酸化チタン（ナノ粒子、アナターゼ型）の
ラットを用いた吸入による 13 週間毒性試験報告書

試験番号：0863

TABLES

TABLES

TABLES (CONTINUED)

TABLE A

CONCENTRATIONS OF TITANIUM DIOXIDE IN THE INHALATION CHAMBER OF THE 13-WEEK INHALATION STUDY

CONCENTRATIONS OF TITANIUM DIOXIDE IN THE INHALATION CHAMBER OF THE 13-WEEK INHALATION STUDY

Group Name	Concentration(mg/m^3) Mean ± S.D.
Control	0.00 ± 0.00
6.3 mg/m^3	6.37 ± 0.29
12.5 mg/m^3	12.69 ± 0.87
25 mg/m^3	25.04 ± 1.56
50 mg/m^3	49.89 ± 2.88

TABLE B1

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0863 SURVIVAL ANIMAL NUMBERS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 13
SEX : MALE

Group Name	Animals At start	Administration (Weeks) 0	1	2	3	4	5	6	7	8	9	10	11	12	13
Control	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6.3 mg/m3	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12.5 mg/m3	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 mg/m3	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
50 mg/m3	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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

TABLE B2

SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0863 SURVIVAL ANIMAL NUMBERS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 13
SEX : FEMALE

Group Name	Animals At start	Administration (Weeks) 0	1	2	3	4	5	6	7	8	9	10	11	12	13
Control	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
6.3 mg/m3	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
12.5 mg/m3	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
25 mg/m3	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
50 mg/m3	10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10	10/10
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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

TABLE C1

CLINICAL OBSERVATION : MALE

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 13

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Administration Week-day 1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
NON REMARKABLE	Control	10	10	10	10	10	10	10	10	10	10	10	10	10
	6.3 mg/m3	10	10	10	10	10	10	10	10	10	10	10	10	10
	12.5 mg/m3	10	10	10	10	10	10	10	10	10	10	10	10	10
	25 mg/m3	10	10	10	10	10	10	10	10	10	10	10	10	10
	50 mg/m3	10	10	10	10	10	10	10	10	10	10	10	10	10

TABLE C2

CLINICAL OBSERVATION : FEMALE

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 13

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : FEMALE

Clinical sign	Group Name	Administration Week-day 1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7
NON REMARKABLE	Control	10	10	10	10	10	10	10	10	10	10	10	10	10
	6.3 mg/m3	10	10	10	10	10	10	10	10	10	10	10	10	10
	12.5 mg/m3	10	10	10	10	10	10	10	10	10	10	10	10	10
	25 mg/m3	10	10	10	10	10	10	10	10	10	10	10	10	10
	50 mg/m3	10	10	10	10	10	10	10	10	10	10	10	10	10

TABLE D1

BODY WEIGHT CHANGES AND

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0863 MEAN BODY WEIGHTS AND SURVIVAL
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

Week-Day on Study	Control Av.Wt.	Control No.of Surviv. <10>	6.3 mg/m3 Av.Wt.	6.3 mg/m3 % of cont. <10>	6.3 mg/m3 No.of Surviv.	12.5 mg/m3 Av.Wt.	12.5 mg/m3 % of cont. <10>	12.5 mg/m3 No.of Surviv.	25 mg/m3 Av.Wt.	25 mg/m3 % of cont. <10>	25 mg/m3 No.of Surviv.	50 mg/m3 Av.Wt.	50 mg/m3 % of cont. <10>	50 mg/m3 No.of Surviv.
0-0	119 (10)	10/10	119 (10)	100	10/10	118 (10)	99	10/10	119 (10)	100	10/10	119 (10)	100	10/10
1-7	145 (10)	10/10	142 (10)	98	10/10	144 (10)	99	10/10	144 (10)	99	10/10	142 (10)	98	10/10
2-7	172 (10)	10/10	171 (10)	99	10/10	171 (10)	99	10/10	169 (10)	98	10/10	167 (10)	97	10/10
3-7	195 (10)	10/10	194 (10)	99	10/10	194 (10)	99	10/10	195 (10)	100	10/10	191 (10)	98	10/10
4-7	213 (10)	10/10	211 (10)	99	10/10	214 (10)	100	10/10	214 (10)	100	10/10	212 (10)	100	10/10
5-7	228 (10)	10/10	226 (10)	99	10/10	230 (10)	101	10/10	228 (10)	100	10/10	228 (10)	100	10/10
6-7	239 (10)	10/10	239 (10)	100	10/10	242 (10)	101	10/10	244 (10)	102	10/10	242 (10)	101	10/10
7-7	250 (10)	10/10	250 (10)	100	10/10	256 (10)	102	10/10	255 (10)	102	10/10	253 (10)	101	10/10
8-7	260 (10)	10/10	260 (10)	100	10/10	268 (10)	103	10/10	266 (10)	102	10/10	265 (10)	102	10/10
9-7	271 (10)	10/10	269 (10)	99	10/10	277 (10)	102	10/10	276 (10)	102	10/10	274 (10)	101	10/10
10-7	275 (10)	10/10	277 (10)	101	10/10	285 (10)	104	10/10	284 (10)	103	10/10	283 (10)	103	10/10
11-7	283 (10)	10/10	283 (10)	100	10/10	290 (10)	102	10/10	290 (10)	102	10/10	291 (10)	103	10/10
12-7	287 (10)	10/10	291 (10)	101	10/10	298 (10)	104	10/10	297 (10)	103	10/10	298 (10)	104	10/10
13-7	294 (10)	10/10	297 (10)	101	10/10	305 (10)	104	10/10	305 (10)	104	10/10	305 (10)	104	10/10

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

TABLE D2

BODY WEIGHT CHANGES AND

SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0863 MEAN BODY WEIGHTS AND SURVIVAL
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

Week-Day on Study	Control Av.Wt.	Control No.of Surviv. <10>	6.3 mg/m3 Av.Wt.	6.3 mg/m3 % of cont. <10>	6.3 mg/m3 No.of Surviv.	12.5 mg/m3 Av.Wt.	12.5 mg/m3 % of cont. <10>	12.5 mg/m3 No.of Surviv.	25 mg/m3 Av.Wt.	25 mg/m3 % of cont. <10>	25 mg/m3 No.of Surviv.	50 mg/m3 Av.Wt.	50 mg/m3 % of cont. <10>	50 mg/m3 No.of Surviv.
0-0	97 (10)	10/10	98 (10)	101	10/10	97 (10)	100	10/10	98 (10)	101	10/10	98 (10)	101	10/10
1-7	112 (10)	10/10	111 (10)	99	10/10	111 (10)	99	10/10	110 (10)	98	10/10	109 (10)	97	10/10
2-7	125 (10)	10/10	122 (10)	98	10/10	124 (10)	99	10/10	121 (10)	97	10/10	119 (10)	95	10/10
3-7	132 (10)	10/10	131 (10)	99	10/10	133 (10)	101	10/10	132 (10)	100	10/10	131 (10)	99	10/10
4-7	141 (10)	10/10	138 (10)	98	10/10	141 (10)	100	10/10	140 (10)	99	10/10	138 (10)	98	10/10
5-7	147 (10)	10/10	145 (10)	99	10/10	147 (10)	100	10/10	147 (10)	100	10/10	143 (10)	97	10/10
6-7	152 (10)	10/10	150 (10)	99	10/10	152 (10)	100	10/10	153 (10)	101	10/10	149 (10)	98	10/10
7-7	154 (10)	10/10	154 (10)	100	10/10	156 (10)	101	10/10	156 (10)	101	10/10	153 (10)	99	10/10
8-7	158 (10)	10/10	158 (10)	100	10/10	161 (10)	102	10/10	160 (10)	101	10/10	157 (10)	99	10/10
9-7	161 (10)	10/10	161 (10)	100	10/10	164 (10)	102	10/10	164 (10)	102	10/10	159 (10)	99	10/10
10-7	166 (10)	10/10	165 (10)	99	10/10	167 (10)	101	10/10	167 (10)	101	10/10	162 (10)	98	10/10
11-7	167 (10)	10/10	168 (10)	101	10/10	171 (10)	102	10/10	170 (10)	102	10/10	165 (10)	99	10/10
12-7	171 (10)	10/10	171 (10)	100	10/10	173 (10)	101	10/10	174 (10)	102	10/10	167 (10)	98	10/10
13-7	172 (10)	10/10	173 (10)	101	10/10	177 (10)	103	10/10	174 (10)	101	10/10	171 (10)	99	10/10

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

TABLE D3

BODY WEIGHT CHANGES : MALE

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 0	1	2	3	4	5	6
Control	119± 4	145± 5	172± 7	195± 8	213± 12	228± 12	239± 14
6.3 mg/m3	119± 4	142± 5	171± 7	194± 9	211± 12	226± 13	239± 15
12.5 mg/m3	118± 4	144± 7	171± 10	194± 12	214± 13	230± 11	242± 12
25 mg/m3	119± 4	144± 5	169± 5	195± 6	214± 6	228± 6	244± 8
50 mg/m3	119± 3	142± 7	167± 8	191± 9	212± 10	228± 11	242± 12

Significant difference : ＊ : P ≦ 0.05 ＊＊ : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 7	8	9	10	11	12	13
Control	250± 15	260± 17	271± 18	275± 17	283± 18	287± 18	294± 21
6.3 mg/m3	250± 15	260± 17	269± 18	277± 19	283± 19	291± 21	297± 20
12.5 mg/m3	256± 14	268± 13	277± 13	285± 14	290± 13	298± 13	305± 13
25 mg/m3	255± 9	266± 11	276± 10	284± 11	290± 12	297± 14	305± 14
50 mg/m3	253± 12	265± 12	274± 11	283± 13	291± 14	298± 14	305± 15

Significant difference : ＊ : P ≦ 0.05 ＊＊ : P ≦ 0.01 Test of Dunnett

TABLE D4

BODY WEIGHT CHANGES : FEMALE

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 0	1	2	3	4	5	6
Control	97± 3	112± 3	125± 5	132± 4	141± 5	147± 6	152± 7
6.3 mg/m3	98± 3	111± 3	122± 4	131± 4	138± 5	145± 5	150± 6
12.5 mg/m3	97± 3	111± 4	124± 3	133± 4	141± 5	147± 5	152± 6
25 mg/m3	98± 3	110± 5	121± 5	132± 6	140± 7	147± 7	153± 7
50 mg/m3	98± 3	109± 4	119± 4*	131± 5	138± 5	143± 5	149± 5

Significant difference : * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 7	8	9	10	11	12	13
Control	154± 6	158± 7	161± 7	166± 8	167± 8	171± 8	172± 7
6.3 mg/m3	154± 8	158± 8	161± 9	165± 9	168± 10	171± 10	173± 9
12.5 mg/m3	156± 6	161± 7	164± 8	167± 8	171± 8	173± 7	177± 8
25 mg/m3	156± 8	160± 9	164± 10	167± 10	170± 11	174± 12	174± 12
50 mg/m3	153± 7	157± 7	159± 7	162± 5	165± 5	167± 5	171± 6

Significant difference : ＊ : P ≦ 0.05 ＊＊ : P ≦ 0.01 Test of Dunnett

TABLE E1

FOOD CONSUMPTION CHANGES AND

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

MEAN FOOD CONSUMPTION(FC) AND SURVIVAL

Week-Day on Study	Control Av.FC.	Control No.of Surviv. <10>	6.3 mg/m3 Av.FC.	6.3 mg/m3 % of cont. <10>	6.3 mg/m3 No.of Surviv.	12.5 mg/m3 Av.FC.	12.5 mg/m3 % of cont. <10>	12.5 mg/m3 No.of Surviv.	25 mg/m3 Av.FC.	25 mg/m3 % of cont. <10>	25 mg/m3 No.of Surviv.	50 mg/m3 Av.FC.	50 mg/m3 % of cont. <10>	50 mg/m3 No.of Surviv.
1-7	15.5 (10)	10/10	15.6 (10)	101	10/10	15.8 (10)	102	10/10	15.9 (10)	103	10/10	16.0 (10)	103	10/10
2-7	16.0 (10)	10/10	15.9 (10)	99	10/10	16.1 (10)	101	10/10	16.1 (10)	101	10/10	16.3 (10)	102	10/10
3-7	16.7 (10)	10/10	16.6 (10)	99	10/10	16.7 (10)	100	10/10	16.7 (10)	100	10/10	16.2 (10)	97	10/10
4-7	16.8 (10)	10/10	17.2 (10)	102	10/10	17.2 (10)	102	10/10	16.8 (10)	100	10/10	17.0 (10)	101	10/10
5-7	16.6 (10)	10/10	16.6 (10)	100	10/10	16.8 (10)	101	10/10	16.8 (10)	101	10/10	16.9 (10)	102	10/10
6-7	16.2 (10)	10/10	16.0 (10)	99	10/10	16.4 (10)	101	10/10	16.6 (10)	102	10/10	16.6 (10)	102	10/10
7-7	15.4 (10)	10/10	15.8 (10)	103	10/10	16.5 (10)	107	10/10	16.1 (10)	105	10/10	16.3 (10)	106	10/10
8-7	15.7 (10)	10/10	16.1 (10)	103	10/10	16.4 (10)	104	10/10	16.6 (10)	106	10/10	16.1 (10)	103	10/10
9-7	16.1 (10)	10/10	15.8 (10)	98	10/10	16.4 (10)	102	10/10	16.5 (10)	102	10/10	16.1 (10)	100	10/10
10-7	15.8 (10)	10/10	15.8 (10)	100	10/10	16.4 (10)	104	10/10	16.8 (10)	106	10/10	16.4 (10)	104	10/10
11-7	15.6 (10)	10/10	15.9 (10)	102	10/10	16.5 (10)	106	10/10	16.4 (10)	105	10/10	16.4 (10)	105	10/10
12-7	15.7 (10)	10/10	16.3 (10)	104	10/10	16.6 (10)	106	10/10	17.0 (10)	108	10/10	16.6 (10)	106	10/10
13-7	15.8 (10)	10/10	16.0 (10)	101	10/10	16.3 (10)	103	10/10	17.0 (10)	108	10/10	16.5 (10)	104	10/10

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

TABLE E2

FOOD CONSUMPTION CHANGES AND

SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

MEAN FOOD CONSUMPTION(FC) AND SURVIVAL

Week-Day on Study	Control Av.FC.	Control No.of Surviv. <10>	6.3 mg/m3 Av.FC.	6.3 mg/m3 % of cont. <10>	6.3 mg/m3 No.of Surviv.	12.5 mg/m3 Av.FC.	12.5 mg/m3 % of cont. <10>	12.5 mg/m3 No.of Surviv.	25 mg/m3 Av.FC.	25 mg/m3 % of cont. <10>	25 mg/m3 No.of Surviv.	50 mg/m3 Av.FC.	50 mg/m3 % of cont. <10>	50 mg/m3 No.of Surviv.
1-7	12.3 (10)	10/10	12.6 (10)	102	10/10	12.3 (10)	100	10/10	12.3 (10)	100	10/10	12.6 (10)	102	10/10
2-7	12.7 (10)	10/10	12.0 (10)	94	10/10	11.7 (10)	92	10/10	11.9 (10)	94	10/10	11.9 (10)	94	10/10
3-7	12.2 (10)	10/10	11.9 (10)	98	10/10	11.9 (10)	98	10/10	11.8 (10)	97	10/10	11.7 (10)	96	10/10
4-7	12.5 (10)	10/10	11.7 (10)	94	10/10	11.8 (10)	94	10/10	11.9 (10)	95	10/10	11.8 (10)	94	10/10
5-7	12.0 (10)	10/10	11.6 (10)	97	10/10	11.7 (10)	98	10/10	11.4 (10)	95	10/10	11.3 (10)	94	10/10
6-7	11.9 (10)	10/10	11.5 (10)	97	10/10	11.6 (10)	97	10/10	11.7 (10)	98	10/10	11.5 (10)	97	10/10
7-7	10.9 (10)	10/10	11.0 (10)	101	10/10	11.2 (10)	103	10/10	11.2 (10)	103	10/10	10.9 (10)	100	10/10
8-7	11.0 (10)	10/10	11.2 (10)	102	10/10	10.8 (10)	98	10/10	11.3 (10)	103	10/10	11.1 (10)	101	10/10
9-7	11.2 (10)	10/10	11.2 (10)	100	10/10	11.0 (10)	98	10/10	11.1 (10)	99	10/10	10.9 (10)	97	10/10
10-7	11.2 (10)	10/10	11.0 (10)	98	10/10	10.5 (10)	94	10/10	10.9 (10)	97	10/10	10.8 (10)	96	10/10
11-7	11.0 (10)	10/10	11.1 (10)	101	10/10	11.0 (10)	100	10/10	11.0 (10)	100	10/10	10.9 (10)	99	10/10
12-7	11.3 (10)	10/10	11.7 (10)	104	10/10	11.2 (10)	99	10/10	11.7 (10)	104	10/10	11.1 (10)	98	10/10
13-7	11.1 (10)	10/10	11.3 (10)	102	10/10	11.3 (10)	102	10/10	11.2 (10)	101	10/10	11.3 (10)	102	10/10

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

TABLE E3

FOOD CONSUMPTION CHANGES : MALE

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 1	2	3	4	5	6	7
Control	15.5± 0.6	16.0± 1.2	16.7± 1.0	16.8± 1.2	16.6± 1.5	16.2± 1.1	15.4± 0.9
6.3 mg/m3	15.6± 0.8	15.9± 0.9	16.6± 1.0	17.2± 1.2	16.6± 1.3	16.0± 0.7	15.8± 0.8
12.5 mg/m3	15.8± 1.0	16.1± 1.2	16.7± 1.5	17.2± 1.6	16.8± 1.2	16.4± 1.2	16.5± 1.1
25 mg/m3	15.9± 1.1	16.1± 0.7	16.7± 1.0	16.8± 0.8	16.8± 1.0	16.6± 0.8	16.1± 0.6
50 mg/m3	16.0± 0.9	16.3± 1.2	16.2± 1.4	17.0± 1.0	16.9± 0.8	16.6± 0.9	16.3± 1.0

Significant difference : ＊ : P ≦ 0.05 ＊＊ : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 8	9	10	11	12	13
Control	15.7± 1.2	16.1± 1.4	15.8± 1.3	15.6± 1.1	15.7± 1.1	15.8± 1.6
6.3 mg/m3	16.1± 0.9	15.8± 1.1	15.8± 1.2	15.9± 1.3	16.3± 1.3	16.0± 1.1
12.5 mg/m3	16.4± 1.0	16.4± 1.1	16.4± 1.1	16.5± 1.2	16.6± 1.0	16.3± 0.8
25 mg/m3	16.6± 0.5	16.5± 0.8	16.8± 0.7	16.4± 1.0	17.0± 0.9	17.0± 1.0
50 mg/m3	16.1± 0.7	16.1± 0.6	16.4± 0.8	16.4± 0.9	16.6± 0.8	16.5± 0.9

Significant difference : ＊ : P ≦ 0.05 ＊＊ : P ≦ 0.01 Test of Dunnett

TABLE E4

FOOD CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 1	2	3	4	5	6	7
Control	12.3± 0.5	12.7± 0.6	12.2± 0.5	12.5± 0.6	12.0± 0.6	11.9± 0.6	10.9± 0.8
6.3 mg/m3	12.6± 1.2	12.0± 0.7	11.9± 0.4	11.7± 0.4	11.6± 0.6	11.5± 0.6	11.0± 1.0
12.5 mg/m3	12.3± 0.6	11.7± 0.9**	11.9± 0.4	11.8± 0.4	11.7± 0.4	11.6± 0.7	11.2± 0.4
25 mg/m3	12.3± 0.5	11.9± 0.6*	11.8± 0.8	11.9± 1.0	11.4± 0.9	11.7± 1.1	11.2± 1.0
50 mg/m3	12.6± 0.7	11.9± 0.5*	11.7± 0.6	11.8± 0.3	11.3± 0.6	11.5± 0.7	10.9± 0.6

Significant difference : * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 13
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 8	9	10	11	12	13
Control	11.0± 0.7	11.2± 0.8	11.2± 0.6	11.0± 0.7	11.3± 0.6	11.1± 0.7
6.3 mg/m3	11.2± 1.2	11.2± 0.9	11.0± 1.0	11.1± 1.3	11.7± 1.6	11.3± 1.6
12.5 mg/m3	10.8± 1.0	11.0± 0.9	10.5± 0.9	11.0± 0.9	11.2± 0.5	11.3± 0.7
25 mg/m3	11.3± 1.1	11.1± 1.1	10.9± 0.8	11.0± 1.1	11.7± 1.1	11.2± 1.0
50 mg/m3	11.1± 1.1	10.9± 0.7	10.8± 0.5	10.9± 0.4	11.1± 0.5	11.3± 0.9

Significant difference : ＊ : P ≦ 0.05 ＊＊ : P ≦ 0.01 Test of Dunnett

TABLE F1

HEMATOLOGY : MALE

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	RED BLOOD CELL 10^6／μℓ	HEMOGLOBIN g／dℓ	HEMATOCRIT %	MCV f ℓ	MCH p g	MCHC g／dℓ	PLATELET 10^3／μℓ
Control	5	9.35± 0.20	15.4± 0.2	45.4± 0.6	48.5± 0.6	16.5± 0.2	33.9± 0.5	762± 31
6.3 mg/m3	5	9.18± 0.28	15.2± 0.6	44.8± 0.9	48.9± 0.6	16.5± 0.2	33.9± 0.7	719± 29
12.5 mg/m3	5	9.30± 0.17	15.3± 0.4	44.9± 0.8	48.3± 0.3	16.4± 0.2	34.0± 0.4	751± 42
25 mg/m3	5	9.37± 0.21	15.4± 0.3	45.5± 1.2	48.6± 0.5	16.5± 0.2	33.9± 0.6	773± 46
50 mg/m3	5	9.34± 0.09	15.3± 0.3	45.1± 0.6	48.3± 0.4	16.3± 0.2	33.9± 0.7	756± 65

Significant difference : ＊ : P ≦ 0.05 ＊＊ : P ≦ 0.01 Test of Dunnett

Group Name	NO. of Animals	RETICULOCYTE %	PROTHROMBIN TIME sec	APTT sec
Control	5	2.1± 0.1	12.3± 0.3	16.6± 0.6
6.3 mg/m3	5	2.2± 0.3	12.3± 0.4	17.0± 0.8
12.5 mg/m3	5	2.0± 0.1	12.4± 0.1	17.6± 0.6
25 mg/m3	5	2.2± 0.1	12.2± 0.1	17.3± 0.5
50 mg/m3	5	2.0± 0.2	12.3± 0.2	17.8± 0.6

Significant difference : * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : O863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	WBC $10^3/\mu\ell$	Differential WBC (%) NEUTRO	LYMPHO	MONO	EOSINO	BASO	OTHER
Control	5	4.50± 0.88	31.4± 5.2	64.6± 5.0	1.7± 0.2	1.1± 0.2	0.1± 0.1	1.1± 0.2
6.3 mg/m3	5	3.54± 0.49	34.6± 5.0	61.6± 5.0	1.6± 0.4	1.4± 0.1	0.1± 0.1	0.6± 0.3
12.5 mg/m3	5	3.64± 0.33	30.3± 4.2	65.4± 4.0	1.7± 0.2	1.4± 0.2*	0.1± 0.1	1.0± 0.2
25 mg/m3	5	4.01± 0.74	31.7± 4.6	64.2± 4.9	1.5± 0.3	1.5± 0.3*	0.1± 0.1	0.9± 0.2
50 mg/m3	5	3.69± 0.56	31.9± 0.7	63.6± 0.8	1.6± 0.5	1.8± 0.2**	0.1± 0.1	1.0± 0.3

Significant difference : * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE F2

HEMATOLOGY : FEMALE

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

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	8.61± 0.33	15.2± 0.6	43.9± 1.7	51.0± 0.5	17.7± 0.2	34.6± 0.7	793± 48
6.3 mg/m3	5	8.63± 0.17	15.2± 0.2	44.3± 1.0	51.3± 0.3	17.6± 0.3	34.3± 0.7	766± 42
12.5 mg/m3	5	8.54± 0.17	15.0± 0.4	44.0± 0.8	51.5± 0.3	17.5± 0.2	34.0± 0.5	799± 48
25 mg/m3	5	8.31± 0.21	14.8± 0.3	43.0± 1.1	51.7± 0.1*	17.7± 0.2	34.3± 0.5	788± 43
50 mg/m3	5	8.69± 0.47	15.5± 1.0	44.4± 2.2	51.1± 0.3	17.8± 0.3	34.8± 0.6	750± 62

Significant difference : * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

Group Name	NO. of Animals	RETICULOCYTE %	PROTHROMBIN TIME sec	APTT sec
Control	5	1.7± 0.1	11.9± 0.2	13.2± 0.9
6.3 mg/m3	5	1.9± 0.2	12.3± 0.3	13.6± 1.1
12.5 mg/m3	5	2.0± 0.2	12.2± 0.3	14.2± 0.6
25 mg/m3	5	1.9± 0.3	12.0± 0.5	13.3± 0.7
50 mg/m3	5	1.9± 0.2	12.1± 0.5	12.6± 1.3

Significant difference : * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	WBC $10^3/\mu\ell$		Differential WBC (%) NEUTRO		LYMPHO		MONO		EOSINO		BASO		OTHER	
Control	5	2.07±	0.56	25.0±	6.2	70.4±	6.6	2.0±	0.6	1.1±	0.2	0.3±	0.1	1.1±	0.1
6.3 mg/m3	5	1.80±	0.50	29.5±	7.0	65.7±	6.6	1.9±	0.3	1.5±	0.3	0.3±	0.2	1.0±	0.7
12.5 mg/m3	5	1.85±	0.43	26.8±	3.3	68.6±	3.1	1.9±	0.4	1.4±	0.3	0.1±	0.1	1.3±	0.8
25 mg/m3	5	1.98±	0.30	29.3±	5.0	65.8±	5.3	2.1±	0.4	1.7±	0.5	0.1±	0.1	0.9±	0.1
50 mg/m3	5	2.39±	0.84	30.1±	4.3	65.4±	4.2	1.7±	0.3	1.8±	0.5	0.2±	0.2	0.9±	0.4

Significant difference : ＊ : P ≦ 0.05 ＊＊ : P ≦ 0.01 Test of Dunnett

TABLE G1

BIOCHEMISTRY : MALE

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (14W)

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	6.1± 0.1	3.3± 0.1	1.2± 0.0	0.03± 0.00	202± 11	71± 6	62± 15
6.3 mg/m3	5	6.1± 0.2	3.3± 0.2	1.2± 0.1	0.03± 0.01	218± 13	68± 3	54± 7
12.5 mg/m3	5	6.1± 0.1	3.4± 0.1	1.2± 0.0	0.03± 0.01	214± 21	70± 4	53± 13
25 mg/m3	5	6.2± 0.1	3.3± 0.0	1.2± 0.0	0.03± 0.00	210± 15	70± 4	49± 9
50 mg/m3	5	6.1± 0.2	3.3± 0.1	1.2± 0.1	0.03± 0.01	215± 17	67± 5	59± 5

Significant difference : ＊ : P ≦ 0.05 ＊＊ : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (14W)

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	117± 7	102± 27	59± 12	122± 25	360± 23	0.7± 0.1	105± 14
6.3 mg/m3	5	116± 5	161± 45	78± 20	179± 51	373± 22	0.6± 0.1	119± 38
12.5 mg/m3	5	115± 6	126± 53	66± 19	131± 54	400± 45	0.7± 0.2	98± 16
25 mg/m3	5	115± 4	111± 37	57± 9	106± 40	390± 31	0.7± 0.1	105± 15
50 mg/m3	5	114± 5	90± 18	53± 10	90± 18	373± 22	0.6± 0.1	101± 13

Significant difference : ＊ : P ≦ 0.05 ＊＊ : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (14W)

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	20.6± 1.1	0.32± 0.03	142± 1	3.2± 0.1	103± 1	10.1± 0.1	5.6± 0.3
6.3 mg/m3	5	20.1± 1.3	0.33± 0.03	142± 1	3.1± 0.1	103± 1	9.9± 0.1	5.0± 0.4
12.5 mg/m3	5	21.5± 1.2	0.36± 0.02	142± 1	3.0± 0.1	102± 0	10.0± 0.2	5.2± 0.3
25 mg/m3	5	22.1± 1.2	0.35± 0.04	142± 0	3.0± 0.1	102± 1	9.9± 0.1	5.3± 0.2
50 mg/m3	5	20.1± 1.7	0.33± 0.03	142± 0	3.0± 0.2	102± 1	10.0± 0.2	5.1± 0.4

Significant difference : ＊ : P ≦ 0.05 ＊＊ : P ≦ 0.01 Test of Dunnett

TABLE G2

BIOCHEMISTRY : FEMALE

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	6.1± 0.1	3.4± 0.1	1.2± 0.1	0.03± 0.01	134± 6	79± 5	18± 3
6.3 mg/m3	5	6.2± 0.1	3.5± 0.1	1.3± 0.1	0.04± 0.01	137± 10	79± 9	15± 6
12.5 mg/m3	5	6.2± 0.1	3.5± 0.1	1.3± 0.1	0.03± 0.01	124± 9	83± 4	12± 2
25 mg/m3	5	6.1± 0.2	3.4± 0.1	1.2± 0.1	0.04± 0.01	131± 7	78± 9	16± 6
50 mg/m3	5	6.1± 0.2	3.4± 0.1	1.3± 0.0	0.03± 0.01	143± 4	84± 7	23± 5

Significant difference : ＊ : P ≦ 0.05 ＊＊ : P ≦ 0.01 Test of Dunnett

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (14W)

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	145± 9	60± 5	32± 8	62± 10	305± 31	0.9± 0.1	88± 13
6.3 mg/m3	5	140± 17	73± 9**	40± 9	73± 15	307± 15	1.1± 0.2	94± 7
12.5 mg/m3	5	149± 6	63± 4	28± 4	82± 26	293± 28	1.0± 0.2	101± 14
25 mg/m3	5	139± 15	63± 5	31± 3	93± 32	303± 44	1.0± 0.2	114± 25
50 mg/m3	5	149± 16	71± 4*	34± 5	121± 38**	326± 24	1.2± 0.3	138± 44

Significant difference : ＊ : P ≦ 0.05 ＊＊ : P ≦ 0.01 Test of Dunnett

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	19.0± 0.8	0.34± 0.02	143± 1	3.1± 0.1	104± 1	9.9± 0.1	5.5± 0.6
6.3 mg/m3	5	21.9± 1.8*	0.34± 0.03	143± 1	3.0± 0.1	105± 2	9.8± 0.3	4.6± 0.7
12.5 mg/m3	5	20.1± 1.6	0.35± 0.03	144± 1	3.1± 0.2	105± 1	9.8± 0.1	5.0± 0.4
25 mg/m3	5	21.0± 1.5	0.36± 0.02	144± 1	3.1± 0.2	105± 1	10.0± 0.2	6.0± 0.9
50 mg/m3	5	23.7± 0.8**	0.34± 0.04	143± 1	3.2± 0.2	104± 1	9.9± 0.3	6.2± 1.3

Significant difference : * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE H1

BALF : CYTOLOGICAL ANALYSIS, RELATIVE : MALE

STUDY NO. : 0863 BALF: CYTOLOGICAL ANALYSIS:RELATIVE (SUMMARY)
ANIMAL : RAT F344/DuCrlCrlj [F344/DuCrj] ALL ANIMALS (13W)
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

Group Name	NO. of Animals	TOTAL CELLS Cells ／μℓ	Differential BALF Cells (%) NEUTRO	LYMPHO	EOSINO	ALVEOLAR MACROPHAGE	OTHER
Control	5	330.00± 36.06	0.1± 0.1	0.1± 0.1	0.0± 0.0	99.9± 0.2	0.0± 0.0
6.3 mg/m^3	5	316.00± 43.36	0.1± 0.2	0.2± 0.4	0.0± 0.0	99.7± 0.4	0.0± 0.0
12.5 mg/m^3	5	332.00± 58.91	0.6± 0.3**	0.7± 1.0	0.0± 0.1	98.6± 1.4**	0.0± 0.0
25 mg/m^3	5	344.00± 42.19	3.6± 1.2**	1.1± 0.4**	0.0± 0.0	95.4± 1.5**	0.0± 0.0
50 mg/m^3	5	430.00± 27.39**	16.0± 2.4**	3.3± 1.5**	0.0± 0.0	80.7± 3.3**	0.0± 0.0

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

TABLE H2

BALF : CYTOLOGICAL ANALYSIS, RELATIVE : FEMALE

STUDY NO. : 0863 BALF: CYTOLOGICAL ANALYSIS:RELATIVE (SUMMARY)
ANIMAL : RAT F344/DuCrlCrlj [F344/DuCrj] ALL ANIMALS (13W)
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

Group Name	NO. of Animals	TOTAL CELLS Cells ／μℓ	Differential BALF Cells (%) NEUTRO	LYMPHO	EOSINO	ALVEOLAR MACROPHAGE	OTHER
Control	5	350.00± 59.58	0.0± 0.1	0.4± 0.3	0.0± 0.0	99.6± 0.3	0.0± 0.0
6.3 mg/m^3	5	308.00± 44.38	0.4± 0.3 *	0.5± 0.2	0.0± 0.0	99.1± 0.4 *	0.0± 0.0
12.5 mg/m^3	5	338.00± 69.79	1.8± 1.6 **	1.3± 1.1	0.0± 0.0	96.9± 2.6 **	0.0± 0.0
25 mg/m^3	5	368.00± 130.08	6.4± 1.6 **	2.5± 1.2 **	0.0± 0.0	91.1± 2.6 **	0.0± 0.0
50 mg/m^3	5	492.00± 82.28 *	41.0± 8.7 **	5.6± 1.0 **	0.0± 0.0	53.3± 9.1 **	0.0± 0.0

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

TABLE I1

BALF : CYTOLOGICAL ANALYSIS, ABSOLUTE : MALE

STUDY NO. : 0863 BALF: CYTOLOGICAL ANALYSIS:ABSOLUTE (SUMMARY)
ANIMAL : RAT F344/DuCrlCrlj [F344/DuCrj] ALL ANIMALS (13W)
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1 PAGE : 1

Group Name	NO. of Animals	TOTAL CELLS Cells ／μℓ	Differential BALF Cells (count ／μℓ) NEUTRO	LYMPHO	EOSINO	ALVEOLAR MACROPHAGE	OTHER
Control	5	330.00± 36.06	0.22± 0.30	0.23± 0.32	0.00± 0.00	329.56± 36.34	0.00± 0.00
6.3 mg/m^3	5	316.00± 43.36	0.34± 0.51	0.85± 1.65	0.00± 0.00	314.81± 42.38	0.00± 0.00
12.5 mg/m^3	5	332.00± 58.91	1.93± 0.71**	1.87± 2.31	0.08± 0.17	328.13± 61.63	0.00± 0.00
25 mg/m^3	5	344.00± 42.19	12.24± 4.16**	3.62± 1.31*	0.00± 0.00	328.14± 41.91	0.00± 0.00
50 mg/m^3	5	430.00± 27.39**	68.48± 9.59**	13.81± 5.82**	0.00± 0.00	347.71± 34.24	0.00± 0.00

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

TABLE I2

BALF : CYTOLOGICAL ANALYSIS, ABSOLUTE : FEMALE

STUDY NO. : 0863 BALF: CYTOLOGICAL ANALYSIS:ABSOLUTE (SUMMARY)
ANIMAL : RAT F344/DuCrlCrlj [F344/DuCrj] ALL ANIMALS (13W)
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

Group Name	NO. of Animals	TOTAL CELLS Cells ／μℓ	Differential BALF Cells (count ／μℓ) NEUTRO	LYMPHO	EOSINO	ALVEOLAR MACROPHAGE	OTHER
Control	5	350.00± 59.58	0.10± 0.22	1.49± 1.18	0.00± 0.00	348.41± 59.13	0.00± 0.00
6.3 mg/m^3	5	308.00± 44.38	1.19± 0.85*	1.55± 0.67	0.00± 0.00	305.26± 44.34	0.00± 0.00
12.5 mg/m^3	5	338.00± 69.79	6.00± 4.94**	4.81± 4.49	0.00± 0.00	327.19± 65.67	0.00± 0.00
25 mg/m^3	5	368.00± 130.08	22.33± 4.14**	8.48± 3.00**	0.00± 0.00	337.18± 128.49	0.00± 0.00
50 mg/m^3	5	492.00± 82.28*	202.86± 62.25**	28.25± 9.02**	0.00± 0.00	260.89± 54.86	0.00± 0.00

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

TABLE J1

BALF : BIOCHEMICAL ANALYSIS : MALE

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BALF:BIOCHEMICAL ANALYSIS (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	TOTAL PROTEIN ug/mL		ALBUMIN ug/mL		LDH U/L		ALP U/L		G-GTP U/L	
Control	5	63±	9	20±	3	24±	5	122±	22	1.4±	0.2
6.3 mg/m3	5	69±	9	23±	2	28±	4	135±	13	1.2±	0.1
12.5 mg/m3	5	77±	6*	24±	1*	30±	2*	119±	12	1.4±	0.3
25 mg/m3	5	77±	7*	23±	2	33±	1**	98±	12*	1.4±	0.3
50 mg/m3	5	105±	6**	30±	2**	60±	3**	106±	7	1.8±	0.2

Significant difference : * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE J2

BALF : BIOCHEMICAL ANALYSIS : FEMALE

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

BALF:BIOCHEMICAL ANALYSIS (SUMMARY)
ALL ANIMALS (14W)

Group Name	NO. of Animals	TOTAL PROTEIN ug/mL		ALBUMIN ug/mL		LDH U/L		ALP U/L		G-GTP U/L	
Control	5	77±	4	26±	1	30±	3	142±	9	1.8±	0.4
6.3 mg/m3	5	85±	10	29±	3	36±	2*	151±	8	1.8±	0.3
12.5 mg/m3	5	88±	6*	29±	1*	38±	5**	135±	13	1.5±	0.1
25 mg/m3	5	87±	4*	28±	2	42±	2**	116±	8**	2.0±	0.5
50 mg/m3	5	148±	19**	42±	4**	108±	16**	121±	11*	2.5±	0.5

Significant difference : * : P ≦ 0.05 ** : P ≦ 0.01 Test of Dunnett

TABLE K1

GROSS FINDINGS : MALE

STUDY NO. : O863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY)

Organ	Findings	Group Name / NO. of Animals	Control 10	(%)	6.3 mg/m3 10	(%)	12.5 mg/m3 10	(%)	25 mg/m3 10	(%)
lung	white zone		0	(0)	0	(0)	0	(0)	10	(100)
lymph node	white		0	(0)	0	(0)	0	(0)	7	(70)
liver	herniation		2	(20)	2	(20)	1	(10)	0	(0)

GROSS FINDINGS (SUMMARY)

Organ	Findings	Group Name / NO. of Animals	50 mg/m3 10	(%)
lung	white zone		10	(100)
lymph node	white		9	(90)
liver	herniation		1	(10)

TABLE K2

GROSS FINDINGS : FEMALE

Organ	Findings	Group Name / NO. of Animals	Control 10	(%)	6.3 mg/m3 10	(%)	12.5 mg/m3 10	(%)	25 mg/m3 10	(%)
lung	white zone		0	(0)	0	(0)	0	(0)	10	(100)
lymph node	white		0	(0)	0	(0)	0	(0)	6	(60)
liver	herniation		0	(0)	2	(20)	0	(0)	0	(0)

Organ	Findings	Group Name / NO. of Animals	50 mg/m3 10	(%)
lung	white zone		10	(100)
lymph node	white		10	(100)
liver	herniation		1	(10)

TABLE L1

ORGAN WEIGHT, ABSOLUTE : MALE

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	Body Weight	THYMUS	ADRENALS	TESTES	HEART	LUNGS
Control	10	272± 20	0.202± 0.034	0.051± 0.008	3.088± 0.084	0.815± 0.051	0.919± 0.067
6.3 mg/m3	10	275± 19	0.216± 0.026	0.053± 0.010	3.067± 0.152	0.838± 0.073	0.938± 0.093
12.5 mg/m3	10	281± 12	0.231± 0.060	0.051± 0.009	3.053± 0.090	0.839± 0.046	1.003± 0.053
25 mg/m3	10	282± 13	0.232± 0.027	0.056± 0.009	3.090± 0.175	0.839± 0.049	1.054± 0.023**
50 mg/m3	10	282± 14	0.231± 0.027	0.052± 0.009	3.119± 0.074	0.865± 0.055	1.050± 0.047*

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

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	10	1.679± 0.070	0.556± 0.043	6.563± 0.439	1.871± 0.050
6.3 mg/m3	10	1.711± 0.108	0.552± 0.035	6.628± 0.542	1.870± 0.027
12.5 mg/m3	10	1.716± 0.090	0.578± 0.028	6.786± 0.383	1.904± 0.047
25 mg/m3	10	1.733± 0.077	0.584± 0.030	6.823± 0.453	1.901± 0.023
50 mg/m3	10	1.741± 0.103	0.578± 0.047	6.873± 0.474	1.888± 0.036

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

TABLE L2

ORGAN WEIGHT, ABSOLUTE : FEMALE

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	Body Weight	THYMUS	ADRENALS	OVARIES	HEART	LUNGS
Control	10	156± 7	0.180± 0.021	0.057± 0.008	0.095± 0.017	0.566± 0.047	0.674± 0.062
6.3 mg/m3	10	157± 9	0.178± 0.022	0.058± 0.009	0.093± 0.014	0.569± 0.034	0.693± 0.032
12.5 mg/m3	10	159± 7	0.184± 0.021	0.055± 0.008	0.094± 0.021	0.565± 0.045	0.731± 0.044
25 mg/m3	10	159± 11	0.182± 0.019	0.055± 0.008	0.095± 0.016	0.574± 0.043	0.791± 0.021**
50 mg/m3	10	154± 5	0.186± 0.021	0.053± 0.004	0.086± 0.013	0.556± 0.033	0.791± 0.059**

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

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	10	1.077± 0.064	0.352± 0.029	3.756± 0.253	1.762± 0.061
6.3 mg/m3	10	1.099± 0.059	0.360± 0.025	3.723± 0.243	1.746± 0.024
12.5 mg/m3	10	1.091± 0.041	0.376± 0.038	3.818± 0.263	1.757± 0.070
25 mg/m3	10	1.105± 0.048	0.368± 0.028	3.823± 0.309	1.751± 0.060
50 mg/m3	10	1.088± 0.064	0.362± 0.025	3.737± 0.212	1.760± 0.039

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

TABLE M1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	TESTES	HEART	LUNGS
Control	10	272± 20	0.074± 0.011	0.019± 0.002	1.142± 0.075	0.301± 0.014	0.328± 0.019
6.3 mg/m3	10	275± 19	0.079± 0.008	0.019± 0.004	1.118± 0.079	0.305± 0.021	0.350± 0.032
12.5 mg/m3	10	281± 12	0.082± 0.020	0.018± 0.004	1.087± 0.050	0.298± 0.016	0.359± 0.010
25 mg/m3	10	282± 13	0.082± 0.008	0.020± 0.003	1.098± 0.080	0.298± 0.013	0.372± 0.013**
50 mg/m3	10	282± 14	0.082± 0.010	0.019± 0.004	1.106± 0.038	0.306± 0.010	0.373± 0.014**

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

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	10	0.620± 0.033	0.205± 0.011	2.419± 0.069	0.693± 0.056
6.3 mg/m3	10	0.622± 0.018	0.201± 0.004	2.407± 0.047	0.682± 0.042
12.5 mg/m3	10	0.611± 0.026	0.206± 0.014	2.413± 0.095	0.678± 0.039
25 mg/m3	10	0.615± 0.029	0.207± 0.009	2.417± 0.076	0.675± 0.029
50 mg/m3	10	0.617± 0.028	0.205± 0.010	2.433± 0.080	0.670± 0.028

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

TABLE M2

ORGAN WEIGHT, RELATIVE : FEMALE

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	OVARIES	HEART	LUNGS
Control	10	156± 7	0.115± 0.009	0.037± 0.005	0.061± 0.009	0.362± 0.022	0.423± 0.023
6.3 mg/m3	10	157± 9	0.114± 0.014	0.037± 0.006	0.060± 0.009	0.363± 0.022	0.439± 0.024
12.5 mg/m3	10	159± 7	0.116± 0.011	0.034± 0.004	0.059± 0.012	0.355± 0.024	0.459± 0.015
25 mg/m3	10	159± 11	0.114± 0.008	0.035± 0.006	0.060± 0.009	0.363± 0.016	0.486± 0.026**
50 mg/m3	10	154± 5	0.121± 0.011	0.034± 0.003	0.056± 0.008	0.361± 0.018	0.518± 0.027**

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

STUDY NO. : 0863
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (14W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	10	0.689± 0.024	0.225± 0.013	2.403± 0.121	1.128± 0.040
6.3 mg/m3	10	0.701± 0.036	0.229± 0.011	2.373± 0.054	1.116± 0.063
12.5 mg/m3	10	0.685± 0.028	0.235± 0.016	2.394± 0.098	1.103± 0.047
25 mg/m3	10	0.699± 0.040	0.232± 0.009	2.412± 0.102	1.108± 0.057
50 mg/m3	10	0.706± 0.030	0.235± 0.012	2.426± 0.100	1.144± 0.046

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

TABLE N1

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : MALE

Organ	Findings	Group Name / No. of Animals on Study / Grade	Control 10 1+ (%)	Control 10 2+ (%)	Control 10 3+ (%)	Control 10 4+ (%)	6.3 mg/m3 10 1+ (%)	6.3 mg/m3 10 2+ (%)	6.3 mg/m3 10 3+ (%)	6.3 mg/m3 10 4+ (%)	12.5 mg/m3 10 1+ (%)	12.5 mg/m3 10 2+ (%)	12.5 mg/m3 10 3+ (%)	12.5 mg/m3 10 4+ (%)	25 mg/m3 10 1+ (%)	25 mg/m3 10 2+ (%)	25 mg/m3 10 3+ (%)	25 mg/m3 10 4+ (%)
{Respiratory system}																		
nasal cavit			<10>				<10>				<10>				<10>			
	goblet cell hyperplasia		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (20)	0 (0)	0 (0)	0 (0)	6 (60)	0 (0)	0 (0)	0 * (0)
	eosinophilic change:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	10 (100)	0 (0)	0 (0)	0 ** (0)	10 (100)	0 (0)	0 (0)	0 ** (0)
	eosinophilic change:respiratory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	9 (90)	0 (0)	0 (0)	0 ** (0)	10 (100)	0 (0)	0 (0)	0 ** (0)
nasopharynx			<10>				<10>				<10>				<10>			
	goblet cell hyperplasia		0 (0)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)	2 (20)	0 (0)	0 (0)	0 (0)	8 (80)	0 (0)	0 (0)	0 ** (0)
	deposit of particle:lymphoid tissue		0 (0)	0 (0)	0 (0)	0 (0)	6 (60)	0 (0)	0 (0)	0 * (0)	7 (70)	0 (0)	0 (0)	0 ** (0)	6 (60)	0 (0)	0 (0)	0 * (0)
lung			<10>				<10>				<10>				<10>			
	osseous metaplasia		0 (0)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hyperplasia:alveolar epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)	5 (50)	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
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	50 mg/m3			
		No. of Animals on Study	10			
		Grade	1+	2+	3+	4+
			(%)	(%)	(%)	(%)
{Respiratory system}						
nasal cavit			<10>			
	goblet cell hyperplasia		10	0	0	0 **
			(100)	(0)	(0)	(0)
	eosinophilic change:olfactory epithelium		10	0	0	0 **
			(100)	(0)	(0)	(0)
	eosinophilic change:respiratory epithelium		10	0	0	0 **
			(100)	(0)	(0)	(0)
nasopharynx			<10>			
	goblet cell hyperplasia		10	0	0	0 **
			(100)	(0)	(0)	(0)
	deposit of particle:lymphoid tissue		9	0	0	0 **
			(90)	(0)	(0)	(0)
lung			<10>			
	osseous metaplasia		0	0	0	0
			(0)	(0)	(0)	(0)
	hyperplasia:alveolar epithelium		0	10	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   b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	Control				6.3 mg/m3				12.5 mg/m3				25 mg/m3			
		No. of Animals on Study	10				10				10				10			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Respiratory system}																		
lung			<10>				<10>				<10>				<10>			
	destruction of alveolar macrophage		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	deposit of particle:alveolar space,phagocytosed by alveolar macrophages		0 (0)	0 (0)	0 (0)	0 (0)	10 (100)	0 (0)	0 (0)	0 (0) **	10 (100)	0 (0)	0 (0)	0 (0) **	10 (100)	0 (0)	0 (0)	0 (0) **
	deposit of particle:bronchus-associated lymphoid tissue		0 (0)	0 (0)	0 (0)	0 (0)	6 (60)	0 (0)	0 (0)	0 (0) *	9 (90)	0 (0)	0 (0)	0 (0) **	9 (90)	0 (0)	0 (0)	0 (0) **
{Hematopoietic system}																		
lymph node			<10>				<10>				<10>				<10>			
	deposit of particle		0 (0)	0 (0)	0 (0)	0 (0)	3 (30)	0 (0)	0 (0)	0 (0)	6 (60)	0 (0)	0 (0)	0 (0) *	9 (90)	0 (0)	0 (0)	0 (0) **
{Circulatory system}																		
heart			<10>				<10>				<10>				<10>			
	inflammatory cell nest		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)	1 (10)	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
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	50 mg/m3			
		No. of Animals on Study	10			
		Grade	1+	2+	3+	4+
			(%)	(%)	(%)	(%)
{Respiratory system}						
lung			<10>			
	destruction of alveolar macrophage		9	0	0	0 **
			(90)	(0)	(0)	(0)
	deposit of particle:alveolar space,phagocytosed by alveo		0	10	0	0 **
			(0)	(100)	(0)	(0)
	deposit of particle:bronchus-associated lymphoid tissue		10	0	0	0 **
			(100)	(0)	(0)	(0)
{Hematopoietic system}						
lymph node			<10>			
	deposit of particle		5	5	0	0 **
			(50)	(50)	(0)	(0)
{Circulatory system}						
heart			<10>			
	inflammatory cell nest		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
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name / Grade	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	6.3 mg/m3 1+ (%)	6.3 mg/m3 2+ (%)	6.3 mg/m3 3+ (%)	6.3 mg/m3 4+ (%)	12.5 mg/m3 1+ (%)	12.5 mg/m3 2+ (%)	12.5 mg/m3 3+ (%)	12.5 mg/m3 4+ (%)	25 mg/m3 1+ (%)	25 mg/m3 2+ (%)	25 mg/m3 3+ (%)	25 mg/m3 4+ (%)
{Circulatory system}																		
heart		No. of Animals on Study	10				10				10				10			
	myocardial fibrosis	<a>	<10>				<10>				<10>				<10>			
		b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(c)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Digestive system}																		
liver		No. of Animals on Study	10				10				10				10			
	herniation	<a>	<10>				<10>				<10>				<10>			
		b	2	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0
		(c)	(20)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(10)	(0)	(0)	(0)
	inflammatory cell nest	<a>	<10>				<10>				<10>				<10>			
		b	1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
		(c)	(10)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)
{Urinary system}																		
kidney		No. of Animals on Study	10				10				10				10			
	eosinophilic body	<a>	<10>				<10>				<10>				<10>			
		b	10	0	0	0	10	0	0	0	10	0	0	0	10	0	0	0
		(c)	(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	inflammatory infiltration	<a>	<10>				<10>				<10>				<10>			
		b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(c)	(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
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name / Grade	50 mg/m3 1+ (%)	2+ (%)	3+ (%)	4+ (%)
		No. of Animals on Study	10			
{Circulatory system}						
heart			<10>			
	myocardial fibrosis		1 (10)	0 (0)	0 (0)	0 (0)
{Digestive system}						
liver			<10>			
	herniation		1 (10)	0 (0)	0 (0)	0 (0)
	inflammatory cell nest		2 (20)	0 (0)	0 (0)	0 (0)
{Urinary system}						
kidney			<10>			
	eosinophilic body		10 (100)	0 (0)	0 (0)	0 (0)
	inflammatory infiltration		1 (10)	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
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name / Grade	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	6.3 mg/m3 1+ (%)	6.3 mg/m3 2+ (%)	6.3 mg/m3 3+ (%)	6.3 mg/m3 4+ (%)	12.5 mg/m3 1+ (%)	12.5 mg/m3 2+ (%)	12.5 mg/m3 3+ (%)	12.5 mg/m3 4+ (%)	25 mg/m3 1+ (%)	25 mg/m3 2+ (%)	25 mg/m3 3+ (%)	25 mg/m3 4+ (%)
{Urinary system}																		
kidney		No. of Animals on Study	10				10				10				10			
	regeneration:proximal tubule	<10>	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 (30)	0 (0)	0 (0)	0 (0)
{Endocrine system}																		
pituitary		No. of Animals on Study	10				10				10				10			
	cyst formation	<10>	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	Rathke pouch	<10>	1 (10)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
thyroid		No. of Animals on Study	10				10				10				10			
	ultimobranchial body remanet	<10>	0 (0)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Reproductive system}																		
testis		No. of Animals on Study	10				10				10				10			
	tubular atrophy	<10>	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 (10)	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
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name / Grade	50 mg/m3 1+ (%)	2+ (%)	3+ (%)	4+ (%)
		No. of Animals on Study	10			
{Urinary system}						
kidney			<10>			
	regeneration:proximal tubule		0 (0)	0 (0)	0 (0)	0 (0)
{Endocrine system}						
pituitary			<10>			
	cyst formation		2 (20)	0 (0)	0 (0)	0 (0)
	Rathke pouch		1 (10)	0 (0)	0 (0)	0 (0)
thyroid			<10>			
	ultimobranchial body remanet		2 (20)	0 (0)	0 (0)	0 (0)
{Reproductive system}						
testis			<10>			
	tubular atrophy		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
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name / Grade	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	6.3 mg/m3 1+ (%)	6.3 mg/m3 2+ (%)	6.3 mg/m3 3+ (%)	6.3 mg/m3 4+ (%)	12.5 mg/m3 1+ (%)	12.5 mg/m3 2+ (%)	12.5 mg/m3 3+ (%)	12.5 mg/m3 4+ (%)	25 mg/m3 1+ (%)	25 mg/m3 2+ (%)	25 mg/m3 3+ (%)	25 mg/m3 4+ (%)
{Reproductive system}																		
epididymis		No. of Animals on Study	10				10				10				10			
			<10>				<10>				<10>				<10>			
	debris of spermatic elements		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)	(10)	(0)	(0)	(0)
prostate		No. of Animals on Study	10				10				10				10			
			<10>				<10>				<10>				<10>			
	inflammation		1	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(10)	(0)	(0)	(0)
{Special sense organs/appendage}																		
eye		No. of Animals on Study	10				10				10				10			
			<10>				<10>				<10>				<10>			
	mineralization:cornea		1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
Harder gl		No. of Animals on Study	10				10				10				10			
			<10>				<10>				<10>				<10>			
	inflammatory infiltration		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(10)	(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
Significant difference : * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name / Grade	50 mg/m3 1+ (%)	50 mg/m3 2+ (%)	50 mg/m3 3+ (%)	50 mg/m3 4+ (%)
{Reproductive system}						
epididymis		No. of Animals on Study	10			
	debris of spermatic elements	<a>	0	0	0	0
		(c)	(0)	(0)	(0)	(0)
prostate		No. of Animals on Study	10			
	inflammation	<a>	0	0	0	0
		(c)	(0)	(0)	(0)	(0)
{Special sense organs/appendage}						
eye		No. of Animals on Study	10			
	mineralization:cornea	<a>	0	0	0	0
		(c)	(0)	(0)	(0)	(0)
Harder gl		No. of Animals on Study	10			
	inflammatory infiltration	<a>	0	0	0	0
		(c)	(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
Significant difference : * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

TABLE N2

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : FEMALE

Organ	Findings	Group Name / Grade	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	6.3 mg/m3 1+ (%)	6.3 mg/m3 2+ (%)	6.3 mg/m3 3+ (%)	6.3 mg/m3 4+ (%)	12.5 mg/m3 1+ (%)	12.5 mg/m3 2+ (%)	12.5 mg/m3 3+ (%)	12.5 mg/m3 4+ (%)	25 mg/m3 1+ (%)	25 mg/m3 2+ (%)	25 mg/m3 3+ (%)	25 mg/m3 4+ (%)
{Respiratory system}																		
nasal cavit		No. of Animals on Study	10				10				10				10			
		<a>	<10>				<10>				<10>				<10>			
	goblet cell hyperplasia	b	0	0	0	0	3	0	0	0	5	0	0	0 *	10	0	0	0 **
		(c)	(0)	(0)	(0)	(0)	(30)	(0)	(0)	(0)	(50)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	eosinophilic change:olfactory epithelium	b	0	0	0	0	1	0	0	0	9	0	0	0 **	10	0	0	0 **
		(c)	(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(90)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	eosinophilic change:respiratory epithelium	b	0	0	0	0	0	0	0	0	10	0	0	0 **	10	0	0	0 **
		(c)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
nasopharynx		<a>	<10>				<10>				<10>				<10>			
	inflammation	b	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(c)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	goblet cell hyperplasia	b	0	0	0	0	1	0	0	0	5	0	0	0 *	9	0	0	0 **
		(c)	(0)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(50)	(0)	(0)	(0)	(90)	(0)	(0)	(0)
	deposit of particle:lymphoid tissue	b	0	0	0	0	9	0	0	0 **	8	0	0	0 **	9	0	0	0 **
		(c)	(0)	(0)	(0)	(0)	(90)	(0)	(0)	(0)	(80)	(0)	(0)	(0)	(90)	(0)	(0)	(0)
lung		<a>	<10>				<10>				<10>				<10>			
	osseous metaplasia	b	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(c)	(0)	(0)	(0)	(0)	(10)	(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
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name / Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)
		Group Name	50 mg/m3			
		No. of Animals on Study	10			
{Respiratory system}						
nasal cavit			<10>			
	goblet cell hyperplasia		10 (100)	0 (0)	0 (0)	0 ** (0)
	eosinophilic change:olfactory epithelium		10 (100)	0 (0)	0 (0)	0 ** (0)
	eosinophilic change:respiratory epithelium		10 (100)	0 (0)	0 (0)	0 ** (0)
nasopharynx			<10>			
	inflammation		1 (10)	0 (0)	0 (0)	0 (0)
	goblet cell hyperplasia		10 (100)	0 (0)	0 (0)	0 ** (0)
	deposit of particle:lymphoid tissue		9 (90)	0 (0)	0 (0)	0 ** (0)
lung			<10>			
	osseous metaplasia		1 (10)	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
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	Control				6.3 mg/m3				12.5 mg/m3				25 mg/m3			
		No. of Animals on Study	10				10				10				10			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Respiratory system}																		
lung			<10>				<10>				<10>				<10>			
	accumulation of foamy cells		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(10)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	hyperplasia:alveolar epithelium		0	0	0	0	2	0	0	0	4	0	0	0	9	0	0	0 **
			(0)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(40)	(0)	(0)	(0)	(90)	(0)	(0)	(0)
	destruction of alveolar macrophage		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	deposit of particle:alveolar space,phagocytosed by alveolar macrophages		0	0	0	0	10	0	0	0 **	10	0	0	0 **	10	0	0	0 **
			(0)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	deposit of particle:bronchus-associated lymphoid tissue		0	0	0	0	9	0	0	0 **	9	0	0	0 **	8	0	0	0 **
			(0)	(0)	(0)	(0)	(90)	(0)	(0)	(0)	(90)	(0)	(0)	(0)	(80)	(0)	(0)	(0)
{Hematopoietic system}																		
bone marrow			<10>				<10>				<10>				<10>			
	granulation		3	0	0	0	2	0	0	0	3	0	0	0	2	0	0	0
			(30)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(30)	(0)	(0)	(0)	(20)	(0)	(0)	(0)
lymph node			<10>				<10>				<10>				<10>			
	deposit of particle		0	0	0	0	6	0	0	0 *	7	0	0	0 **	9	0	0	0 **
			(0)	(0)	(0)	(0)	(60)	(0)	(0)	(0)	(70)	(0)	(0)	(0)	(90)	(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
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	50 mg/m3			
		No. of Animals on Study	10			
		Grade	1+	2+	3+	4+
			(%)	(%)	(%)	(%)
{Respiratory system}						
lung			<10>			
	accumulation of foamy cells		0	0	0	0
			(0)	(0)	(0)	(0)
	hyperplasia:alveolar epithelium		0	10	0	0 **
			(0)	(100)	(0)	(0)
	destruction of alveolar macrophage		9	0	0	0 **
			(90)	(0)	(0)	(0)
	deposit of particle:alveolar space,phagocytosed by alveo		0	10	0	0 **
			(0)	(100)	(0)	(0)
	deposit of particle:bronchus-associated lymphoid tissue		10	0	0	0 **
			(100)	(0)	(0)	(0)
{Hematopoietic system}						
bone marrow			<10>			
	granulation		3	0	0	0
			(30)	(0)	(0)	(0)
lymph node			<10>			
	deposit of particle		5	5	0	0 **
			(50)	(50)	(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
Significant difference ;   * : P ≦ 0.05   ** : P ≦ 0.01   Test of Chi Square

Organ	Findings	Group Name / No. of Animals on Study / Grade	Control 10 1+ (%)	Control 10 2+ (%)	Control 10 3+ (%)	Control 10 4+ (%)	6.3 mg/m3 10 1+ (%)	6.3 mg/m3 10 2+ (%)	6.3 mg/m3 10 3+ (%)	6.3 mg/m3 10 4+ (%)	12.5 mg/m3 10 1+ (%)	12.5 mg/m3 10 2+ (%)	12.5 mg/m3 10 3+ (%)	12.5 mg/m3 10 4+ (%)	25 mg/m3 10 1+ (%)	25 mg/m3 10 2+ (%)	25 mg/m3 10 3+ (%)	25 mg/m3 10 4+ (%)
{Circulatory system}																		
heart		<10>																
	inflammatory cell nest		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 (10)	0 (0)	0 (0)	0 (0)
	myocardial fibrosis		0 (0)	0 (0)	0 (0)	0 (0)	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		<10>																
	herniation		0 (0)	0 (0)	0 (0)	0 (0)	2 (20)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)
	inflammatory cell nest		1 (10)	0 (0)	0 (0)	0 (0)	2 (20)	0 (0)	0 (0)	0 (0)	3 (30)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)
	basophilic cell focus		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (10)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Urinary system}																		
kidney		<10>																
	mineralization:tubule		4 (40)	0 (0)	0 (0)	0 (0)	2 (20)	0 (0)	0 (0)	0 (0)	3 (30)	0 (0)	0 (0)	0 (0)	2 (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 b : Number of animals with lesion
(c) c : b / a * 100
Significant difference : * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	50 mg/m3			
		No. of Animals on Study	10			
		Grade	1+	2+	3+	4+
			(%)	(%)	(%)	(%)
{Circulatory system}						
heart			<10>			
	inflammatory cell nest		0	0	0	0
			(0)	(0)	(0)	(0)
	myocardial fibrosis		1	0	0	0
			(10)	(0)	(0)	(0)
{Digestive system}						
liver			<10>			
	herniation		1	0	0	0
			(10)	(0)	(0)	(0)
	inflammatory cell nest		1	0	0	0
			(10)	(0)	(0)	(0)
	basophilic cell focus		0	0	0	0
			(0)	(0)	(0)	(0)
{Urinary system}						
kidney			<10>			
	mineralization:tubule		2	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   b : Number of animals with lesion
(c) c : b / a * 100
Significant difference : * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Grade	Control	6.3 mg/m3	12.5 mg/m3	25 mg/m3
		No. of Animals on Study	10	10	10	10
		1+ (%)				
		2+ (%)				
		3+ (%)				
		4+ (%)				
{Endocrine system}						
pituitary			<10>	<10>	<10>	<10>
	cyst formation	1+	1 (10)	1 (10)	0 (0)	0 (0)
		2+	0 (0)	0 (0)	0 (0)	0 (0)
		3+	0 (0)	0 (0)	0 (0)	0 (0)
		4+	0 (0)	0 (0)	0 (0)	0 (0)
thyroid			<10>	<10>	<10>	<10>
	ultimobranchial body remanet	1+	0 (0)	0 (0)	1 (10)	1 (10)
		2+	0 (0)	0 (0)	0 (0)	0 (0)
		3+	0 (0)	0 (0)	0 (0)	0 (0)
		4+	0 (0)	0 (0)	0 (0)	0 (0)
{Reproductive system}						
ovi d/v def			<10>	<10>	<10>	<10>
	inflammatory infiltration	1+	0 (0)	0 (0)	0 (0)	0 (0)
		2+	0 (0)	0 (0)	0 (0)	0 (0)
		3+	0 (0)	0 (0)	0 (0)	0 (0)
		4+	0 (0)	0 (0)	0 (0)	0 (0)
{Special sense organs/appendage}						
Harder gl			<10>	<10>	<10>	<10>
	inflammatory infiltration	1+	1 (10)	0 (0)	1 (10)	1 (10)
		2+	0 (0)	0 (0)	0 (0)	0 (0)
		3+	0 (0)	0 (0)	0 (0)	0 (0)
		4+	0 (0)	0 (0)	0 (0)	0 (0)
	lymphocytic infiltration	1+	0 (0)	0 (0)	0 (0)	1 (10)
		2+	0 (0)	0 (0)	0 (0)	0 (0)
		3+	0 (0)	0 (0)	0 (0)	0 (0)
		4+	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
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name / Grade	50 mg/m3 1+ (%)	50 mg/m3 2+ (%)	50 mg/m3 3+ (%)	50 mg/m3 4+ (%)
{Endocrine system}						
pituitary		No. of Animals on Study	10			
	cyst formation		0	0	0	0
			(0)	(0)	(0)	(0)
thyroid		No. of Animals on Study	10			
	ultimobranchial body remanet		0	0	0	0
			(0)	(0)	(0)	(0)
{Reproductive system}						
ovi d/v def		No. of Animals on Study	10			
	inflammatory infiltration		1	0	0	0
			(10)	(0)	(0)	(0)
{Special sense organs/appendage}						
Harder gl		No. of Animals on Study	10			
	inflammatory infiltration		0	0	0	0
			(0)	(0)	(0)	(0)
	lymphocytic infiltration		1	0	0	0
			(10)	(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
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name / Grade	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	6.3 mg/m3 1+ (%)	6.3 mg/m3 2+ (%)	6.3 mg/m3 3+ (%)	6.3 mg/m3 4+ (%)	12.5 mg/m3 1+ (%)	12.5 mg/m3 2+ (%)	12.5 mg/m3 3+ (%)	12.5 mg/m3 4+ (%)	25 mg/m3 1+ (%)	25 mg/m3 2+ (%)	25 mg/m3 3+ (%)	25 mg/m3 4+ (%)
{Special sense organs/appendage}																		
Harder gl		No. of Animals on Study	10				10				10				10			
	granulation	<10>	0	0	0	0	0	0	0	0	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
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name	50 mg/m3			
		No. of Animals on Study	10			
		Grade	1+	2+	3+	4+
			(%)	(%)	(%)	(%)
{Special sense organs/appendage}						
Harder gl			<10>			
	granulation		1	0	0	0
			(10)	(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
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

TABLE O

AMOUNT OF TITANIUM DIOXIDE IN THE LUNG

AMOUNT OF TITANIUM DIOXIDE IN THE LUNG

Group Name	Amount of Titanium Dioxide (mg in 1g Lung)			
	No. of Animals	Male	No. of Animals	Female
6.3 mg/m^3	9	2.17 ± 0.56	10	1.27 ± 0.29
12.5 mg/m^3	10	3.49 ± 0.53	10	3.33 ± 0.59
25 mg/m^3	10	6.42 ± 0.90	10	8.72 ± 1.42
50 mg/m^3	10	18.35 ± 2.09	10	21.31 ± 3.59