

アクリル酸メチルのラットを用いた吸入による 2 週間毒性試験報告書

試験番号：0796

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TABLE A

**CONCENTRATIONS OF METHYL ACRYLATE IN THE
INHALATION CHAMBER OF THE 2-WEEK INHALATION STUDY**

CONCENTRATIONS OF METHYL ACRYLATE IN THE INHALATION
CHAMBER OF THE 2-WEEK INHALATION STUDY

Group Name	Concentration(ppm) Mean \pm S.D.
Control	0.0 \pm 0.0
50 ppm	50.0 \pm 0.1
100 ppm	100.3 \pm 0.5
200 ppm	200.2 \pm 0.9
400 ppm	400.5 \pm 1.3
800 ppm	800.8 \pm 1.3

TABLE B1

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1 2
 SEX : MALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Days)													
		0-0	1-1	1-2	1-3	1-4	1-5	1-6	1-7	2-1	2-2	2-3	2-4	2-5	2-6
Control	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
50ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
100ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
200ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
400ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
800ppm	5	5/ 5 100.0	5/ 5 100.0	2/ 5 40.0	0/ 5 0.0	0/ 5 0.0	0/ 5 0.0	0/ 5 0.0	0/ 5 0.0	0/ 5 0.0	0/ 5 0.0	0/ 5 0.0	0/ 5 0.0	0/ 5 0.0	0/ 5 0.0
		Number of survival/ Number of effective animals Survival rate(%)													

STUDY NO. : 0796
ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
REPORT TYPE : A1 2
SEX : MALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Days) 2-7
Control	5	5/ 5 100.0
50ppm	5	5/ 5 100.0
100ppm	5	5/ 5 100.0
200ppm	5	5/ 5 100.0
400ppm	5	5/ 5 100.0
800ppm	5	0/ 5 0.0

Number of survival/ Number of effective animals
Survival rate(%)

TABLE B2

SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1 2
 SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Days)													
		0-0	1-1	1-2	1-3	1-4	1-5	1-6	1-7	2-1	2-2	2-3	2-4	2-5	2-6
Control	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
50ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
100ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
200ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
400ppm	5	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0	5/ 5 100.0
800ppm	5	5/ 5 100.0	5/ 5 100.0	0/ 5 0.0	0/ 5 0.0	0/ 5 0.0	0/ 5 0.0	0/ 5 0.0	0/ 5 0.0	0/ 5 0.0	0/ 5 0.0	0/ 5 0.0	0/ 5 0.0	0/ 5 0.0	0/ 5 0.0
		Number of survival/ Number of effective animals Survival rate(%)													

STUDY NO. : 0796
ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrIj]
REPORT TYPE : A1 2
SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Days) 2-7
Control	5	5/ 5 100.0
50ppm	5	5/ 5 100.0
100ppm	5	5/ 5 100.0
200ppm	5	5/ 5 100.0
400ppm	5	5/ 5 100.0
800ppm	5	0/ 5 0.0

Number of survival/ Number of effective animals
Survival rate(%)

TABLE C1

CLINICAL OBSERVATION : MALE

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrIj [F344/DuCrj]
 REPORT TYPE : A1 2

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : MALE

PAGE : 1

Clinical sign	Group Name	Administration Week-day					
		1-1	1-2	1-4	1-7	2-3	2-7
DEATH	Control	0	0	0	0	0	0
	50ppm	0	0	0	0	0	0
	100ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	400ppm	0	0	0	0	0	0
	800ppm	0	1	5	5	-	-
CORNEAL OPACITY	Control	0	0	0	0	0	0
	50ppm	0	0	0	0	0	0
	100ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	400ppm	0	0	1	3	2	4
	800ppm	0	0	-	-	-	-
NOSE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0
	50ppm	0	0	0	0	0	0
	100ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	400ppm	0	0	0	0	0	0
	800ppm	0	3	-	-	-	-
DYSPNEA	Control	0	0	0	0	0	0
	50ppm	0	0	0	0	0	0
	100ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	400ppm	0	0	0	0	0	0
	800ppm	0	4	-	-	-	-
IRREGULAR BREATHING	Control	0	0	0	0	0	0
	50ppm	0	0	0	0	0	0
	100ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	400ppm	0	0	0	0	0	0
	800ppm	5	0	-	-	-	-
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0
	50ppm	0	0	0	0	0	0
	100ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	400ppm	2	2	0	2	2	5
	800ppm	5	4	-	-	-	-

STUDY NO. : 0796
ANIMAL : RAT F344/DuCrIcRij [F344/DuCrj]
REPORT TYPE : A1 2

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

PAGE : 2

Clinical sign	Group Name	Administration Week-day					
		1-1	1-2	1-4	1-7	2-3	2-7
NON REMARKABLE	Control	5	5	5	5	5	5
	50ppm	5	5	5	5	5	5
	100ppm	5	5	5	5	5	5
	200ppm	5	5	5	5	5	5
	400ppm	3	3	4	1	2	0
	800ppm	0	0	-	-	-	-

(HAN190)

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TABLE C2

CLINICAL OBSERVATION : FEMALE

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1 2

CLINICAL OBSERVATION (SUMMARY)
 ALL ANIMALS

SEX : FEMALE

PAGE : 3

Clinical sign	Group Name	Administration Week-day					
		1-1	1-2	1-4	1-7	2-3	2-7
DEATH	Control	0	0	0	0	0	0
	50ppm	0	0	0	0	0	0
	100ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	400ppm	0	0	0	0	0	0
	800ppm	0	4	5	5	-	-
CORNEAL OPACITY	Control	0	0	0	0	0	0
	50ppm	0	0	0	0	0	0
	100ppm	0	0	0	0	1	1
	200ppm	0	0	0	0	0	0
	400ppm	0	0	0	3	2	3
	800ppm	0	0	-	-	-	-
NOSE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0
	50ppm	0	0	0	0	0	0
	100ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	400ppm	0	0	0	0	0	0
	800ppm	0	1	-	-	-	-
DYSPNEA	Control	0	0	0	0	0	0
	50ppm	0	0	0	0	0	0
	100ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	400ppm	0	0	0	0	0	0
	800ppm	0	1	-	-	-	-
IRREGULAR BREATHING	Control	0	0	0	0	0	0
	50ppm	0	0	0	0	0	0
	100ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	400ppm	0	0	0	0	0	0
	800ppm	5	0	-	-	-	-
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0
	50ppm	0	0	0	0	0	0
	100ppm	0	0	0	0	0	0
	200ppm	0	0	0	0	0	0
	400ppm	1	0	3	3	3	4
	800ppm	4	1	-	-	-	-

STUDY NO. : 0796
ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
REPORT TYPE : A1 2

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

PAGE : 4

Clinical sign	Group Name	Administration Week-day					
		1-1	1-2	1-4	1-7	2-3	2-7
NON REMARKABLE	Control	5	5	5	5	5	5
	50ppm	5	5	5	5	5	5
	100ppm	5	5	5	5	4	4
	200ppm	5	5	5	5	5	5
	400ppm	4	5	2	0	1	0
	800ppm	0	0	-	-	-	-

(HAN190)

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TABLE D1

**BODY WEIGHT CHANGES AND SURVIVAL ANIMAL
NUMBERS : MALE**

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 UNIT : g
 REPORT TYPE : A1 2
 SEX : MALE

MEAN BODY WEIGHTS AND SURVIVAL

Week-Day on Study	Control		50ppm			100ppm			200ppm			400ppm			800ppm		
	Av. Wt.	No. of Surviv. < 5>	Av. Wt.	% of cont. < 5>	No. of Surviv.	Av. Wt.	% of cont. < 5>	No. of Surviv.	Av. Wt.	% of cont. < 5>	No. of Surviv.	Av. Wt.	% of cont. < 5>	No. of Surviv.	Av. Wt.	% of cont. < 5>	No. of Surviv.
0-0	123 (5)	5/ 5	122 (5)	99	5/ 5	123 (5)	100	5/ 5	122 (5)	99	5/ 5	123 (5)	100	5/ 5	123 (5)	100	5/ 5
1-2	131 (5)	5/ 5	130 (5)	99	5/ 5	128 (5)	98	5/ 5	124 (5)	95	5/ 5	108 (5)	82	5/ 5	111 (2)	85	2/ 5
1-4	139 (5)	5/ 5	135 (5)	97	5/ 5	133 (5)	96	5/ 5	121 (5)	87	5/ 5	103 (5)	74	5/ 5	- (-)	-	0/ 5
1-7	151 (5)	5/ 5	146 (5)	97	5/ 5	145 (5)	96	5/ 5	132 (5)	87	5/ 5	107 (5)	71	5/ 5	- (-)	-	0/ 5
2-3	164 (5)	5/ 5	159 (5)	97	5/ 5	159 (5)	97	5/ 5	143 (5)	87	5/ 5	109 (5)	66	5/ 5	- (-)	-	0/ 5
2-7	180 (5)	5/ 5	178 (5)	99	5/ 5	178 (5)	99	5/ 5	158 (5)	88	5/ 5	118 (5)	66	5/ 5	- (-)	-	0/ 5

< >:No. of effective animals, () :No. of measured animals Av. Wt. : g

TABLE D2

**BODY WEIGHT CHANGES AND SURVIVAL ANIMAL
NUMBERS : FEMALE**

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 UNIT : g
 REPORT TYPE : A1 2
 SEX : FEMALE

MEAN BODY WEIGHTS AND SURVIVAL

Week-Day on Study	Control		50ppm			100ppm			200ppm			400ppm			800ppm		
	Av. Wt.	No. of Surviv. < 5>	Av. Wt.	% of cont. < 5>	No. of Surviv.	Av. Wt.	% of cont. < 5>	No. of Surviv.	Av. Wt.	% of cont. < 5>	No. of Surviv.	Av. Wt.	% of cont. < 5>	No. of Surviv.	Av. Wt.	% of cont. < 5>	No. of Surviv.
0-0	99 (5)	5/ 5	98 (5)	99	5/ 5	98 (5)	99	5/ 5	99 (5)	100	5/ 5	99 (5)	100	5/ 5	98 (5)	99	5/ 5
1-2	105 (5)	5/ 5	105 (5)	100	5/ 5	103 (5)	98	5/ 5	99 (5)	94	5/ 5	86 (5)	82	5/ 5	- (-)	-	0/ 5
1-4	107 (5)	5/ 5	107 (5)	100	5/ 5	104 (5)	97	5/ 5	99 (5)	93	5/ 5	86 (5)	80	5/ 5	- (-)	-	0/ 5
1-7	112 (5)	5/ 5	112 (5)	100	5/ 5	110 (5)	98	5/ 5	103 (5)	92	5/ 5	90 (5)	80	5/ 5	- (-)	-	0/ 5
2-3	120 (5)	5/ 5	118 (5)	98	5/ 5	117 (5)	98	5/ 5	109 (5)	91	5/ 5	92 (5)	77	5/ 5	- (-)	-	0/ 5
2-7	128 (5)	5/ 5	127 (5)	99	5/ 5	126 (5)	98	5/ 5	117 (5)	91	5/ 5	99 (5)	77	5/ 5	- (-)	-	0/ 5

< >:No. of effective animals, ():No. of measured animals Av. Wt. : g

TABLE D3

BODY WEIGHT CHANGES : MALE

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 UNIT : g
 REPORT TYPE : A1 2
 SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
 ALL ANIMALS

Group Name	Administration week-day					
	0-0	1-2	1-4	1-7	2-3	2-7
Control	123± 5	131± 6	139± 6	151± 6	164± 7	180± 6
50ppm	122± 6	130± 5	135± 7	146± 7	159± 8	178± 8
100ppm	123± 5	128± 4	133± 4	145± 6	159± 7	178± 8
200ppm	122± 7	124± 6	121± 7**	132± 6**	143± 8**	158± 8**
400ppm	123± 5	108± 4**	103± 4**	107± 5**	109± 3**	118± 5**
800ppm	123± 4	111± 4 ?	-	-	-	-

Significant difference ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

? : Significant test is not applied, because No. of data in this group is less than 3.

TABLE D4

BODY WEIGHT CHANGES : FEMALE

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 UNIT : g
 REPORT TYPE : A1 2
 SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
 ALL ANIMALS

Group Name	Administration		week-day		1-4		1-7		2-3		2-7	
	0-0		1-2									
Control	99±	4	105±	4	107±	3	112±	5	120±	4	128±	3
50ppm	98±	4	105±	4	107±	4	112±	3	118±	4	127±	3
100ppm	98±	3	103±	4	104±	3	110±	4	117±	3	126±	4
200ppm	99±	4	99±	3	99±	3**	103±	4**	109±	3**	117±	4**
400ppm	99±	3	86±	3**	86±	4**	90±	3**	92±	3**	99±	5**
800ppm	98±	4	-		-		-		-		-	

Significant difference ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

TABLE E1

**FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL
NUMBERS : MALE**

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 UNIT : g
 REPORT TYPE : A1 2
 SEX : MALE

MEAN FOOD CONSUMPTION (FC) AND SURVIVAL

Week-Day on Study	Control		50ppm			100ppm			200ppm			400ppm			800ppm		
	Av. FC.	No. of Surviv. < 5>	Av. FC.	% of cont. < 5>	No. of Surviv.	Av. FC.	% of cont. < 5>	No. of Surviv.	Av. FC.	% of cont. < 5>	No. of Surviv.	Av. FC.	% of cont. < 5>	No. of Surviv.	Av. FC.	% of cont. < 5>	No. of Surviv.
1-7	14.9 (5)	5/ 5	14.7 (5)	99	5/ 5	13.7 (5)	92	5/ 5	11.7 (5)	79	5/ 5	7.6 (5)	51	5/ 5	- (-)	-	0/ 5
2-7	15.8 (5)	5/ 5	16.1 (5)	102	5/ 5	15.4 (5)	97	5/ 5	13.5 (5)	85	5/ 5	10.4 (5)	66	5/ 5	- (-)	-	0/ 5

< >:No. of effective animals, ():No. of measured animals Av. FC. : g

TABLE E2

**FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL
NUMBERS : FEMALE**

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 UNIT : g
 REPORT TYPE : A1 2
 SEX : FEMALE

MEAN FOOD CONSUMPTION (FC) AND SURVIVAL

Week-Day on Study	Control		50ppm		100ppm		200ppm		400ppm		800ppm						
	Av. FC.	No. of Surviv. < 5>	Av. FC.	% of cont. < 5>	No. of Surviv.	Av. FC.	% of cont. < 5>	No. of Surviv.	Av. FC.	% of cont. < 5>	No. of Surviv.	Av. FC.	% of cont. < 5>	No. of Surviv.			
1-7	11.8 (5)	5/ 5	12.0 (5)	102	5/ 5	10.1 (5)	86	5/ 5	9.8 (5)	83	5/ 5	6.6 (5)	56	5/ 5	- (-)	-	0/ 5
2-7	11.4 (5)	5/ 5	11.7 (5)	103	5/ 5	11.4 (5)	100	5/ 5	10.8 (5)	95	5/ 5	8.7 (5)	76	5/ 5	- (-)	-	0/ 5

< >:No. of effective animals, ():No. of measured animals Av. FC. :g

(B10040)

BAIS 5

TABLE E3

FOOD CONSUMPTION CHANGES : MALE

STUDY NO. : 0796
ANIMAL : RAT F344/DuCrICrIj [F344/DuCrIj]
UNIT : g
REPORT TYPE : A1 2
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day (effective)	
	1-7 (7)	2-7 (7)
Control	14.9 ± 0.5	15.8 ± 0.5
50ppm	14.7 ± 1.0	16.1 ± 1.1
100ppm	13.7 ± 0.7*	15.4 ± 1.1
200ppm	11.7 ± 0.8**	13.5 ± 1.7*
400ppm	7.6 ± 0.3**	10.4 ± 0.8**
800ppm	-	-

Significant difference : * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

TABLE E4

FOOD CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0796
ANIMAL : RAT F344/DuCrIcrij [F344/DuCrIj]
UNIT : g
REPORT TYPE : A1 2
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

PAGE : 2

Group Name	Administration week-day (effective)	
	1-7 (7)	2-7 (7)
Control	11.8 ± 0.3	11.4 ± 0.5
50ppm	12.0 ± 0.6	11.7 ± 0.6
100ppm	10.1 ± 0.7**	11.4 ± 1.2
200ppm	9.8 ± 0.9**	10.8 ± 0.6
400ppm	6.6 ± 0.4**	8.7 ± 0.8**
800ppm	-	-

Significant difference ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

TABLE F1

HEMATOLOGY : MALE

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 MEASURE TIME : 1
 SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
 ALL ANIMALS (3W)

Group Name	NO. of Animals	RED BLOOD CELL 10 ⁶ /μl	HEMOGLOBIN g/dl	HEMATOCRIT %	MCV fl	MCH pg	MCHC g/dl	PLATELET 10 ³ /μl
Control	5	8.46 ± 0.20	15.1 ± 0.5	44.8 ± 1.1	52.9 ± 0.4	17.8 ± 0.2	33.7 ± 0.5	1025 ± 70
50ppm	5	8.53 ± 0.21	15.3 ± 0.6	45.1 ± 0.9	52.9 ± 0.2	17.9 ± 0.3	33.8 ± 0.7	1004 ± 57
100ppm	5	8.57 ± 0.17	15.5 ± 0.3	45.6 ± 0.8	53.2 ± 0.5	18.0 ± 0.1	33.9 ± 0.5	996 ± 40
200ppm	5	8.79 ± 0.15	15.9 ± 0.4	46.6 ± 0.7	53.1 ± 0.3	18.1 ± 0.2	34.0 ± 0.5	870 ± 23**
400ppm	5	9.20 ± 0.39**	16.6 ± 0.8**	48.2 ± 1.8**	52.3 ± 0.6	18.0 ± 0.2	34.5 ± 0.3	697 ± 29**
800ppm	0	-	-	-	-	-	-	-

Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01

Test of Dunnett

STUDY NO. : 0796
ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
MEASURE TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (3W)

PAGE : 2

Group Name	NO. of Animals	RETICULOCYTE %	
Control	5	3.0±	0.3
50ppm	5	3.2±	0.3
100ppm	5	3.3±	0.5
200ppm	5	2.7±	0.2
400ppm	5	2.0±	0.2**
800ppm	0	-	

Significant difference ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

(HCL070)

BAIS 5

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrjCrj [F344/DuCrj]
 MEASURE TIME : 1
 SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
 ALL ANIMALS (3W)

Group Name	NO. of Animals	WBC		Differential		WBC (%)		MONO	EOSINO	BASO	OTHER	
		10 ⁹ /μl		NEUTRO		LYMPHO						
Control	5	3.62 ± 0.77		23 ± 4		74 ± 4		2 ± 0	1 ± 0	0 ± 0	1 ± 0	0
50ppm	5	3.84 ± 0.58		25 ± 3		71 ± 4		2 ± 0	1 ± 0	0 ± 0	1 ± 0	0
100ppm	5	4.43 ± 0.88		25 ± 9		72 ± 9		2 ± 1	1 ± 0	0 ± 0	1 ± 0	0
200ppm	5	3.19 ± 0.74		25 ± 4		72 ± 5		2 ± 0	1 ± 0	0 ± 0	1 ± 0	0
400ppm	5	4.53 ± 0.48		35 ± 5**		61 ± 5**		3 ± 1	1 ± 0	0 ± 0	1 ± 0	0
800ppm	0	-		-		-		-	-	-	-	-

Significant difference ; * : P ≤ 0.05

** : P ≤ 0.01

Test of Dunnett

TABLE F2

HEMATOLOGY : FEMALE

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrjCrj [F344/DuCrj]
 MEASURE TIME : 1
 SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
 ALL ANIMALS (3W)

Group Name	NO. of Animals	RED BLOOD CELL 10 ⁶ /μl	HEMOGLOBIN g/dl	HEMATOCRIT %	MCV fl	MCH pg	MCHC g/dl	PLATELET 10 ⁹ /μl
Control	5	8.85 ± 0.14	16.2 ± 0.4	46.2 ± 0.7	52.2 ± 0.2	18.3 ± 0.2	35.2 ± 0.4	924 ± 57
50ppm	5	8.80 ± 0.17	16.2 ± 0.5	46.0 ± 0.7	52.2 ± 0.4	18.4 ± 0.3	35.3 ± 0.8	944 ± 57
100ppm	5	8.79 ± 0.31	16.1 ± 0.8	45.9 ± 1.3	52.2 ± 0.5	18.3 ± 0.4	35.0 ± 0.9	947 ± 65
200ppm	5	9.14 ± 0.18	16.8 ± 0.5	47.8 ± 0.9	52.3 ± 0.4	18.4 ± 0.3	35.2 ± 0.6	857 ± 72
400ppm	5	9.27 ± 0.26*	16.8 ± 0.6	48.1 ± 1.5*	51.8 ± 0.3	18.1 ± 0.3	34.9 ± 0.6	705 ± 45**
800ppm	0	-	-	-	-	-	-	-

Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01

Test of Dunnett

STUDY NO. : 0796
ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
MEASURE TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (3W)

Group Name	NO. of Animals	RETICULOCYTE %	
Control	5	1.7±	0.2
50ppm	5	1.6±	0.2
100ppm	5	1.8±	0.2
200ppm	5	1.8±	0.4
400ppm	5	1.5±	0.2
800ppm	0	-	

Significant difference ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrj [F344/DuCrj]
 MEASURE TIME : 1
 SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
 ALL ANIMALS (3W)

Group Name	NO. of Animals	WBC		Differential		WBC (%)		MONO	EOSINO	BASO	OTHER				
		$10^9/\mu\ell$		NEUTRO		LYMPHO									
Control	5	2.79±	0.81	21±	6	76±	6	2±	0	1±	1	0±	0	1±	0
50ppm	5	2.78±	0.58	23±	4	73±	4	2±	0	1±	0	0±	0	1±	0
100ppm	5	3.14±	0.95	20±	5	75±	4	2±	0	2±	1	0±	0	1±	1
200ppm	5	2.76±	0.73	21±	4	75±	3	2±	0	1±	1	0±	0	1±	0
400ppm	5	3.86±	0.86	32±	5**	64±	5**	2±	0	1±	0	0±	0	1±	0
800ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Significant difference : * : $P \leq 0.05$

** : $P \leq 0.01$

Test of Dunnett

TABLE G1

BIOCHEMISTRY : MALE

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCr1j]
 MEASURE. TIME : 1
 SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (3W)

Group Name	NO. of Animals	TOTAL PROTEIN g/dl		ALBUMIN g/dl		A/G RATIO		T-BILIRUBIN mg/dl		GLUCOSE mg/dl		T-CHOLESTEROL mg/dl		TRIGLYCERIDE mg/dl	
Control	5	5.8±	0.1	3.3±	0.0	1.3±	0.1	0.03±	0.00	143±	9	52±	2	28±	11
50ppm	5	5.7±	0.1	3.3±	0.1	1.3±	0.1	0.03±	0.01	144±	10	50±	3	26±	5
100ppm	5	5.8±	0.2	3.3±	0.1	1.3±	0.1	0.03±	0.00	149±	10	51±	3	29±	6
200ppm	5	5.9±	0.1	3.4±	0.1	1.4±	0.0	0.04±	0.01	156±	6	50±	3	25±	12
400ppm	5	5.9±	0.2	3.3±	0.1	1.3±	0.1	0.04±	0.01	140±	10	63±	6**	14±	4
800ppm	0	-		-		-		-		-		-		-	

Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01

Test of Dunnett

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 MEASURE TIME : 1
 SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (3W)

Group Name	NO. of Animals	PHOSPHOLIPID mg/dl		AST U/L		ALT U/L		LDH U/L		ALP U/L		G-GTP U/L		CK U/L	
Control	5	99±	6	70±	2	33±	2	84±	27	1156±	87	0.5±	0.3	192±	21
50ppm	5	99±	3	71±	1	32±	2	94±	40	1117±	22	0.4±	0.2	202±	25
100ppm	5	98±	6	68±	2	31±	1	98±	49	1081±	43	0.5±	0.2	200±	32
200ppm	5	100±	4	70±	2	31±	2	97±	23	1061±	63*	0.5±	0.2	187±	21
400ppm	5	122±	11**	84±	11*	42±	6	110±	43	868±	29**	1.0±	0.2**	203±	29
800ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Significant difference ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 MEASURE TIME : 1
 SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (3W)

Group Name	NO. of Animals	UREA NITROGEN mg/dl		CREATININE mg/dl		SODIUM mEq/l		POTASSIUM mEq/l		CHLORIDE mEq/l		CALCIUM mg/dl		INORGANIC PHOSPHORUS mg/dl	
Control	5	15.7±	0.6	0.25±	0.02	141±	3	3.6±	0.2	103±	2	10.4±	0.3	7.9±	0.4
50ppm	5	16.1±	1.7	0.25±	0.02	143±	1	3.7±	0.3	105±	1	10.4±	0.3	8.1±	0.4
100ppm	5	16.8±	0.6	0.25±	0.01	143±	1	3.8±	0.4	104±	1	10.4±	0.2	8.4±	0.5
200ppm	5	17.0±	1.6	0.23±	0.02	143±	1	3.8±	0.4	105±	1	10.1±	0.1	8.0±	1.0
400ppm	5	15.2±	1.7	0.22±	0.02*	142±	2	3.7±	0.2	105±	1	10.0±	0.2	7.5±	0.7
800ppm	0	-		-		-		-		-		-		-	

Significant difference ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

TABLE G2

BIOCHEMISTRY : FEMALE

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 MEASURE TIME : 1
 SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (3W)

Group Name	NO. of Animals	TOTAL PROTEIN g/dl		ALBUMIN g/dl		A/G RATIO		T-BILIRUBIN mg/dl		GLUCOSE mg/dl		T-CHOLESTEROL mg/dl		TRIGLYCERIDE mg/dl	
Control	5	5.9±	0.2	3.4±	0.1	1.4±	0.1	0.04±	0.01	130±	11	62±	6	10±	2
50ppm	5	5.9±	0.2	3.4±	0.1	1.4±	0.1	0.04±	0.01	123±	8	63±	4	10±	2
100ppm	5	5.7±	0.2	3.3±	0.1	1.4±	0.1	0.04±	0.01	138±	10	62±	6	10±	3
200ppm	5	5.8±	0.2	3.4±	0.1	1.4±	0.0	0.04±	0.01	129±	6	68±	7	10±	2
400ppm	5	5.9±	0.2	3.2±	0.2	1.2±	0.1	0.05±	0.01*	123±	12	67±	12	13±	2
800ppm	0	-		-		-		-		-		-		-	

Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01

Test of Dunnett

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 MEASURE. TIME : 1
 SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (3W)

Group Name	NO. of Animals	PHOSPHOLIPID mg/dl		AST U/L		ALT U/L		LDH U/L		ALP U/L		G-GTP U/L		CK U/L	
Control	5	120±	9	71±	4	28±	3	122±	35	891±	46	1.0±	0.2	181±	25
50ppm	5	118±	5	72±	3	28±	2	117±	56	912±	86	1.0±	0.3	172±	32
100ppm	5	117±	7	69±	5	30±	6	113±	39	903±	32	1.0±	0.2	182±	34
200ppm	5	128±	12	74±	4	32±	5	128±	57	899±	63	1.1±	0.4	196±	45
400ppm	5	136±	19	91±	10**	34±	7	153±	32	809±	21	1.4±	0.3	185±	22
800ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01

Test of Dunnett

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 MEASURE. TIME : 1
 SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
 ALL ANIMALS (3W)

Group Name	NO. of Animals	UREA NITROGEN mg/dl		CREATININE mg/dl		SODIUM mEq/l		POTASSIUM mEq/l		CHLORIDE mEq/l		CALCIUM mg/dl		INORGANIC PHOSPHORUS mg/dl	
Control	5	17.0±	1.0	0.27±	0.01	142±	2	3.7±	0.3	106±	2	10.2±	0.2	7.3±	0.6
50ppm	5	16.5±	1.1	0.26±	0.02	142±	1	3.7±	0.3	106±	1	10.2±	0.3	7.5±	0.9
100ppm	5	18.5±	1.3	0.27±	0.02	142±	1	3.7±	0.3	106±	1	10.2±	0.2	7.2±	0.9
200ppm	5	16.3±	0.8	0.26±	0.02	142±	2	3.7±	0.3	105±	1	10.1±	0.4	7.2±	1.0
400ppm	5	15.2±	1.3	0.23±	0.01**	142±	2	3.8±	0.3	106±	2	10.0±	0.2	7.4±	0.5
800ppm	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01 Test of Dunnett

TABLE H1

GROSS FINDINGS : MALE

STUDY NO. : 0796
ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0- 3W)

Organ	Findings	Group Name NO. of Animals	Control							
			5	(%)	5	(%)				
stomach	gas		0	(0)	0	(0)	0	(0)	0	(0)
small intes	gas		0	(0)	0	(0)	0	(0)	0	(0)
liver	herniation		0	(0)	1	(20)	1	(20)	0	(0)
eye	turbid		0	(0)	0	(0)	0	(0)	0	(0)

STUDY NO. : 0796
ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0- 3W)

Organ	Findings	Group Name NO. of Animals	400ppm		800ppm	
			5	(%)	5	(%)
stomach	gas		0	(0)	4	(80)
small intes	gas		0	(0)	3	(60)
liver	herniation		0	(0)	1	(20)
eye	turbid		4	(80)	5	(100)

TABLE H2

GROSS FINDINGS : FEMALE

STUDY NO. : 0796
ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0- 3W)

Organ	Findings	Group Name NO. of Animals	Control	50ppm	100ppm	200ppm
			5 (%)	5 (%)	5 (%)	5 (%)
stomach	gas		0 (0)	0 (0)	0 (0)	0 (0)
small intes	gas		0 (0)	0 (0)	0 (0)	0 (0)
large intes	gas		0 (0)	0 (0)	0 (0)	0 (0)
liver	herniation		1 (20)	0 (0)	1 (20)	0 (0)
eye	turbid		0 (0)	0 (0)	0 (0)	0 (0)

STUDY NO. : 0796
ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0- 3W)

Organ	Findings	Group Name NO. of Animals	400ppm		800ppm	
			5	(%)	5	(%)
stomach	gas		0	(0)	2	(40)
small intes	gas		0	(0)	1	(20)
large intes	gas		0	(0)	1	(20)
liver	herniation		1	(20)	2	(40)
eye	turbid		3	(60)	5	(100)

TABLE I1

ORGAN WEIGHT, ABSOLUTE : MALE

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE
 UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
 SURVIVAL ANIMALS (3W)

Group Name	NO. of Animals	Body Weight		THYMUS		ADRENALS		TESTES		HEART		LUNGS	
Control	5	162±	5	0.295±	0.026	0.049±	0.004	2.358±	0.109	0.630±	0.016	0.721±	0.020
50ppm	5	158±	7	0.287±	0.032	0.046±	0.001	2.434±	0.178	0.617±	0.032	0.712±	0.056
100ppm	5	157±	7	0.289±	0.021	0.048±	0.007	2.423±	0.047	0.627±	0.063	0.732±	0.049
200ppm	5	139±	7**	0.244±	0.020**	0.050±	0.004	2.346±	0.062	0.597±	0.025	0.677±	0.029
400ppm	5	106±	6**	0.127±	0.018**	0.053±	0.007	2.114±	0.114**	0.502±	0.011**	0.665±	0.077
800ppm	0	-	-	-	-	-	-	-	-	-	-	-	-

Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01

Test of Dunnett

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCr1j]
 REPORT TYPE : A1
 SEX : MALE
 UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
 SURVIVAL ANIMALS (3W)

Group Name	NO. of Animals	KIDNEYS		SPLEEN		LIVER		BRAIN	
Control	5	1.303±	0.050	0.394±	0.033	4.898±	0.258	1.750±	0.028
50ppm	5	1.285±	0.042	0.380±	0.021	4.721±	0.244	1.705±	0.034
100ppm	5	1.298±	0.071	0.394±	0.015	4.813±	0.188	1.736±	0.037
200ppm	5	1.209±	0.080	0.331±	0.032**	4.152±	0.204**	1.695±	0.034
400ppm	5	1.069±	0.072**	0.239±	0.030**	3.315±	0.125**	1.645±	0.053**
800ppm	0	-	-	-	-	-	-	-	-

Significant difference ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

TABLE I2

ORGAN WEIGHT, ABSOLUTE : FEMALE

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCr1j]
 REPORT TYPE : A1
 SEX : FEMALE
 UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
 SURVIVAL ANIMALS (3W)

Group Name	NO. of Animals	Body Weight		THYMUS		ADRENALS		OVARIES		HEART		LUNGS	
Control	5	114±	3	0.246±	0.023	0.054±	0.005	0.088±	0.011	0.473±	0.029	0.584±	0.044
50ppm	5	112±	3	0.249±	0.032	0.055±	0.006	0.088±	0.013	0.486±	0.039	0.591±	0.065
100ppm	5	111±	3	0.270±	0.033	0.055±	0.005	0.090±	0.015	0.474±	0.031	0.614±	0.031
200ppm	5	102±	3**	0.225±	0.017	0.057±	0.007	0.087±	0.015	0.471±	0.010	0.595±	0.044
400ppm	5	88±	3**	0.142±	0.015**	0.056±	0.002	0.071±	0.014	0.432±	0.025	0.602±	0.015
800ppm	0	-	-	-	-	-	-	-	-	-	-	-	-

Significant difference ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE
 UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
 SURVIVAL ANIMALS (3W)

Group Name	NO. of Animals	KIDNEYS		SPLEEN		LIVER		BRAIN	
Control	5	0.987±	0.028	0.303±	0.022	3.429±	0.114	1.631±	0.025
50ppm	5	0.994±	0.046	0.289±	0.017	3.458±	0.127	1.633±	0.039
100ppm	5	0.983±	0.044	0.297±	0.016	3.435±	0.257	1.645±	0.032
200ppm	5	0.961±	0.058	0.273±	0.026	3.166±	0.213	1.623±	0.038
400ppm	5	0.940±	0.025	0.207±	0.024**	2.832±	0.136**	1.561±	0.042*
800ppm	0	-	-	-	-	-	-	-	-

Significant difference ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

TABLE J1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCr1j]
 REPORT TYPE : A1
 SEX : MALE
 UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
 SURVIVAL ANIMALS (3W)

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	TESTES	HEART	LUNGS
Control	5	162 ± 5	0.183 ± 0.014	0.030 ± 0.003	1.457 ± 0.035	0.389 ± 0.013	0.446 ± 0.015
50ppm	5	158 ± 7	0.181 ± 0.020	0.029 ± 0.001	1.535 ± 0.061	0.389 ± 0.012	0.449 ± 0.020
100ppm	5	157 ± 7	0.185 ± 0.019	0.031 ± 0.005	1.543 ± 0.060	0.399 ± 0.039	0.466 ± 0.039
200ppm	5	139 ± 7**	0.176 ± 0.017	0.036 ± 0.003	1.690 ± 0.055**	0.430 ± 0.016*	0.488 ± 0.025**
400ppm	5	106 ± 6**	0.119 ± 0.014**	0.050 ± 0.006**	1.993 ± 0.112**	0.473 ± 0.029**	0.628 ± 0.079**
800ppm	0	-	-	-	-	-	-

Significant difference ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE
 UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
 SURVIVAL ANIMALS (3W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	5	0.805 ± 0.010	0.243 ± 0.014	3.026 ± 0.086	1.082 ± 0.019
50ppm	5	0.812 ± 0.020	0.240 ± 0.010	2.980 ± 0.063	1.078 ± 0.058
100ppm	5	0.826 ± 0.034	0.251 ± 0.012	3.064 ± 0.100	1.106 ± 0.059
200ppm	5	0.869 ± 0.017**	0.238 ± 0.014	2.987 ± 0.043	1.221 ± 0.063**
400ppm	5	1.007 ± 0.052**	0.225 ± 0.032	3.123 ± 0.062	1.552 ± 0.097**
800ppm	0	-	-	-	-

Significant difference ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

TABLE J2

ORGAN WEIGHT, RELATIVE : FEMALE

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCr1j]
 REPORT TYPE : A1
 SEX : FEMALE
 UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
 SURVIVAL ANIMALS (3W)

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	OVARIES	HEART	LUNGS
Control	5	114± 3	0.215± 0.020	0.048± 0.004	0.077± 0.008	0.415± 0.028	0.512± 0.036
50ppm	5	112± 3	0.222± 0.026	0.049± 0.005	0.078± 0.010	0.433± 0.036	0.527± 0.053
100ppm	5	111± 3	0.243± 0.025	0.050± 0.004	0.081± 0.012	0.427± 0.016	0.555± 0.027
200ppm	5	102± 3**	0.220± 0.014	0.056± 0.008*	0.085± 0.014	0.462± 0.006**	0.584± 0.039*
400ppm	5	88± 3**	0.161± 0.012**	0.064± 0.003**	0.081± 0.014	0.492± 0.013**	0.687± 0.031**
800ppm	0	-	-	-	-	-	-

Significant difference ; * : $P \leq 0.05$ ** : $P \leq 0.01$

Test of Dunnett

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE
 UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
 SURVIVAL ANIMALS (3W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	5	0.866 ± 0.024	0.266 ± 0.020	3.008 ± 0.069	1.432 ± 0.049
50ppm	5	0.886 ± 0.024	0.258 ± 0.014	3.081 ± 0.067	1.456 ± 0.060
100ppm	5	0.886 ± 0.020	0.269 ± 0.015	3.098 ± 0.152	1.486 ± 0.062
200ppm	5	0.942 ± 0.054**	0.267 ± 0.020	3.102 ± 0.136	1.591 ± 0.026**
400ppm	5	1.071 ± 0.029**	0.235 ± 0.019*	3.225 ± 0.055	1.780 ± 0.061**
800ppm	0	-	-	-	-

Significant difference ; * : P ≤ 0.05 ** : P ≤ 0.01

Test of Dunnett

TABLE K1

**HISTOPATHOLOGICAL FINDINGS :
NON-NEOPLASTIC LESIONS : MALE
ALL ANIMALS**

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	Control				50ppm				100ppm				200ppm				
		No. of Animals on Study				5				5				5				
		Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Respiratory system)																		
nasal cavit																		
	desquamation:olfactory epithelium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	squamous cell metaplasia:respiratory epithelium		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(20)	(0)	(0)	(0)
	ulcer:olfactory epithelium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	hyperplasia:transitional epithelium		0	0	0	0	1	0	0	0	4	0	0	0	5	0	0	0
			(0)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(80)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	inflammatory infiltration:respiratory epithelium		0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(60)	(0)	(0)	(0)
	inflammatory infiltration:olfactory epithelium		0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(80)	(0)	(0)	(0)
	regeneration:transitional epithelium		0	0	0	0	0	0	5	0	0	0	5	0	0	0	5	0
			(0)	(0)	(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)
	squamous cell metaplasia:transitional epithelium		0	0	0	0	0	0	0	0	2	0	0	0	4	1	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(40)	(0)	(0)	(0)	(80)	(20)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	400ppm				800ppm			
		1+	2+	3+	4+	1+	2+	3+	4+
Group Name No. of Animals on Study		5				5			
Grade		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
[Respiratory system]									
nasal cavit									
	desquamation:olfactory epithelium	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)
	squamous cell metaplasia:respiratory epithelium	3 (60)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	ulcer:olfactory epithelium	3 (60)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hyperplasia:transitional epithelium	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	inflammtory infiltration:respiratory epithelium	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	inflammatory infiltration:olfactory epithelium	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	regeneration:transitional epithelium	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	squamous cell metaplasia:transitional epithelium	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCr1j]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	Control				50ppm				100ppm				200ppm			
		No. of Animals on Study				5				5				5			
		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Respiratory system)																	
nasal cavit																	
	regeneration:respiratory epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(100)	(0)
	regeneration:olfactory epithelium	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	necrosis:transitional epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	atrophy:olfactory epithelium	0	0	0	0	0	0	0	0	0	4	0	0	0	0	5	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(80)	(0)	(0)	(0)	(0)	(100)	(0)
	necrosis:olfactory epithelium	0	0	0	0	4	0	0	0	0	5	0	0	0	0	5	0
		(0)	(0)	(0)	(0)	(80)	(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(0)	(100)	(0)
	exudate:respiratory region	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(60)	(0)	(0)	(0)
	exudate:olfactory region	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(80)	(0)	(0)	(0)
	exudate:neutrophil leukocyte.respiratory region	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	400ppm				800ppm			
		1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
		5				5			
		No. of Animals on Study				Grade			
		Grade				Grade			
		1+ 2+ 3+ 4+				1+ 2+ 3+ 4+			
		(%) (%) (%) (%)				(%) (%) (%) (%)			
[Respiratory system]									
nasal cavit									
	regeneration:respiratory epithelium	< 5>				< 5>			
		0	5	0	0	0	0	0	0
		(0)	(100)	(0)	(0)	(0)	(0)	(0)	(0)
	regeneration:olfactory epithelium	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	necrosis:transitional epithelium	0	0	5	0	0	0	0	0
		(0)	(0)	(100)	(0)	(0)	(0)	(0)	(0)
	atrophy:olfactory epithelium	0	0	5	0	0	0	0	0
		(0)	(0)	(100)	(0)	(0)	(0)	(0)	(0)
	necrosis:olfactory epithelium	0	0	5	0	0	0	5	0
		(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)
	exudate:respiratory region	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	exudate:olfactory region	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	exudate:neutrophil leukocyte, respiratory region	4	1	0	0	0	0	5	0
		(80)	(20)	(0)	(0)	(0)	(0)	(100)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	Group Name No. of Animals on Study Grade	Control 5				50ppm 5				100ppm 5				200ppm 5			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Respiratory system}																		
nasal cavit	exudate:neutrophil leukocyte, olfactory region		< 5>				< 5>				< 5>				< 5>			
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
				0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	desquamation:transitional epithelium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	desquamation:respiratory epithelium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammatory infiltration:transitional epithelium		0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(60)	(0)	(0)	(0)
nasopharynx	inflammatory infiltration		< 5>				< 5>				< 5>				< 5>			
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
		regeneration:epithelium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(100)	(0)
	necrosis:epithelium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	squamous cell metaplasia:epithelium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	400ppm				800ppm			
		1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
(Respiratory system)									
nasal cavit	exudate:neutrophil leukocyte, olfactory region	1 (20)	4 (80)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)
	desquamation:transitional epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)
	desquamation:respiratory epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)
	inflammatory infiltration:transitional epithelium	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
nasopharynx	inflammatory infiltration	4 (80)	0 (0)	1 (20)	0 (0)	2 (40)	3 (60)	0 (0)	0 (0)
	regeneration:epithelium	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	necrosis:epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	4 (80)	1 (20)
	squamous cell metaplasia:epithelium	4 (80)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	Group Name No. of Animals on Study Grade	Control 5				50ppm 5				100ppm 5				200ppm 5			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Respiratory system}																		
larynx																		
	desquamation:epithelium		< 5>				< 5>				< 5>				< 5>			
			0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
	inflammatory infiltration		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (40)	0 (0)	0 (0)
	hyperplasia:epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
	regeneration:epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)
	necrosis:epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
trachea																		
	desquamation:epithelium		< 5>				< 5>				< 5>				< 5>			
			0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	inflammatory infiltration		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)
	regeneration:epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)
Grade	1+ : Slight	2+ : Moderate	3+ : Marked	4+ : Severe														
< a >	a : Number of animals examined at the site																	
b	b : Number of animals with lesion																	
(c)	c : b / a * 100																	

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	400ppm				800ppm			
		No. of Animals on Study		Grade		No. of Animals on Study		Grade	
		1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
[Respiratory system]									
larynx									
	desquamation:epithelium	1 (20)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	inflammatory infiltration	1 (20)	4 (80)	0 (0)	0 (0)	0 (0)	4 (80)	1 (20)	0 (0)
	hyperplasia:epithelium	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	regeneration:epithelium	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	necrosis:epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	4 (80)	1 (20)
trachea									
	desquamation:epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3 (60)
	inflammatory infiltration	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	4 (80)	1 (20)	0 (0)
	regeneration:epithelium	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	Control				50ppm				100ppm				200ppm			
		No. of Animals on Study				No. of Animals on Study				No. of Animals on Study				No. of Animals on Study			
		5				5				5				5			
		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
[Respiratory system]																	
trachea	necrosis:epithelium	< 5>				< 5>				< 5>				< 5>			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
lung	congestion	< 5>				< 5>				< 5>				< 5>			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	edema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	hyperplasia:epithelium, bronchus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	necrosis:epithelium, bronchus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	desquamation:epithelium, bronchus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	regeneration:epithelium, bronchus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	atrophy: BALT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	400ppm				800ppm			
		1+	2+	3+	4+	1+	2+	3+	4+
Group Name		5				5			
No. of Animals on Study		5				5			
Grade		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
[Respiratory system]									
trachea	necrosis:epithelium	0 (0)	1 (20)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (40)
lung	congestion	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	4 (80)	0 (0)
	edema	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)
	hyperplasia:epithelium, bronchus	2 (40)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	necrosis:epithelium, bronchus	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	desquamation:epithelium, bronchus	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (20)	4 (80)	0 (0)
	regeneration:epithelium, bronchus	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	atrophy:BALT	5 (100)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	Control				50ppm				100ppm				200ppm			
		No. of Animals on Study				No. of Animals on Study				No. of Animals on Study				No. of Animals on Study			
		5				5				5				5			
		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Digestive system)																	
liver																	
	herniation	1	< 5>	0	0	1	< 5>	0	0	1	< 5>	0	0	0	0	0	0
		(20)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	vacuolic change:central	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
(Urinary system)																	
kidney																	
	tubular necrosis:proximal tubule	0	< 5>	0	0	0	< 5>	0	0	0	< 5>	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
(Special sense organs/appendage)																	
eye																	
	keratitis	0	< 5>	0	0	0	< 5>	0	0	0	< 5>	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	iritis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	400ppm				800ppm			
		1+	2+	3+	4+	1+	2+	3+	4+

(Digestive system)

		400ppm				800ppm			
		5				5			
Grade	No. of Animals on Study	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
liver	herniation	0 (0)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	0 (0)
	vacuolic change:central	0 (0)	0 (0)	0 (0)	0 (0)	4 (80)	1 (20)	0 (0)	0 (0)

(Urinary system)

		400ppm				800ppm			
		< 5>				< 5>			
Grade	No. of Animals on Study	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
kidney	tubular necrosis:proximal tubule	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)

(Special sense organs/appendage)

		400ppm				800ppm			
		< 5>				< 5>			
Grade	No. of Animals on Study	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
eye	keratitis	2 (40)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	iritis	1 (20)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrIj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	Group Name No. of Animals on Study	Control				50ppm				100ppm				200ppm			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
[Special sense organs/appendage]																		
eye			< 5>				< 5>				< 5>				< 5>			
	degeneration:cornea		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
	erosion:cornea		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	Group Name No. of Animals on Study	400ppm				800ppm			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)

(Special sense organs/appendage)

eye			< 5>				< 5>			
	degeneration:cornea	3 (60)	0 (0)	0 (0)	0 (0)	3 (60)	0 (0)	0 (0)	0 (0)	
	erosion:cornea	0 (0)	0 (0)	0 (0)	0 (0)	2 (40)	0 (0)	0 (0)	0 (0)	

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

TABLE K2

**HISTOPATHOLOGICAL FINDINGS :
NON-NEOPLASTIC LESIONS : MALE
DEAD AND MORIBUND ANIMALS**

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0- 3W)

Organ	Findings	Group Name No. of Animals on Study Grade	Control 0				50ppm 0				100ppm 0				200ppm 0			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
[Respiratory system]																		
nasal cavit			< 0>				< 0>				< 0>				< 0>			
	desquamation:olfactory epithelium		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	necrosis:olfactory epithelium		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	exudate:neutrophil leukocyte, respiratory region		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	exudate:neutrophil leukocyte, olfactory region		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	desquamation:transitional epithelium		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	desquamation:respiratory epithelium		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
nasopharynx			< 0>				< 0>				< 0>				< 0>			
	inflammatory infiltration		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	necrosis:epithelium		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCr1j]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0- 3W)

Organ	Findings	Group Name No. of Animals on Study Grade	400ppm				800ppm			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
[Respiratory system]										
nasal cavit										
	desquamation:olfactory epithelium		< 0>				< 5>			
			-	-	-	-	5	0	0	0
			(-)	(-)	(-)	(-)	(100)	(0)	(0)	(0)
	necrosis:olfactory epithelium		-	-	-	-	0	0	5	0
			(-)	(-)	(-)	(-)	(0)	(0)	(100)	(0)
	exudate:neutrophil leukocyte, respiratory region		-	-	-	-	0	0	5	0
			(-)	(-)	(-)	(-)	(0)	(0)	(100)	(0)
	exudate:neutrophil leukocyte, olfactory region		-	-	-	-	0	0	5	0
			(-)	(-)	(-)	(-)	(0)	(0)	(100)	(0)
	desquamation:transitional epithelium		-	-	-	-	0	0	0	5
			(-)	(-)	(-)	(-)	(0)	(0)	(0)	(100)
	desquamation:respiratory epithelium		-	-	-	-	0	0	5	0
			(-)	(-)	(-)	(-)	(0)	(0)	(100)	(0)
nasopharynx										
	inflammatory infiltration		< 0>				< 5>			
			-	-	-	-	2	3	0	0
			(-)	(-)	(-)	(-)	(40)	(60)	(0)	(0)
	necrosis:epithelium		-	-	-	-	0	0	4	1
			(-)	(-)	(-)	(-)	(0)	(0)	(80)	(20)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0- 3W)

Organ	Findings	Control				50ppm				100ppm				200ppm			
		No. of Animals on Study				No. of Animals on Study				No. of Animals on Study				No. of Animals on Study			
		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
[Respiratory system]																	
larynx	inflammatory infiltration	< 0 >				< 0 >				< 0 >				< 0 >			
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	necrosis:epithelium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
trachea	desquamation:epithelium	< 0 >				< 0 >				< 0 >				< 0 >			
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	inflammatory infiltration	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	necrosis:epithelium	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
lung	congestion	< 0 >				< 0 >				< 0 >				< 0 >			
		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	edema	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrIcRij [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0- 3W)

Organ	Findings	400ppm				800ppm			
		1+	2+	3+	4+	1+	2+	3+	4+
		0				5			
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Respiratory system)									
larynx	inflammatory infiltration	< 0>				< 5>			
		(-)	(-)	(-)	(-)	(0)	(80)	(20)	(0)
	necrosis:epithelium	(-)	(-)	(-)	(-)	(0)	(0)	(80)	(20)
trachea	desquamation:epithelium	< 0>				< 5>			
		(-)	(-)	(-)	(-)	(0)	(0)	(0)	(60)
	inflammatory infiltration	(-)	(-)	(-)	(-)	(0)	(80)	(20)	(0)
	necrosis:epithelium	(-)	(-)	(-)	(-)	(0)	(0)	(0)	(40)
lung	congestion	< 0>				< 5>			
		(-)	(-)	(-)	(-)	(0)	(0)	(80)	(0)
	edema	(-)	(-)	(-)	(-)	(0)	(100)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0- 3W)

Organ	Findings	Group Name		Control				50ppm				100ppm				200ppm			
		No. of Animals on Study		0				0				0				0			
		Grade		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
(Respiratory system)																			
lung	desquamation:epithelium, bronchus		< 0 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	atrophy:BALT		< 0 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
(Digestive system)																			
liver	herniation		< 0 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	vacuolic change:central		< 0 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
(Urinary system)																			
kidney	tubular necrosis:proximal tubule		< 0 >	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrIcrlj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0- 3W)

Organ	Findings	400ppm				800ppm			
		1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
(Respiratory system)									
lung		< 0 >				< 5 >			
	desquamation:epithelium, bronchus	-	-	-	-	0	1	4	0
		(-)	(-)	(-)	(-)	(0)	(20)	(80)	(0)
	atrophy:BALT	-	-	-	-	5	0	0	0
		(-)	(-)	(-)	(-)	(100)	(0)	(0)	(0)
(Digestive system)									
liver		< 0 >				< 5 >			
	herniation	-	-	-	-	1	0	0	0
		(-)	(-)	(-)	(-)	(20)	(0)	(0)	(0)
	vacuolic change:central	-	-	-	-	4	1	0	0
		(-)	(-)	(-)	(-)	(80)	(20)	(0)	(0)
(Urinary system)									
kidney		< 0 >				< 5 >			
	tubular necrosis:proximal tubule	-	-	-	-	0	5	0	0
		(-)	(-)	(-)	(-)	(0)	(100)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0- 3W)

Organ	Findings	Group Name No. of Animals on Study	Control				50ppm				100ppm				200ppm			
			0				0				0				0			
			1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)		

(Special sense organs/appendage)

eye			< 0 >				< 0 >				< 0 >				< 0 >			
	degeneration:cornea		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	erosion:cornea		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0- 3W)

Organ	Findings	Group Name No. of Animals on Study	400ppm				800ppm			
			Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	Grade	1+ (%)	2+ (%)

(Special sense organs/appendage)

eye			< 0 >				< 5 >			
	degeneration:cornea		-	-	-	-	3	0	0	0
			(-)	(-)	(-)	(-)	(60)	(0)	(0)	(0)
	erosion:cornea		-	-	-	-	2	0	0	0
			(-)	(-)	(-)	(-)	(40)	(0)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

TABLE K3

**HISTOPATHOLOGICAL FINDINGS :
NON-NEOPLASTIC LESIONS : MALE
SACRIFICED ANIMALS**

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrIcrlj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (3W)

Organ	Findings	Group Name No. of Animals on Study Grade	Control				50ppm				100ppm				200ppm			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
(Respiratory system)																		
nasal cavit																		
	squamous cell metaplasia:respiratory epithelium		< 5>				< 5>				< 5>				< 5>			
			0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (20)
	ulcer:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hyperplasia:transitional epithelium		0 (0)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	0 (0)	0 (0)	4 (80)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)
	inflammotry infiltration:respiratory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3 (60)	0 (0)
	inflammatory infiltration:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	4 (80)	0 (0)
	regeneration:transitional epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	5 (100)
	squamous cell metaplasia:transitional epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (40)	0 (0)	0 (0)	0 (0)	0 (0)	4 (80)	1 (20)
	regeneration:respiratory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (3W)

Organ	Findings	400ppm				800ppm				
		1+	2+	3+	4+	1+	2+	3+	4+	
		5				0				
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
(Respiratory system)										
nasal cavit										
		< 5>				< 0>				
	squamous cell metaplasia:respiratory epithelium	3 (60)	0 (0)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)	
	ulcer:olfactory epithelium	3 (60)	0 (0)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)	
	hyperplasia:transitional epithelium	5 (100)	0 (0)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)	
	inflammatory infiltration:respiratory epithelium	5 (100)	0 (0)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)	
	inflammatory infiltration:olfactory epithelium	5 (100)	0 (0)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)	
	regeneration:transitional epithelium	0 (0)	5 (100)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)	
	squamous cell metaplasia:transitional epithelium	5 (100)	0 (0)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)	
	regeneration:respiratory epithelium	0 (0)	5 (100)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)	

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (3W)

Organ	Findings	Control				50ppm				100ppm				200ppm			
		No. of Animals on Study				No. of Animals on Study				No. of Animals on Study				No. of Animals on Study			
		Grade				Grade				Grade				Grade			
		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
[Respiratory system]																	
nasal cavit		< 5>				< 5>				< 5>				< 5>			
	regeneration:olfactory epithelium	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	necrosis:transitional epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	atrophy:olfactory epithelium	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	5
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(80)	(0)	(0)	(0)	(0)	(0)	(100)
	necrosis:olfactory epithelium	0	0	0	0	4	0	0	0	0	5	0	0	0	0	0	5
		(0)	(0)	(0)	(0)	(80)	(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(0)	(0)	(100)
	exudate:respiratory region	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(60)	(0)	(0)	(0)
	exudate:olfactory region	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(80)	(0)	(0)	(0)
	exudate:neutrophil leukocyte, respiratory region	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	exudate:neutrophil leukocyte, olfactory region	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrIj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (3W)

Organ	Findings	400ppm				800ppm			
		No. of Animals on Study				No. of Animals on Study			
		5				0			
		1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Respiratory system)									
nasal cavit									
	regeneration:olfactory epithelium	< 5>				< 0>			
		0	0	0	0	-	-	-	-
		(0)	(0)	(0)	(0)	(-)	(-)	(-)	(-)
	necrosis:transitional epithelium	0	0	5	0	-	-	-	-
		(0)	(0)	(100)	(0)	(-)	(-)	(-)	(-)
	atrophy:olfactory epithelium	0	0	5	0	-	-	-	-
		(0)	(0)	(100)	(0)	(-)	(-)	(-)	(-)
	necrosis:olfactory epithelium	0	0	5	0	-	-	-	-
		(0)	(0)	(100)	(0)	(-)	(-)	(-)	(-)
	exudate:respiratory region	0	0	0	0	-	-	-	-
		(0)	(0)	(0)	(0)	(-)	(-)	(-)	(-)
	exudate:olfactory region	0	0	0	0	-	-	-	-
		(0)	(0)	(0)	(0)	(-)	(-)	(-)	(-)
	exudate:neutrophil leukocyte, respiratory region	4	1	0	0	-	-	-	-
		(80)	(20)	(0)	(0)	(-)	(-)	(-)	(-)
	exudate:neutrophil leukocyte, olfactory region	1	4	0	0	-	-	-	-
		(20)	(80)	(0)	(0)	(-)	(-)	(-)	(-)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (3W)

Organ	Findings	Control				50ppm				100ppm				200ppm			
		No. of Animals on Study				No. of Animals on Study				No. of Animals on Study				No. of Animals on Study			
Grade		5				5				5				5			
		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
[Respiratory system]																	
nasal cavit		< 5>				< 5>				< 5>				< 5>			
	inflammatory infiltration:transitional epithelium	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(60)	(0)	(0)	(0)
nasopharynx		< 5>				< 5>				< 5>				< 5>			
	inflammatory infiltration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	regeneration:epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(100)	(0)
	squamous cell metaplasia:epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
larynx		< 5>				< 5>				< 5>				< 5>			
	desquamation:epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammatory infiltration	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(40)	(0)	(0)	(0)
	hyperplasia:epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (3W)

Organ	Findings	400ppm				800ppm			
		No. of Animals on Study		Grade		No. of Animals on Study		Grade	
		1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
[Respiratory system]									
nasal cavit	inflammatory infiltration:transitional epithelium	< 5>				< 0>			
		0	0	5	0	-	-	-	-
		(0)	(0)	(100)	(0)	(-)	(-)	(-)	(-)
nasopharynx	inflammatory infiltration	< 5>				< 0>			
		4	0	1	0	-	-	-	-
		(80)	(0)	(20)	(0)	(-)	(-)	(-)	(-)
	regeneration:epithelium	0	5	0	0	-	-	-	-
	(0)	(100)	(0)	(0)	(-)	(-)	(-)	(-)	
	squamous cell metaplasia:epithelium	4	0	0	0	-	-	-	-
		(80)	(0)	(0)	(0)	(-)	(-)	(-)	(-)
larynx	desquamation:epithelium	< 5>				< 0>			
		1	0	0	0	-	-	-	-
		(20)	(0)	(0)	(0)	(-)	(-)	(-)	(-)
	inflammatory infiltration	1	4	0	0	-	-	-	-
		(20)	(80)	(0)	(0)	(-)	(-)	(-)	(-)
	hyperplasia:epithelium	5	0	0	0	-	-	-	-
		(100)	(0)	(0)	(0)	(-)	(-)	(-)	(-)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (3W)

Organ	Findings	Control				50ppm				100ppm				200ppm				
		No. of Animals on Study				No. of Animals on Study				No. of Animals on Study				No. of Animals on Study				
		5				5				5				5				
		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
(Respiratory system)																		
larynx	regeneration:epithelium	< 5>				< 5>				< 5>				< 5>				
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(100)	(0)	(0)
trachea	inflammatory infiltration	< 5>				< 5>				< 5>				< 5>				
		0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(20)	(0)	(0)	
	regeneration:epithelium	< 5>				< 5>				< 5>				< 5>				
		0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(100)	(0)	(0)	
	necrosis:epithelium	< 5>				< 5>				< 5>				< 5>				
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
lung	hyperplasia:epithelium, bronchus	< 5>				< 5>				< 5>				< 5>				
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
	necrosis:epithelium, bronchus	< 5>				< 5>				< 5>				< 5>				
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
	regeneration:epithelium, bronchus	< 5>				< 5>				< 5>				< 5>				
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrIj [F344/DuCrIj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (3W)

Organ	Findings	400ppm				800ppm				
		1+	2+	3+	4+	1+	2+	3+	4+	
		5				0				
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
(Respiratory system)										
larynx	regeneration:epithelium	< 5>				< 0>				
		0 (0)	5 (100)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)	
trachea	inflammatory infiltration	< 5>				< 0>				
		5 (100)	0 (0)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)	
	regeneration:epithelium	< 5>				< 0>				
		0 (0)	5 (100)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)	
necrosis:epithelium	< 5>				< 0>					
	0 (0)	1 (20)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)		
lung	hyperplasia:epithelium, bronchus	< 5>				< 0>				
		2 (40)	0 (0)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)	
	necrosis:epithelium, bronchus	< 5>				< 0>				
5 (100)		0 (0)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)		
regeneration:epithelium, bronchus	< 5>				< 0>					
	0 (0)	5 (100)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)		

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrIcrlj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (3W)

Organ	Findings	Control				50ppm				100ppm				200ppm			
		No. of Animals on Study				5				5				5			
Grade		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Respiratory system)																	
lung	atrophy:BALT	< 5>				< 5>				< 5>				< 5>			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
(Digestive system)																	
liver	herniation	< 5>				< 5>				< 5>				< 5>			
		1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
		(20)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
(Special sense organs/appendage)																	
eye	keratitis	< 5>				< 5>				< 5>				< 5>			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	iritis	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	degeneration:cornea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrIj [F344/DuCrIj]
 REPORT TYPE : A1
 SEX : MALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (3W)

Organ	Findings	Group Name No. of Animals on Study	400ppm				800ppm				
			Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
(Respiratory system)											
lung	atrophy:BALT			< 5>					< 0>		
		5	0	0	0	0	-	-	-	-	
		(100)	(0)	(0)	(0)	(0)	(-)	(-)	(-)	(-)	
(Digestive system)											
liver	herniation			< 5>					< 0>		
		0	0	0	0	0	-	-	-	-	
		(0)	(0)	(0)	(0)	(0)	(-)	(-)	(-)	(-)	
(Special sense organs/appendage)											
eye	keratitis			< 5>					< 0>		
		2	0	0	0	0	-	-	-	-	
		(40)	(0)	(0)	(0)	(0)	(-)	(-)	(-)	(-)	
	iritis										
		1	0	0	0	0	-	-	-	-	
		(20)	(0)	(0)	(0)	(0)	(-)	(-)	(-)	(-)	
	degeneration:cornea										
		3	0	0	0	0	-	-	-	-	
		(60)	(0)	(0)	(0)	(0)	(-)	(-)	(-)	(-)	

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

TABLE K4

**HISTOPATHOLOGICAL FINDINGS :
NON-NEOPLASTIC LESIONS : FEMALE
ALL ANIMALS**

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	Group Name No. of Animals on Study Grade	Control				50ppm				100ppm				200ppm			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
(Respiratory system)																		
nasal cavit																		
	desquamation:olfactory epithelium		< 5>				< 5>				< 5>				< 5>			
			0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
	squamous cell metaplasia:respiratory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
	ulcer:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
	hyperplasia:transitional epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (40)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	
	inflammatory infiltration:respiratory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	
	inflammatory infiltration:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	
	regeneration:transitional epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	
	squamous cell metaplasia:transitional epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	0 (0)	2 (40)	1 (20)	0 (0)	0 (0)	

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	400ppm				800ppm			
		No. of Animals on Study				No. of Animals on Study			
		5				5			
		1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
[Respiratory system]									
nasal cavit									
	desquamation:olfactory epithelium	< 5>				< 5>			
		0	0	0	0	5	0	0	0
		(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	squamous cell metaplasia:respiratory epithelium	4	1	0	0	0	0	0	0
		(80)	(20)	(0)	(0)	(0)	(0)	(0)	(0)
	ulcer:olfactory epithelium	1	0	0	0	0	0	0	0
		(20)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	hyperplasia:transitional epithelium	5	0	0	0	0	0	0	0
		(100)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammtory infiltration:respiratory epithelium	5	0	0	0	0	0	0	0
		(100)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammatory infiltration:olfactory epithelium	3	2	0	0	0	0	0	0
		(60)	(40)	(0)	(0)	(0)	(0)	(0)	(0)
	regeneration:transitional epithelium	0	5	0	0	0	0	0	0
		(0)	(100)	(0)	(0)	(0)	(0)	(0)	(0)
	squamous cell metaplasia:transitional epithelium	5	0	0	0	0	0	0	0
		(100)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrIcIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	Group Name No. of Animals on Study Grade	Control				50ppm				100ppm				200ppm			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
[Respiratory system]																		
nasal cavit																		
	regeneration:respiratory epithelium		< 5>				< 5>				< 5>				< 5>			
			0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	
	regeneration:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
	necrosis:transitional epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
	atrophy:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	
	necrosis:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	5 (100)	0 (0)		
	exudate:respiratory region		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3 (60)	0 (0)	0 (0)	
	exudate:neutrophil leukocyte.respiratory region		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
	exudate:neutrophil leukocyte.olfactory region		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	400ppm				800ppm				
		No. of Animals on Study				No. of Animals on Study				
		1+	2+	3+	4+	1+	2+	3+	4+	
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
[Respiratory system]										
nasal cavit										
	regeneration:respiratory epithelium	0	< 5>	0	0	0	< 5>	0	0	
		(0)	(100)	(0)	(0)	(0)	(0)	(0)	(0)	
	regeneration:olfactory epithelium	0	0	0	0	0	0	0	0	
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
	necrosis:transitional epithelium	0	0	5	0	0	0	0	0	
		(0)	(0)	(100)	(0)	(0)	(0)	(0)	(0)	
	atrophy:olfactory epithelium	0	0	5	0	0	0	0	0	
		(0)	(0)	(100)	(0)	(0)	(0)	(0)	(0)	
	necrosis:olfactory epithelium	0	0	5	0	0	0	5	0	
		(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	
	exudate:respiratory region	0	0	0	0	0	0	0	0	
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
	exudate:neutrophil leukocyte, respiratory region	5	0	0	0	0	0	5	0	
		(100)	(0)	(0)	(0)	(0)	(0)	(100)	(0)	
	exudate:neutrophil leukocyte, olfactory region	0	4	1	0	0	0	5	0	
		(0)	(80)	(20)	(0)	(0)	(0)	(100)	(0)	

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrIj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	Group Name No. of Animals on Study Grade	Control 5				50ppm 5				100ppm 5				200ppm 5				
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	
[Respiratory system]																			
nasal cavit	desquamation:transitional epithelium		< 5>				< 5>				< 5>				< 5>				
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
	desquamation:respiratory epithelium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
	inflammatory infiltration:transitional epithelium		0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	
nasopharynx	inflammatory infiltration		< 5>				< 5>				< 5>				< 5>				
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
		regeneration:epithelium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0
				(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(100)	(0)
	necrosis:epithelium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
	squamous cell metaplasia:epithelium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	
larynx	desquamation:epithelium		< 5>				< 5>				< 5>				< 5>				
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	400ppm				800ppm			
		1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
[Respiratory system]									
nasal cavit		< 5>				< 5>			
	desquamation:transitional epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)
	desquamation:respiratory epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)
	inflammatory infiltration:transitional epithelium	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
nasopharynx		< 5>				< 5>			
	inflammatory infiltration	2 (40)	2 (40)	1 (20)	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)
	regeneration:epithelium	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	necrosis:epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)
	squamous cell metaplasia:epithelium	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
larynx		< 5>				< 5>			
	desquamation:epithelium	2 (40)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrIcrlj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	Control				50ppm				100ppm				200ppm			
		No. of Animals on Study				5				5				5			
Grade		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Respiratory system)																	
larynx																	
	inflammatory infiltration	< 5>				< 5>				< 5>				< 5>			
		0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(40)	(0)	(0)	(0)
	hyperplasia:epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	regeneration:epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(100)	(0)	(0)
	necrosis:epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
trachea																	
	desquamation:epithelium	< 5>				< 5>				< 5>				< 5>			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammatory infiltration	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(20)	(0)	(0)
	regeneration:epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(80)	(0)	(0)
lung																	
	congestion	< 5>				< 5>				< 5>				< 5>			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrIcRlj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	400ppm				800ppm			
		1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
(Respiratory system)									
larynx	inflammatory infiltration	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)
	hyperplasia:epithelium	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	regeneration:epithelium	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	necrosis:epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)
trachea	desquamation:epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)
	inflammatory infiltration	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	2 (40)	3 (60)	0 (0)
	regeneration:epithelium	0 (0)	5 (100)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
lung	congestion	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	Control				50ppm				100ppm				200ppm			
		No. of Animals on Study				No. of Animals on Study				No. of Animals on Study				No. of Animals on Study			
		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
(Respiratory system)																	
lung		< 5>				< 5>				< 5>				< 5>			
	edema	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	necrosis:epithelium, bronchus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	desquamation:epithelium, bronchus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	regeneration:epithelium, bronchus	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	atrophy:BALT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
(Digestive system)																	
liver		< 5>				< 5>				< 5>				< 5>			
	herniation	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
		(20)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(40)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	vacuolic change:central	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrIcrlj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	400ppm				800ppm					
		Grade	1+	2+	3+	4+	Grade	1+	2+	3+	4+
(Respiratory system)											
lung	edema		< 5>					< 5>			
			0	0	0	0	0	5	0	0	0
			(0)	(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	necrosis:epithelium, bronchus		3	0	0	0	0	0	0	0	0
			(60)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	desquamation:epithelium, bronchus		0	0	0	0	0	0	5	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(100)	(0)	(0)
	regeneration:epithelium, bronchus		0	5	0	0	0	0	0	0	0
			(0)	(100)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	atrophy:BALT		5	0	0	0	5	0	0	0	0
			(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(0)
(Digestive system)											
liver	herniation		< 5>					< 5>			
			1	0	0	0	1	0	0	0	0
			(20)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(0)
	vacuolic change:central		0	0	0	0	4	0	0	0	0
			(0)	(0)	(0)	(0)	(80)	(0)	(0)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	Control				50ppm				100ppm				200ppm			
		No. of Animals on Study				5				5				5			
		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}																	
kidney	tubular necrosis:proximal tubule	< 5>				< 5>				< 5>				< 5>			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Special sense organs/appendage}																	
eye	iritis	< 5>				< 5>				< 5>				< 5>			
		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	degeneration:cornea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	erosion:cornea	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrIj [F344/DuCrIj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 ALL ANIMALS (0- 3W)

Organ	Findings	400ppm				800ppm			
		1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
(Urinary system)									
kidney	tubular necrosis:proximal tubule	< 5>				< 5>			
		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)
(Special sense organs/appendage)									
eye	iritis	< 5>				< 5>			
		1 (20)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	0 (0)
	degeneration:cornea	4 (80)	0 (0)	0 (0)	0 (0)	4 (80)	0 (0)	0 (0)	0 (0)
	erosion:cornea	1 (20)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	0 (0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

TABLE K5

**HISTOPATHOLOGICAL FINDINGS :
NON-NEOPLASTIC LESIONS : FEMALE
DEAD AND MORIBUND ANIMALS**

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0- 3W)

Organ	Findings	Group Name No. of Animals on Study Grade	Control				50ppm				100ppm				200ppm			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
[Respiratory system]																		
nasal cavit	desquamation:olfactory epithelium		< 0>				< 0>				< 0>				< 0>			
			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	necrosis:olfactory epithelium		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	exudate:neutrophil leukocyte, respiratory region		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	exudate:neutrophil leukocyte, olfactory region		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	desquamation:transitional epithelium		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	desquamation:respiratory epithelium		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
nasopharynx	inflammatory infiltration		< 0>				< 0>				< 0>				< 0>			
			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	necrosis:epithelium		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
Grade	1+ : Slight	2+ : Moderate	3+ : Marked	4+ : Severe														
< a >	a : Number of animals examined at the site																	
b	b : Number of animals with lesion																	
(c)	c : b / a * 100.																	

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0- 3W)

Organ	Findings	400ppm				800ppm			
		1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
[Respiratory system]									
nasal cavit									
	desquamation:olfactory epithelium	-	< 0>	-	-	5	< 5>	0	0
		(-)	(-)	(-)	(-)	(100)	(0)	(0)	(0)
	necrosis:olfactory epithelium	-	-	-	-	0	0	5	0
		(-)	(-)	(-)	(-)	(0)	(0)	(100)	(0)
	exudate:neutrophil leukocyte, respiratory region	-	-	-	-	0	0	5	0
		(-)	(-)	(-)	(-)	(0)	(0)	(100)	(0)
	exudate:neutrophil leukocyte, olfactory region	-	-	-	-	0	0	5	0
		(-)	(-)	(-)	(-)	(0)	(0)	(100)	(0)
	desquamation:transitional epithelium	-	-	-	-	0	0	0	5
		(-)	(-)	(-)	(-)	(0)	(0)	(0)	(100)
	desquamation:respiratory epithelium	-	-	-	-	0	0	5	0
		(-)	(-)	(-)	(-)	(0)	(0)	(100)	(0)
nasopharynx									
	inflammatory infiltration	-	< 0>	-	-	5	< 5>	0	0
		(-)	(-)	(-)	(-)	(100)	(0)	(0)	(0)
	necrosis:epithelium	-	-	-	-	0	0	5	0
		(-)	(-)	(-)	(-)	(0)	(0)	(100)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrI CrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0- 3W)

Organ	Findings	Control				50ppm				100ppm				200ppm				
		No. of Animals on Study				No. of Animals on Study				No. of Animals on Study				No. of Animals on Study				
		0				0				0				0				
		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
(Respiratory system)																		
larynx	inflammatory infiltration	< 0 >				< 0 >				< 0 >				< 0 >				
		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	necrosis:epithelium	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
trachea	desquamation:epithelium	< 0 >				< 0 >				< 0 >				< 0 >				
		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	inflammatory infiltration	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
lung	congestion	< 0 >				< 0 >				< 0 >				< 0 >				
		(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	edema	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	desquamation:epithelium, bronchus	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrIj [F344/DuCrIj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0- 3W)

Organ	Findings	400ppm				800ppm			
		1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
(Respiratory system)									
larynx	inflammatory infiltration	< 0>				< 5>			
		-	-	-	-	0	0	5	0
		(-)	(-)	(-)	(-)	(0)	(0)	(100)	(0)
	necrosis:epithelium	< 0>				< 5>			
		-	-	-	-	0	0	5	0
		(-)	(-)	(-)	(-)	(0)	(0)	(100)	(0)
trachea	desquamation:epithelium	< 0>				< 5>			
		-	-	-	-	0	0	0	5
		(-)	(-)	(-)	(-)	(0)	(0)	(0)	(100)
	inflammatory infiltration	< 0>				< 5>			
		-	-	-	-	0	2	3	0
		(-)	(-)	(-)	(-)	(0)	(40)	(60)	(0)
lung	congestion	< 0>				< 5>			
		-	-	-	-	0	0	5	0
		(-)	(-)	(-)	(-)	(0)	(0)	(100)	(0)
	edema	< 0>				< 5>			
		-	-	-	-	0	5	0	0
		(-)	(-)	(-)	(-)	(0)	(100)	(0)	(0)
	desquamation:epithelium, bronchus	< 0>				< 5>			
		-	-	-	-	0	0	5	0
		(-)	(-)	(-)	(-)	(0)	(0)	(100)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0- 3W)

Organ	Findings	Group Name No. of Animals on Study Grade	Control				50ppm				100ppm				200ppm			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
(Respiratory system)																		
lung	atrophy:BALT		< 0>				< 0>					< 0>					< 0>	
			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
(Digestive system)																		
liver	herniation		< 0>				< 0>					< 0>					< 0>	
			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
	vacuolic change:central																	
			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
(Urinary system)																		
kidney	tubular necrosis:proximal tubule		< 0>				< 0>					< 0>					< 0>	
			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	
(Special sense organs/appendage)																		
eye	iritis		< 0>				< 0>					< 0>					< 0>	
			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0- 3W)

Organ	Findings	400ppm				800ppm			
		1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
(Respiratory system)									
lung	atrophy:BALT	< 0>				< 5>			
		-	-	-	-	5	0	0	0
		(-)	(-)	(-)	(-)	(100)	(0)	(0)	(0)
(Digestive system)									
liver	herniation	< 0>				< 5>			
		-	-	-	-	1	0	0	0
		(-)	(-)	(-)	(-)	(20)	(0)	(0)	(0)
	vacuolic change:central	-	-	-	-	4	0	0	0
		(-)	(-)	(-)	(-)	(80)	(0)	(0)	(0)
(Urinary system)									
kidney	tubular necrosis:proximal tubule	< 0>				< 5>			
		-	-	-	-	0	5	0	0
		(-)	(-)	(-)	(-)	(0)	(100)	(0)	(0)
(Special sense organs/appendage)									
eye	iritis	< 0>				< 5>			
		-	-	-	-	1	0	0	0
		(-)	(-)	(-)	(-)	(20)	(0)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0- 3W)

Organ	Findings	Group Name No. of Animals on Study	Control				50ppm				100ppm				200ppm			
			0				0				0				0			
			1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)		

{Special sense organs/appendage}

eye			< 0 >				< 0 >				< 0 >				< 0 >			
	degeneration:cornea		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)
	erosion:cornea		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
			(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)	(-)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCrIj [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 DEAD AND MORIBUND ANIMALS (0- 3W)

Organ	Findings	Group Name No. of Animals on Study	400ppm				800ppm			
			Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	Grade	1+ (%)	2+ (%)

(Special sense organs/appendage)

eye			< 0>				< 5>			
	degeneration:cornea		-	-	-	-	4	0	0	0
			(-)	(-)	(-)	(-)	(80)	(0)	(0)	(0)
	erosion:cornea		-	-	-	-	1	0	0	0
			(-)	(-)	(-)	(-)	(20)	(0)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

TABLE K6

**HISTOPATHOLOGICAL FINDINGS :
NON-NEOPLASTIC LESIONS : FEMALE
SACRIFICED ANIMALS**

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (3W)

Organ	Findings	Group Name No. of Animals on Study Grade	Control				50ppm				100ppm				200ppm			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
[Respiratory system]																		
nasal cavit																		
	squamous cell metaplasia:respiratory epithelium		< 5>				< 5>				< 5>				< 5>			
			0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
	ulcer:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
	hyperplasia:transitional epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (40)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	
	inflammatory infiltration:respiratory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	
	inflammatory infiltration:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	
	regeneration:transitional epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	5 (100)	0 (0)	0 (0)	
	squamous cell metaplasia:transitional epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (20)	0 (0)	0 (0)	0 (0)	0 (0)	2 (40)	1 (20)	0 (0)	
	regeneration:respiratory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (100)	

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (3W)

Organ	Findings	Group Name No. of Animals on Study	400ppm				800ppm			
			Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)
			5				0			
[Respiratory system]										
nasal cavit										
	squamous cell metaplasia:respiratory epithelium		4 (80)	1 (20)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)
	ulcer:olfactory epithelium		1 (20)	0 (0)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)
	hyperplasia:transitional epithelium		5 (100)	0 (0)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)
	inflammoty infiltration:respiratory epithelium		5 (100)	0 (0)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)
	inflammatory infiltration:olfactory epithelium		3 (60)	2 (40)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)
	regeneration:transitional epithelium		0 (0)	5 (100)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)
	squamous cell metaplasia:transitional epithelium		5 (100)	0 (0)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)
	regeneration:respiratory epithelium		0 (0)	5 (100)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (3W)

Organ	Findings	Control				50ppm				100ppm				200ppm				
		No. of Animals on Study				5				5				5				
		Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
[Respiratory system]																		
nasal cavit			< 5>				< 5>				< 5>				< 5>			
	regeneration:olfactory epithelium		0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	necrosis:transitional epithelium		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	atrophy:olfactory epithelium		0	0	0	0	0	0	0	0	5	0	0	0	0	0	5	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(0)	(0)	(100)	(0)
	necrosis:olfactory epithelium		0	0	0	0	5	0	0	0	0	5	0	0	0	0	5	0
			(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(0)	(100)	(0)
	exudate:respiratory region		0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(60)	(0)	(0)	(0)
	exudate:neutrophil leukocyte, respiratory region		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	exudate:neutrophil leukocyte, olfactory region		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammatory infiltration:transitional epithelium		0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (3W)

Organ	Findings	400ppm				800ppm				
		1+	2+	3+	4+	1+	2+	3+	4+	
		5				0				
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	
(Respiratory system)										
nasal cavit										
	regeneration:olfactory epithelium	0	0	0	0	-	-	-	-	
		(0)	(0)	(0)	(0)	(-)	(-)	(-)	(-)	
	necrosis:transitional epithelium	0	0	5	0	-	-	-	-	
		(0)	(0)	(100)	(0)	(-)	(-)	(-)	(-)	
	atrophy:olfactory epithelium	0	0	5	0	-	-	-	-	
		(0)	(0)	(100)	(0)	(-)	(-)	(-)	(-)	
	necrosis:olfactory epithelium	0	0	5	0	-	-	-	-	
		(0)	(0)	(100)	(0)	(-)	(-)	(-)	(-)	
	exudate:respiratory region	0	0	0	0	-	-	-	-	
		(0)	(0)	(0)	(0)	(-)	(-)	(-)	(-)	
	exudate:neutrophil leukocyte, respiratory region	5	0	0	0	-	-	-	-	
		(100)	(0)	(0)	(0)	(-)	(-)	(-)	(-)	
	exudate:neutrophil leukocyte, olfactory region	0	4	1	0	-	-	-	-	
		(0)	(80)	(20)	(0)	(-)	(-)	(-)	(-)	
	inflammatory infiltration:transitional epithelium	0	0	5	0	-	-	-	-	
		(0)	(0)	(100)	(0)	(-)	(-)	(-)	(-)	

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (3W)

Organ	Findings	Control				50ppm				100ppm				200ppm			
		No. of Animals on Study				No. of Animals on Study				No. of Animals on Study				No. of Animals on Study			
Grade		1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																	
nasopharynx																	
	inflammatory infiltration	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	regeneration:epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(100)	(0)
	squamous cell metaplasia:epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
larynx																	
	desquamation:epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammatory infiltration	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(40)	(0)	(0)	(0)
	hyperplasia:epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	regeneration:epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(100)	(0)	(0)
trachea																	
	inflammatory infiltration	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(20)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (3W)

Organ	Findings	400ppm				800ppm			
		1+	2+	3+	4+	1+	2+	3+	4+
[Respiratory system]									
nasopharynx	inflammatory infiltration	2 (40)	2 (40)	1 (20)	0 (0)	- (-)	- (-)	- (-)	- (-)
	regeneration:epithelium	0 (0)	5 (100)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)
	squamous cell metaplasia:epithelium	5 (100)	0 (0)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)
larynx	desquamation:epithelium	2 (40)	0 (0)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)
	inflammatory infiltration	5 (100)	0 (0)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)
	hyperplasia:epithelium	5 (100)	0 (0)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)
	regeneration:epithelium	0 (0)	5 (100)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)
trachea	inflammatory infiltration	5 (100)	0 (0)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (3W)

Organ	Findings	Group Name No. of Animals on Study	Control				50ppm				100ppm				200ppm			
			5				5				5				5			
Grade			1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
[Respiratory system]																		
trachea	regeneration:epithelium		< 5>				< 5>				< 5>				< 5>			
			0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(80)	(0)	(0)
lung	necrosis:epithelium, bronchus		< 5>				< 5>				< 5>				< 5>			
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	regeneration:epithelium, bronchus		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	atrophy:BALT		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
[Digestive system]																		
liver	herniation		< 5>				< 5>				< 5>				< 5>			
			1	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
			(20)	(0)	(0)	(0)	(0)	(0)	(0)	(40)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
[Special sense organs/appendage]																		
eye	iritis		< 5>				< 5>				< 5>				< 5>			
			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS : NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (3W)

Organ	Findings	400ppm				800ppm			
		1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
(Respiratory system)									
trachea	regeneration:epithelium	0 (0)	< 5> 5 (100)	0 (0)	0 (0)	- (-)	< 0> - (-)	- (-)	- (-)
lung	necrosis:epithelium, bronchus	3 (60)	< 5> 0 (0)	0 (0)	0 (0)	- (-)	< 0> - (-)	- (-)	- (-)
	regeneration:epithelium, bronchus	0 (0)	5 (100)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)
	atrophy:BALT	5 (100)	0 (0)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)
(Digestive system)									
liver	herniation	1 (20)	< 5> 0 (0)	0 (0)	0 (0)	- (-)	< 0> - (-)	- (-)	- (-)
(Special sense organs/appendage)									
eye	iritis	1 (20)	< 5> 0 (0)	0 (0)	0 (0)	- (-)	< 0> - (-)	- (-)	- (-)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (3W)

Organ	Findings	Group Name No. of Animals on Study	Control				50ppm				100ppm				200ppm			
			1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
		Grade	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
[Special sense organs/appendage]																		
eye			< 5>				< 5>				< 5>				< 5>			
	degeneration:cornea		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	erosion:cornea		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100

STUDY NO. : 0796
 ANIMAL : RAT F344/DuCr1Cr1j [F344/DuCrj]
 REPORT TYPE : A1
 SEX : FEMALE

HISTOPATHOLOGICAL FINDINGS :NON-NEOPLASTIC LESIONS (SUMMARY)
 SACRIFICED ANIMALS (3W)

Organ	Findings	Group Name No. of Animals on Study	400ppm				800ppm			
			1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)

(Special sense organs/appendage)

eye			< 5 >				< 0 >			
	degeneration:cornea		4 (80)	0 (0)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)
	erosion:cornea		1 (20)	0 (0)	0 (0)	0 (0)	- (-)	- (-)	- (-)	- (-)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
 < a > a : Number of animals examined at the site
 b : Number of animals with lesion
 (c) c : b / a * 100