 : left 8, right 6.

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

Tubular basophilia ; (minimal ; multifocal ; unilateral)

Intratubular microlithiasis : (slight)

-----END OF ANIMAL-----

CTL/P/4097 - 604

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 82 SEX: F DOSE: 100 ppm PATHOLOGY - F0 GENERATION
ON STUDY: 134 days (20 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 : left 8, right 6.

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-----

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 83 SEX: F DOSE: 100 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 134 days (20 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 : (slight)

UTERUS

Implantation site/s present : left 3, right 4.

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)

Unilateral hydronephrosis : (slight)

Intratubular microlithiasis : (minimal)

-----END OF ANIMAL-----

CTL/P/4097 - 606

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 84 SEX: F DOSE: 100 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 134 days (20 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 : left 5, right 7.

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 : (moderate)

-----END OF ANIMAL-----

CTL/P/4097 - 607

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 85 SEX: F DOSE: 100 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 152 days (22 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 : left 4, right 6.

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 : (minimal)

-----END OF ANIMAL-----

CTL/P/4097 - 608

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 86 SEX: F DOSE: 100 PATHOLOGY - FO GENERATION ppm ON STUDY: 134 days (20 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 : left 5, right 6.

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

Table with 6 columns: TISSUE CHECK:, TOTAL, EXAMINED, NOT EXAM, MISSING, NAD. Rows include PROTOCOL REQUIRED, NOT PROTOCOL (SUBMITTED), and (NOT SUBMITTED).

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis : (slight)

-----END OF ANIMAL-----

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PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 87 SEX: F DOSE: 100 ppm PATHOLOGY - F0 GENERATION ON STUDY: 135 days (20 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 : left 6, right 8.

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)

Unilateral hydronephrosis : (minimal)

Intratubular microlithiasis : (minimal)

-----END OF ANIMAL-----

CTL/P/4097 - 610

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

APPENDIX 12B

ANIMAL NO: 88 SEX: F DOSE: 100 PATHOLOGY - F0 GENERATION
 ppm ON STUDY: 134 days (20 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 : left 4, right 7.

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

Bilateral hydronephrosis : (minimal)
 Tubular basophilia : (minimal ; focal ; unilateral)
 Intratubular microlithiasis : (minimal)

-----END OF ANIMAL-----

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 89 SEX: F DOSE: 100 ppm PATHOLOGY - FO GENERATION ON STUDY: 151 days (22 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 : left 7, right 4.

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 : (moderate)

-----END OF ANIMAL-----

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PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 90 SEX: F DOSE: 100 ppm PATHOLOGY - F0 GENERATION
ON STUDY: 135 days (20 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 : left 2, right 1.

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-----

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PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 91 SEX: F DOSE: 100 PATHOLOGY - FO GENERATION
ppm ON STUDY: 151 days (22 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 : left 5, right 8.

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

Unilateral hydronephrosis : (minimal)
Intratubular microlithiasis : (minimal)

-----END OF ANIMAL-----

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 92 SEX: F DOSE: 100 ppm PATHOLOGY - FO GENERATION ON STUDY: 155 days (23 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 : left 6, right 7.

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-----

CTL/P/4097 - 615

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 93 SEX: F DOSE: 100 PATHOLOGY - FO GENERATION
ppm ON STUDY: 134 days (20 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 ; moderate)

UTERUS

Implantation site/s present : left 6, right 6.

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

Bilateral hydronephrosis : (slight)
Tubular basophilia : (minimal ; multifocal ; unilateral)
Intratubular microlithiasis : (minimal)

-----END OF ANIMAL-----

CTL/P/4097 - 616

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 94 SEX: F DOSE: 100 ppm PATHOLOGY - FO GENERATION ON STUDY: 134 days (20 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 : left 5, right 8.

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-----

PAC900-05/02

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

APPENDIX 12B

ANIMAL NO: 95 SEX: F DOSE: 100 PATHOLOGY - FO GENERATION
ppm ON STUDY: 134 days (20 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 : left 6, right 8.

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 : (minimal)

-----END OF ANIMAL-----

CTL/P/4097 - 618

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 96 SEX: F DOSE: 100 ppm PATHOLOGY - F0 GENERATION ON STUDY: 135 days (20 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 : left 2, right 2.

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 : (moderate)

-----END OF ANIMAL-----

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PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 97 SEX: M DOSE: 300 PATHOLOGY - FO GENERATION
ppm ON STUDY: 129 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; No live pups recorded on day 1 following any mating.

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	5	2	0	3
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis : (slight)

Tubular basophilia : (minimal ; multifocal ; unilateral)

PROSTATE GLAND

Prostatitis : (minimal)

-----END OF ANIMAL-----

CTL/P/4097 - 620

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 98 SEX: M DOSE: 300 PATHOLOGY - FO GENERATION
ppm ON STUDY: 129 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; No live pups recorded on day 1 following any mating.

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	5	2	0	4
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy : (minimal)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 99 SEX: M DOSE: 300 PATHOLOGY - FO GENERATION
ppm ON STUDY: 129 days (19 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 ; right)

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	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis : (slight)

-----END OF ANIMAL-----

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 100 SEX: M DOSE: 300 ppm PATHOLOGY - FO GENERATION
ON STUDY: 129 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; No live pups recorded on day 1 following any mating.

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	5	2	0	4
(NOT SUBMITTED):	0	0	0	0	0

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 : (minimal)
Transitional epithelial hyperplasia : (minimal ; focal ; unilateral)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 101 SEX: M DOSE: 300 ppm PATHOLOGY - F0 GENERATION
ON STUDY: 129 days (19 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	1	6	0	1
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

KIDNEY

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 102 SEX: M DOSE: 300 PATHOLOGY - FO GENERATION
ppm ON STUDY: 129 days (19 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	1	6	0	1
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

KIDNEY

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 103 SEX: M DOSE: 300 ppm PATHOLOGY - F0 GENERATION
ON STUDY: 130 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; No live pups recorded on day 1 following any mating.

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

TISSUE CHECK:	TOTAL	EXAMINED	NOT EXAM	MISSING	NAD
PROTOCOL REQUIRED:	0	0	0	0	0
NOT PROTOCOL (SUBMITTED):	7	5	2	0	4
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis : (slight)

-----END OF ANIMAL-----

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 104 SEX: M DOSE: 300 PATHOLOGY - FO GENERATION
ppm ON STUDY: 130 days (19 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 ; 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	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis : (slight)

Transitional epithelial hyperplasia : (slight ; multifocal ; unilateral)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 105 SEX: M DOSE: 300 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 130 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMISS ; 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	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Tubular basophilia : (minimal ; focal ; unilateral)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 106 SEX: M DOSE: 300 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 130 days (19 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	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Tubular basophilia : (minimal ; focal ; unilateral)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 107 SEX: M DOSE: 300 ppm PATHOLOGY - FO GENERATION ON STUDY: 130 days (19 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	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Bilateral hydronephrosis : (minimal)
Tubular basophilia : (minimal ; focal ; unilateral)

-----END OF ANIMAL-----

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 108 SEX: M DOSE: 300 ppm PATHOLOGY - F0 GENERATION ON STUDY: 130 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; No live pups recorded on day 1 following any mating.

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

Table with 6 columns: TISSUE CHECK:, TOTAL, EXAMINED, NOT EXAM, MISSING, NAD. Rows include PROTOCOL REQUIRED, NOT PROTOCOL (SUBMITTED), and (NOT SUBMITTED).

THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis ; (slight)
Transitional epithelial hyperplasia ; (minimal ; focal ; unilateral)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 109 SEX: M DOSE: 300 ppm PATHOLOGY - F0 GENERATION
ON STUDY: 131 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; No live pups recorded on day 1 following any mating.

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	5	2	0	4
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis : (minimal)

Tubular basophilia : (minimal ; multifocal ; unilateral)

-----END OF ANIMAL-----

CTL/P/4097 - 632

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 110 SEX: M DOSE: 300 PATHOLOGY - FO GENERATION
ppm ON STUDY: 131 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMSIS ; 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

TISSUE CHECK:	TOTAL	EXAMINED	NOT EXAM	MISSING	NAD
PROTOCOL REQUIRED:	0	0	0	0	0
NOT PROTOCOL (SUBMITTED):	7	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis : (slight)

-----END OF ANIMAL-----

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

APPENDIX 12B

ANIMAL NO: 111 SEX: M DOSE: 300 PATHOLOGY - FO GENERATION
ppm ON STUDY: 131 days (19 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	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy : (minimal)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 112 SEX: M DOSE: 300 ppm PATHOLOGY - FO GENERATION ON STUDY: 131 days (19 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

Table with 6 columns: TISSUE CHECK:, TOTAL, EXAMINED, NOT EXAM, MISSING, NAD. Rows include PROTOCOL REQUIRED, NOT PROTOCOL (SUBMITTED), and (NOT SUBMITTED).

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis : (slight)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 113 SEX: M DOSE: 300 ppm PATHOLOGY - F0 GENERATION
ON STUDY: 131 days (19 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	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy : (minimal ; unilateral)
Unilateral hydronephrosis : (moderate)
Transitional epithelial hyperplasia : (minimal ; focal ; unilateral)

-----END OF ANIMAL-----

CTL/P/4097 - 636

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 114 SEX: M DOSE: 300 PATHOLOGY - FO GENERATION
ppm ON STUDY: 131 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; No live pups recorded on day 1 following any mating.

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	5	2	0	4
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis : (slight)
Tubular basophilia : (minimal ; multifocal)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 115 SEX: M DOSE: 300 PATHOLOGY - FO GENERATION
ppm ON STUDY: 131 days (19 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

TISSUE CHECK:	TOTAL	EXAMINED	NOT EXAM	MISSING	NAD
PROTOCOL REQUIRED:	0	0	0	0	0
NOT PROTOCOL (SUBMITTED):	8	1	7	0	1
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

KIDNEY

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 116 SEX: M DOSE: 300 ppm PATHOLOGY - FO GENERATION ON STUDY: 56 days (8 wks) INTERCURRENT

MACROPATHOLOGY

Killed by Fluothane ; Animal killed and bled in cell.

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMS ; EYE ; KIDNEY ; LIVER ; NASAL CAVITY ; PITUITARY GLAND ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS ; URINARY BLADDER

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

EYE

Eyelid/s stained

NASAL CAVITY

Snout twisted : nose appears to be broken, lower incisors have pierced upper palate.

URINARY BLADDER

Firm deposit/s : one up to 4mm diameter.

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

Table with 6 columns: TISSUE CHECK:, TOTAL, EXAMINED, NOT EXAM, MISSING, NAD. Rows include PROTOCOL REQUIRED, NOT PROTOCOL (SUBMITTED), and (NOT SUBMITTED).

THE FOLLOWING TISSUES WERE MARKED NAD

KIDNEY

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 116 SEX: M DOSE: 300 ppm PATHOLOGY - FO GENERATION
ON STUDY: 56 days (8 wks) INTERCURRENT

MICROPATHOLOGY

FACTOR CONTRIBUTORY TO DEATH

FCD UNKNOWN

END OF ANIMAL

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 117 SEX: M DOSE: 300 PATHOLOGY - F0 GENERATION
ppm ON STUDY: 131 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; No live pups recorded on day 1 following any mating.

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	5	2	0	4
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Tubular basophilia : (minimal ; multifocal)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 118 SEX: M DOSE: 300 ppm PATHOLOGY - F0 GENERATION
ON STUDY: 131 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; No live pups recorded on day 1 following any mating.

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	5	2	0	4
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

EPIDIDYMIS ; PROSTATE GLAND ; SEMINAL VESICLE ; TESTIS

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Tubular basophilia : (minimal ; multifocal)

-----END OF ANIMAL-----

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PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 119 SEX: M DOSE: 300 ppm PATHOLOGY - FO GENERATION ON STUDY: 131 days (19 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane

THE FOLLOWING TISSUES WERE SUBMITTED

EPIDIDYMS ; 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

TISSUE CHECK:	TOTAL	EXAMINED	NOT EXAM	MISSING	NAD
PROTOCOL REQUIRED:	0	0	0	0	0
NOT PROTOCOL (SUBMITTED):	7	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis : (moderate)
Tubular basophilia : (minimal ; multifocal ; unilateral)

-----END OF ANIMAL-----

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 120 SEX: M DOSE: 300 ppm PATHOLOGY - F0 GENERATION
ON STUDY: 131 days (19 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	1	6	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Chronic progressive glomerulonephropathy : (minimal ; unilateral)

Unilateral hydronephrosis : (minimal)

-----END OF ANIMAL-----

CTL/P/4097 - 644

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 121 SEX: F DOSE: 300 ppm PATHOLOGY - FO GENERATION ON STUDY: 135 days (20 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; Failed to produce F1A litter.

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 ; moderate)

UTERUS

Implantation site/s absent

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	6	2	0	5
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

CERVIX ; MAMMARY GLAND ; OVARY ; UTERUS ; VAGINA

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Unilateral hydronephrosis : (moderate)

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 121 SEX: F DOSE: 300 ppm PATHOLOGY - FO GENERATION
ON STUDY: 135 days (20 wks) TERMINAL

MICROPATHOLOGY

CONTINUATION - THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

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

-----END OF ANIMAL-----

CTL/P/4097 - 646

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 122 SEX: F DOSE: 300 ppm PATHOLOGY - F0 GENERATION ON STUDY: 152 days (22 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 : left 6, right 8.

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

Table with 6 columns: TISSUE CHECK:, TOTAL, EXAMINED, NOT EXAM, MISSING, NAD. Rows include PROTOCOL REQUIRED, NOT PROTOCOL (SUBMITTED), and (NOT SUBMITTED).

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis : (minimal)

-----END OF ANIMAL-----

CTL/P/4097 - 647

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 123 SEX: F DOSE: 300 PATHOLOGY - FO GENERATION
ppm ON STUDY: 136 days (20 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 : left 9, right 4.

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 : (moderate)

-----END OF ANIMAL-----

CTL/P/4097 - 648

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 124 SEX: F DOSE: 300 ppm PATHOLOGY - FO GENERATION ON STUDY: 152 days (22 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 : left 5, right 5.

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-----

CTL/P/4097 - 649

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 125 SEX: F DOSE: 300 ppm PATHOLOGY - F0 GENERATION
ON STUDY: 134 days (20 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

KIDNEY

Pelvic dilatation : (right ; slight)

TAIL

Kinked

UTERUS

Implantation site/s present : left 7, right 2.

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):	9	1	8	0	0
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Tubular basophilia : (minimal ; multifocal)

Intratubular microlithiasis : (moderate)

-----END OF ANIMAL-----

CTL/P/4097 - 650

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 126 SEX: F DOSE: 300 PATHOLOGY - FO GENERATION
ppm ON STUDY: 134 days (20 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 : left 1, right 5.

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

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

-----END OF ANIMAL-----

CTL/P/4097 - 651

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 127 SEX: F DOSE: 300 ppm PATHOLOGY - F0 GENERATION
ON STUDY: 134 days (20 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; Failed to produce F1A 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

MICROPATHOLOGY

TISSUE CHECK:	TOTAL	EXAMINED	NOT EXAM	MISSING	NAD
PROTOCOL REQUIRED:	0	0	0	0	0
NOT PROTOCOL (SUBMITTED):	8	6	2	0	5
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

CERVIX ; MAMMARY GLAND ; OVARY ; UTERUS ; VAGINA

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 12B

ANIMAL NO: 128 SEX: F DOSE: 300 ppm PATHOLOGY - FO GENERATION ON STUDY: 134 days (20 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 : left 3, right 3.

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 : (minimal)

-----END OF ANIMAL-----

CTL/P/4097 - 653

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 129 SEX: F DOSE: 300 ppm PATHOLOGY - F0 GENERATION
ON STUDY: 134 days (20 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 : left 1, right 4.

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 : (moderate)

-----END OF ANIMAL-----

CTL/P/4097 - 654

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 130 SEX: F DOSE: 300 ppm PATHOLOGY - FO GENERATION ON STUDY: 134 days (20 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 : left 3, right 1.

NO ABNORMALITIES WERE SEEN IN THE REMAINING TISSUES

MICROPATHOLOGY

Table with 6 columns: TISSUE CHECK:, TOTAL, EXAMINED, NOT EXAM, MISSING, NAD. Rows include PROTOCOL REQUIRED, NOT PROTOCOL (SUBMITTED), and (NOT SUBMITTED).

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

Intratubular microlithiasis : (minimal)

-----END OF ANIMAL-----

CTL/P/4097 - 655

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 131 SEX: F DOSE: 300 ppm PATHOLOGY - FO GENERATION
ON STUDY: 135 days (20 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 : left 5, right 4.

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

Bilateral hydronephrosis : (slight)
Intratubular microlithiasis : (moderate)

END OF ANIMAL

CTL/P/4097 - 656

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 132 SEX: F DOSE: 300 ppm PATHOLOGY - FO GENERATION
ON STUDY: 135 days (20 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; Failed to produce F1A litter.

THE FOLLOWING TISSUES WERE SUBMITTED

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

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

ABDOMINAL CAVITY

Free blood

KIDNEY

Pelvic dilatation : (right ; slight)

UTERUS

Distended : 10mm diameter.

Implantation site/s absent

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	6	2	0	3
(NOT SUBMITTED):	1	0	1	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

MAMMARY GLAND ; OVARY ; VAGINA

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 132 SEX: F DOSE: 300 PATHOLOGY - FO GENERATION
ppm ON STUDY: 135 days (20 wks) TERMINAL

MICROPATHOLOGY

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

CERVIX

Luminal dilatation : (marked)

KIDNEY

Intratubular microlithiasis : (moderate)

UTERUS

Luminal dilatation : (marked)

END OF ANIMAL

CTL/P/4097 - 658

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 133 SEX: F DOSE: 300 ppm PATHOLOGY - F0 GENERATION ON STUDY: 152 days (22 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 : left 7, right 4.

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

Interstitial mononuclear cell infiltration : (minimal ; multifocal)
 Intratubular microlithiasis : (minimal)

-----END OF ANIMAL-----

CTL/P/4097 - 659

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 134 SEX: F DOSE: 300 PATHOLOGY - FO GENERATION
ppm ON STUDY: 135 days (20 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 : left 4, right 5.

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 : (minimal)

-----END OF ANIMAL-----

CTL/P/4097 - 660

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 135 SEX: F DOSE: 300 ppm PATHOLOGY - F0 GENERATION ON STUDY: 134 days (20 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 : right 9, left 0.

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 hydronephrosis : (minimal)

Intratubular microlithiasis : (minimal)

-----END OF ANIMAL-----

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 136 SEX: F DOSE: 300 ppm PATHOLOGY - FO GENERATION
ON STUDY: 134 days (20 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 : left 5, right 8.

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 : (minimal)

-----END OF ANIMAL-----

CTL/P/4097 - 662

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 137 SEX: F DOSE: 300 ppm PATHOLOGY - FO GENERATION ON STUDY: 135 days (20 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 : left 6, right 7.

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 : (minimal)

-----END OF ANIMAL-----

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 138 SEX: F DOSE: 300 ppm PATHOLOGY - F0 GENERATION
ON STUDY: 150 days (22 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 : left 7, right 4.

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 : (slight)

-----END OF ANIMAL-----

CTL/P/4097 - 664

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 139 SEX: F DOSE: 300 PATHOLOGY - FO GENERATION
ppm ON STUDY: 134 days (20 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 : left 6, right 4.

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 hydronephrosis : (moderate)

Intratubular microlithiasis : (minimal)

-----END OF ANIMAL-----

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 140 SEX: F DOSE: 300 ppm PATHOLOGY - FO GENERATION
ON STUDY: 134 days (20 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; Failed to produce F1A 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

Distended : up to 6mm diameter.

Implantation site/s absent

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	6	2	0	3
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

MAMMARY GLAND ; OVARY ; VAGINA

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

CTL/P/4097 - 666

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 140 SEX: F DOSE: 300 PATHOLOGY - FO GENERATION
ppm ON STUDY: 134 days (20 wks) TERMINAL

MICROPATHOLOGY

CERVIX

Luminal dilatation : (marked)

KIDNEY

Intratubular microlithiasis : (minimal)

Cyst/s : (unilateral) single, at top of papilla adjacent to medulla, containing blood and debris.

UTERUS

Luminal dilatation : (marked)

-----END OF ANIMAL-----

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 141 SEX: F DOSE: 300 ppm PATHOLOGY - F0 GENERATION
ON STUDY: 158 days (23 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 : left 4, right 8.

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 : (minimal)

-----END OF ANIMAL-----

CTL/P/4097 - 668

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 142 SEX: F DOSE: 300 PATHOLOGY - FO GENERATION
 ppm ON STUDY: 158 days (23 wks) TERMINAL

MACROPATHOLOGY

Killed by Fluothane ; Failed to produce F1A litter.

THE FOLLOWING TISSUES WERE SUBMITTED

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

THE FOLLOWING MACROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Distended : (slight)
 Implantation site/s absent

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	6	2	0	4
(NOT SUBMITTED):	0	0	0	0	0

THE FOLLOWING TISSUES WERE MARKED NAD

CERVIX ; MAMMARY GLAND ; OVARY ; VAGINA

THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

KIDNEY

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

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 142 SEX: F DOSE: 300 PATHOLOGY - FO GENERATION
ppm ON STUDY: 158 days (23 wks) TERMINAL

MICROPATHOLOGY

CONTINUATION - THE FOLLOWING MICROSCOPIC OBSERVATIONS WERE MADE

UTERUS

Luminal dilatation : (moderate)

-----END OF ANIMAL-----

CTL/P/4097 - 670

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 143 SEX: F DOSE: 300 PATHOLOGY - FO GENERATION
ppm ON STUDY: 134 days (20 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 : left 6, right 8.

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 : (minimal)

-----END OF ANIMAL-----

CTL/P/4097 - 671

PAC900-05/02

PERCHLOROETHYLENE: MULTIGENERATION INHALATION STUDY IN THE RAT

INDIVIDUAL ANIMAL DATA SUPPLEMENT

APPENDIX 12B

ANIMAL NO: 144 SEX: F DOSE: 300 ppm PATHOLOGY - F0 GENERATION
ON STUDY: 134 days (20 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 : left 5, right 6.

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 : (moderate)

-----END OF ANIMAL-----

CTL/P/4097 - 672