ブチルアルデヒドのラットを用いた
吸入によるがん原性試験報告書

試験番号：0914

TABLES

TABLES

TABLES (CONTINUED)

TABLES (CONTINUED)

TABLE A

CONCENTRATIONS OF BUTYRALDEHYDE

IN THE INHALATION CHAMBER

TABLE A CONCENTRATIONS OF BUTYRALDEHYDE IN THE INHALATION CHAMBER

Group Name	Concentration(ppm) Mean ± S.D.
Control	0.0 ± 0.0
300 ppm	299.9 ± 3.0
1000 ppm	1000.9 ± 5.7
3000 ppm	2998.2 ± 37.8

TABLE B1

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0914 SURVIVAL ANIMAL NUMBERS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : MALE

Group Name	Animals At start	Administration (Weeks) 0	1	2	3	4	5	6	7	8	9	10	11	12	13
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
300 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
1000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
3000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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(%)

STUDY NO. : 0914 SURVIVAL ANIMAL NUMBERS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : MALE

Group Name	Animals At start	Administration (Weeks) 14	15	16	17	18	19	20	21	22	23	24	25	26	27
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
300 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
1000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
3000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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(%)

STUDY NO. : 0914 SURVIVAL ANIMAL NUMBERS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : MALE

Group Name	Animals At start	Administration (Weeks) 28	29	30	31	32	33	34	35	36	37	38	39	40	41
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
300 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
1000 ppm	50	50/50	50/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50
		100.0	100.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
3000 ppm	50	50/50	50/50	50/50	50/50	50/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50
		100.0	100.0	100.0	100.0	100.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0

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

STUDY NO. : 0914 SURVIVAL ANIMAL NUMBERS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : MALE

Group Name	Animals At start	Administration (Weeks) 42	43	44	45	46	47	48	49	50	51	52	53	54	55
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	49/50	49/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	98.0
300 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
1000 ppm	50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50
		98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
3000 ppm	50	49/50	49/50	49/50	49/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50
		98.0	98.0	98.0	98.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0

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

STUDY NO. : 0914 SURVIVAL ANIMAL NUMBERS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : MALE

Group Name	Animals At start	Administration (Weeks) 56	57	58	59	60	61	62	63	64	65	66	67	68	69
Control	50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50
		98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
300 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
1000 ppm	50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50
		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
3000 ppm	50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	47/50	47/50	47/50	47/50	47/50	46/50	46/50
		96.0	96.0	96.0	96.0	96.0	96.0	96.0	94.0	94.0	94.0	94.0	94.0	92.0	92.0

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

STUDY NO. : 0914 SURVIVAL ANIMAL NUMBERS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : MALE

Group Name	Animals At start	Administration (Weeks) 70	71	72	73	74	75	76	77	78	79	80	81	82	83
Control	50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	47/50	47/50	47/50	46/50	46/50	45/50
		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	94.0	94.0	94.0	92.0	92.0	90.0
300 ppm	50	49/50	49/50	49/50	49/50	49/50	49/50	48/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50
		98.0	98.0	98.0	98.0	98.0	98.0	96.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
1000 ppm	50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	47/50	47/50	46/50
		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	94.0	94.0	92.0
3000 ppm	50	46/50	46/50	46/50	46/50	45/50	45/50	45/50	45/50	45/50	45/50	45/50	45/50	44/50	44/50
		92.0	92.0	92.0	92.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	88.0	88.0

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

STUDY NO. : 0914 SURVIVAL ANIMAL NUMBERS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : MALE

Group Name	Animals At start	Administration (Weeks) 84	85	86	87	88	89	90	91	92	93	94	95	96	97
Control	50	45/50	45/50	44/50	43/50	43/50	41/50	41/50	41/50	41/50	40/50	40/50	40/50	40/50	40/50
		90.0	90.0	88.0	86.0	86.0	82.0	82.0	82.0	82.0	80.0	80.0	80.0	80.0	80.0
300 ppm	50	47/50	46/50	46/50	46/50	46/50	45/50	45/50	45/50	45/50	43/50	43/50	43/50	43/50	42/50
		94.0	92.0	92.0	92.0	92.0	90.0	90.0	90.0	90.0	86.0	86.0	86.0	86.0	84.0
1000 ppm	50	46/50	46/50	46/50	44/50	43/50	43/50	43/50	42/50	41/50	41/50	41/50	41/50	41/50	38/50
		92.0	92.0	92.0	88.0	86.0	86.0	86.0	84.0	82.0	82.0	82.0	82.0	82.0	76.0
3000 ppm	50	44/50	44/50	44/50	43/50	43/50	43/50	42/50	42/50	42/50	42/50	40/50	38/50	38/50	38/50
		88.0	88.0	88.0	86.0	86.0	86.0	84.0	84.0	84.0	84.0	80.0	76.0	76.0	76.0

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

Group Name	Animals At start	Administration (Weeks) 98	99	100	101	102	103	104
Control	50	38/50	37/50	36/50	35/50	34/50	33/50	32/50
		76.0	74.0	72.0	70.0	68.0	66.0	64.0
300 ppm	50	40/50	38/50	37/50	37/50	37/50	37/50	36/50
		80.0	76.0	74.0	74.0	74.0	74.0	72.0
1000 ppm	50	38/50	37/50	37/50	36/50	34/50	34/50	34/50
		76.0	74.0	74.0	72.0	68.0	68.0	68.0
3000 ppm	50	38/50	36/50	35/50	35/50	33/50	32/50	31/50
		76.0	72.0	70.0	70.0	66.0	64.0	62.0

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

TABLE B2

SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0914 SURVIVAL ANIMAL NUMBERS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : FEMALE

Group Name	Animals At start	Administration (Weeks) 0	1	2	3	4	5	6	7	8	9	10	11	12	13
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
300 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
1000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
3000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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(%)

STUDY NO. : 0914 SURVIVAL ANIMAL NUMBERS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : FEMALE

Group Name	Animals At start	Administration (Weeks) 14	15	16	17	18	19	20	21	22	23	24	25	26	27
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
300 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
1000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
3000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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(%)

STUDY NO. : 0914 SURVIVAL ANIMAL NUMBERS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : FEMALE

Group Name	Animals At start	Administration (Weeks) 28	29	30	31	32	33	34	35	36	37	38	39	40	41
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
300 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
1000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
3000 ppm	50	50/50	50/50	50/50	50/50	50/50	49/50	49/50	49/50	49/50	49/50	49/50	48/50	47/50	47/50
		100.0	100.0	100.0	100.0	100.0	98.0	98.0	98.0	98.0	98.0	98.0	96.0	94.0	94.0

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

STUDY NO. : 0914 SURVIVAL ANIMAL NUMBERS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : FEMALE

Group Name	Animals At start	Administration (Weeks) 42	43	44	45	46	47	48	49	50	51	52	53	54	55
Control	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	49/50	49/50	49/50	49/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	98.0	98.0	98.0
300 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
1000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
3000 ppm	50	47/50	47/50	47/50	47/50	46/50	46/50	46/50	46/50	46/50	46/50	46/50	45/50	45/50	45/50
		94.0	94.0	94.0	94.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	90.0	90.0	90.0

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

STUDY NO. : 0914 SURVIVAL ANIMAL NUMBERS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : FEMALE

Group Name	Animals At start	Administration (Weeks) 56	57	58	59	60	61	62	63	64	65	66	67	68	69
Control	50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	49/50	48/50	48/50	48/50	48/50	48/50
		98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	96.0	96.0	96.0	96.0	96.0
300 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
1000 ppm	50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50	50/50
		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
3000 ppm	50	45/50	45/50	45/50	45/50	45/50	44/50	44/50	44/50	44/50	44/50	43/50	43/50	43/50	43/50
		90.0	90.0	90.0	90.0	90.0	88.0	88.0	88.0	88.0	88.0	86.0	86.0	86.0	86.0

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

STUDY NO. : 0914 SURVIVAL ANIMAL NUMBERS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : FEMALE

Group Name	Animals At start	Administration (Weeks) 70	71	72	73	74	75	76	77	78	79	80	81	82	83
Control	50	48/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	46/50	46/50
		96.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	92.0	92.0
300 ppm	50	50/50	49/50	49/50	49/50	49/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	47/50	47/50
		100.0	98.0	98.0	98.0	98.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	94.0	94.0
1000 ppm	50	50/50	50/50	49/50	49/50	49/50	49/50	48/50	48/50	48/50	47/50	47/50	47/50	47/50	46/50
		100.0	100.0	98.0	98.0	98.0	98.0	96.0	96.0	96.0	94.0	94.0	94.0	94.0	92.0
3000 ppm	50	41/50	41/50	40/50	38/50	37/50	36/50	36/50	35/50	35/50	34/50	34/50	34/50	34/50	34/50
		82.0	82.0	80.0	76.0	74.0	72.0	72.0	70.0	70.0	68.0	68.0	68.0	68.0	68.0

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

Group Name	Animals At start	Administration (Weeks) 84	85	86	87	88	89	90	91	92	93	94	95	96	97
Control	50	46/50	44/50	44/50	43/50	42/50	42/50	40/50	39/50	39/50	39/50	38/50	38/50	37/50	37/50
		92.0	88.0	88.0	86.0	84.0	84.0	80.0	78.0	78.0	78.0	76.0	76.0	74.0	74.0
300 ppm	50	47/50	47/50	47/50	47/50	47/50	47/50	45/50	45/50	45/50	45/50	45/50	45/50	45/50	44/50
		94.0	94.0	94.0	94.0	94.0	94.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	88.0
1000 ppm	50	46/50	46/50	45/50	44/50	43/50	43/50	43/50	42/50	42/50	41/50	41/50	41/50	40/50	40/50
		92.0	92.0	90.0	88.0	86.0	86.0	86.0	84.0	84.0	82.0	82.0	82.0	80.0	80.0
3000 ppm	50	34/50	34/50	34/50	34/50	34/50	32/50	31/50	30/50	29/50	29/50	29/50	29/50	27/50	26/50
		68.0	68.0	68.0	68.0	68.0	64.0	62.0	60.0	58.0	58.0	58.0	58.0	54.0	52.0

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

Group Name	Animals At start	Administration (Weeks) 98	99	100	101	102	103	104
Control	50	36/50	36/50	36/50	35/50	33/50	33/50	33/50
		72.0	72.0	72.0	70.0	66.0	66.0	66.0
300 ppm	50	43/50	41/50	41/50	41/50	40/50	40/50	39/50
		86.0	82.0	82.0	82.0	80.0	80.0	78.0
1000 ppm	50	40/50	40/50	39/50	39/50	38/50	38/50	38/50
		80.0	80.0	78.0	78.0	76.0	76.0	76.0
3000 ppm	50	26/50	25/50	25/50	24/50	24/50	23/50	22/50
		52.0	50.0	50.0	48.0	48.0	46.0	44.0

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

TABLE C1

CLINICAL OBSERVATION : MALE

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 104

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	14-7
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PREENING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PREENING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	1
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	1	1	1	1	1	1	1	1	1	1	1	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PREENING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	3000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3000 ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PREENING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1000 ppm	0	0	1	1	1	1	1	1	1	1	1	1	1	1
	3000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
DEATH	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3000 ppm	1	1	1	1	1	1	2	2	2	2	2	3	3	3
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	1000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PREENING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	300 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1000 ppm	1	1	1	1	1	1	1	1	1	1	1	2	2	2
	3000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
DEATH	Control	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	300 ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1
	1000 ppm	1	1	1	1	1	1	1	1	1	1	2	2	2	2
	3000 ppm	3	3	3	4	4	4	4	4	4	4	4	4	4	4
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	1	1	1	2	2	3	3
	300 ppm	1	1	1	1	1	1	2	2	2	2	2	2	2	2
	1000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	2	2
	3000 ppm	1	1	1	1	1	1	1	1	1	1	1	2	2	2
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PREENING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	1	2	2	2	2	2	2	2	2	2	1	1	1	1
	300 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1000 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	3000 ppm	1	1	1	1	1	1	2	2	2	2	1	2	2	2
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	1	1	0	0
CORNEAL EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
DEATH	Control	2	3	4	4	4	4	4	4	4	4	4	4	4	5
	300 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1000 ppm	2	2	3	3	3	3	3	3	3	3	3	3	4	4
	3000 ppm	4	4	4	4	4	4	4	4	4	5	5	5	5	5
MORIBUND SACRIFICE	Control	3	3	3	3	5	5	5	5	6	6	6	6	6	7
	300 ppm	3	3	3	3	4	4	4	4	6	6	6	6	7	9
	1000 ppm	2	2	3	4	4	4	5	6	6	6	6	6	8	8
	3000 ppm	2	2	3	3	3	4	4	4	4	5	7	7	7	7
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PREENING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	1	1	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	1	1	1	1	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0
CATARACT	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	300 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1000 ppm	2	3	2	2	2	2	2	1	1	1	1	1	1	1
	3000 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 99-7	100-7	101-7	102-7	103-7	104-7
DEATH	Control	5	5	6	6	7	7
	300 ppm	1	1	1	1	1	1
	1000 ppm	4	4	5	5	5	5
	3000 ppm	5	6	6	7	8	9
MORIBUND SACRIFICE	Control	8	9	9	10	10	11
	300 ppm	11	12	12	12	12	13
	1000 ppm	9	9	9	11	11	11
	3000 ppm	9	9	9	10	10	10
PARALYTIC GAIT	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	1	1	0	0	0
	3000 ppm	0	0	0	0	0	0
PREENING	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	1	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
CATARACT	Control	1	1	1	1	1	1
	300 ppm	1	1	1	1	1	1
	1000 ppm	1	1	1	1	1	1
	3000 ppm	2	2	2	3	3	3
CORNEAL OPACITY	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
CORNEAL EDEMA	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	1	1	1	1	1	1
	3000 ppm	0	0	0	0	0	0

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	14-7
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
EXTERNAL MASS	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
EXTERNAL MASS	Control	1	1	1	1	1	1	1	1	1	1	2	2	2	2
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	2	2
	3000 ppm	1	1	1	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
EXTERNAL MASS	Control	2	2	2	2	3	3	3	3	3	3	3	3	3	3
	300 ppm	0	0	0	1	1	1	1	1	1	3	3	3	3	3
	1000 ppm	2	2	2	2	2	2	2	2	2	2	2	3	3	3
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
EXTERNAL MASS	Control	3	3	3	3	3	3	3	4	4	4	4	4	4	4
	300 ppm	3	3	3	3	4	3	3	3	3	3	3	3	3	4
	1000 ppm	3	4	5	5	5	5	6	6	6	6	7	7	6	6
	3000 ppm	0	0	0	0	0	0	0	0	1	1	2	2	2	2
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI-MOUTH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	1	1	1	1	1	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	1	1	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	1	1	1	1	1	1	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
EXTERNAL MASS	Control	4	4	5	5	5	5	5	5	6	6	6	6	7	7
	300 ppm	4	4	4	5	4	4	4	4	3	4	4	4	5	4
	1000 ppm	7	7	9	9	9	9	9	9	10	9	8	8	6	6
	3000 ppm	2	2	2	3	3	3	3	4	4	4	4	5	5	5
INTERNAL MASS	Control	0	0	0	0	1	1	1	1	1	1	1	1	2	1
	300 ppm	0	0	0	0	1	1	1	1	1	1	1	1	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI-MOUTH	Control	0	0	0	0	0	0	0	1	2	1	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ORAL CAVITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	1	1	1	1	1	1	1	1	1	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 99-7	100-7	101-7	102-7	103-7	104-7
EXTERNAL MASS	Control	5	6	6	6	6	6
	300 ppm	3	2	3	3	3	3
	1000 ppm	6	7	7	7	7	7
	3000 ppm	5	5	5	7	7	7
INTERNAL MASS	Control	1	1	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
M.PERI-MOUTH	Control	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
M.ORAL CAVITY	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
M.EAR	Control	0	0	0	0	0	0
	300 ppm	1	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0
	3000 ppm	1	1	1	1	1	1
M.PERI EAR	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	1	1	1
M.HEAD	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	1	1	1	1	1	1
	3000 ppm	0	0	0	0	0	0

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	14-7
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
M.ABDOMEN	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	1	1	1	0	0	0	0	0	0	0	0	0	0	0
M.ABDOMEN	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	1	1	0	0	0	0	0	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
M.BREAST	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ABDOMEN	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	300 ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	1000 ppm	1	1	1	1	1	1	1	1	1	1	1	2	2	2
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
M.BREAST	Control	1	1	1	1	1	1	1	1	1	1	0	0	0	0
	300 ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	1	1	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ABDOMEN	Control	1	1	1	1	1	1	1	2	2	2	2	2	2	2
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	1	1	1	1	1	1	1	1	1	1	1	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	1	1	1	1	1	1	1	1	1	1	2	2	2	2
	300 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1000 ppm	2	2	2	2	2	2	3	3	3	3	3	3	3	3
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	300 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	2
	3000 ppm	0	1	1	0	0	0	0	0	0	0	1	1	1	1
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	1	1	1	1	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ABDOMEN	Control	2	2	3	3	3	3	3	3	3	3	3	3	4	4
	300 ppm	0	0	0	1	1	1	1	1	1	1	1	1	2	1
	1000 ppm	2	2	2	2	2	2	2	2	3	3	3	3	3	3
	3000 ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
M.ANTERIOR.DORSUM	Control	2	2	1	1	1	1	1	1	1	1	1	1	1	1
	300 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1000 ppm	3	3	3	3	3	3	3	3	3	3	2	2	1	1
	3000 ppm	0	0	0	0	0	0	0	1	1	1	1	2	2	2
M.POSTERIOR DORSUM	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	300 ppm	1	1	1	1	1	1	1	1	0	0	0	0	0	0
	1000 ppm	0	0	1	1	1	2	2	2	2	2	2	2	2	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	1	1	1	1	1	1	1	1	1	1	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	1	2	4	4	1	2	2	2	1	1	2	2	1	2
	300 ppm	0	0	0	0	2	1	1	1	1	1	1	1	0	2
	1000 ppm	2	2	1	1	1	2	1	2	3	3	0	1	1	1
	3000 ppm	2	2	2	2	2	3	3	4	4	3	2	3	3	3
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 99-7	100-7	101-7	102-7	103-7	104-7
M.BREAST	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
M.ABDOMEN	Control	2	2	2	2	2	2
	300 ppm	1	1	1	1	1	1
	1000 ppm	3	4	4	4	4	4
	3000 ppm	1	1	1	1	1	1
M.ANTERIOR.DORSUM	Control	1	2	2	2	2	2
	300 ppm	1	0	0	0	0	0
	1000 ppm	1	1	1	1	1	1
	3000 ppm	2	2	2	3	3	3
M.POSTERIOR DORSUM	Control	1	2	2	2	2	2
	300 ppm	0	0	1	1	1	1
	1000 ppm	1	1	1	1	1	1
	3000 ppm	0	0	0	0	0	0
M.HINDLIMB	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	1	1	1	1	1	1
M.GENITALIA	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
ANEMIA	Control	1	0	0	2	1	3
	300 ppm	2	0	0	0	2	1
	1000 ppm	0	1	3	3	4	5
	3000 ppm	3	4	5	5	5	6
JAUNDICE	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	1	1	1	0	0	0
	3000 ppm	0	0	0	0	0	0

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	14-7
CICATRIX	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SWELLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	300 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	1000 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	3000 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50

Clinical sign	Group Name	Administration Week-day 15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
CICATRIX	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SWELLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	50	50	50	50	50	50	50	50	50	50	50	50	49	49
	300 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	1000 ppm	50	50	50	49	49	49	49	49	49	49	49	49	49	49
	3000 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50

Clinical sign	Group Name	Administration Week-day 29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
CICATRIX	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SWELLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	49	49	49	49	49	49	49	49	49	49	49	49	49	49
	300 ppm	50	50	50	49	49	49	49	49	49	49	49	49	49	49
	1000 ppm	49	49	49	49	49	49	49	49	49	49	49	49	49	49
	3000 ppm	50	50	50	50	49	49	49	49	49	48	48	47	47	47

Clinical sign	Group Name	Administration Week-day 43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
CICATRIX	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SWELLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	49	49	49	49	49	49	49	49	49	49	48	47	47	47
	300 ppm	49	49	49	49	49	49	49	49	49	49	49	49	49	49
	1000 ppm	49	49	48	48	48	48	48	48	48	48	48	48	46	45
	3000 ppm	47	47	47	47	47	47	47	47	47	47	47	47	47	47

Clinical sign	Group Name	Administration Week-day 57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
CICATRIX	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SWELLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	1	1	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	2	2	2	3	3	4
NON REMARKABLE	Control	47	47	47	47	46	46	46	46	46	46	46	46	46	45
	300 ppm	49	49	49	48	47	47	47	47	47	45	45	45	45	45
	1000 ppm	45	45	45	45	45	45	45	45	45	45	45	43	43	43
	3000 ppm	47	47	47	47	47	47	46	46	44	44	44	42	42	41

Clinical sign	Group Name	Administration Week-day 71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
CICATRIX	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SWELLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	1	1	0	0	0	0	0	0	0	1	0	0
	300 ppm	0	0	0	0	0	1	0	0	0	0	0	1	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	3000 ppm	0	1	2	2	2	2	2	2	2	2	0	0	0	0
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	5	5	5	4	4	4	4	5	5	5	6	7	9	8
NON REMARKABLE	Control	45	44	44	44	44	44	44	42	42	41	40	40	39	39
	300 ppm	45	45	45	45	44	43	43	43	43	43	43	42	42	41
	1000 ppm	43	42	41	41	41	41	40	40	40	40	38	38	37	37
	3000 ppm	40	40	40	40	40	40	39	38	37	37	34	32	31	32

Clinical sign	Group Name	Administration Week-day 85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
CICATRIX	Control	0	0	0	0	0	0	0	0	0	1	1	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SWELLING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	1	0	1	1	2	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	1	2	2	0	1	1	1	0	0
	1000 ppm	1	1	1	0	1	2	1	1	1	1	1	2	2	1
	3000 ppm	0	1	0	0	0	0	1	1	1	1	1	1	1	1
TACHYPNEA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	1	1	1	0	1	1	2
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	11	12	13	19	25	16	20	18	22	20	21	23	28	27
NON REMARKABLE	Control	39	37	34	34	34	34	34	34	32	32	31	31	30	28
	300 ppm	41	41	41	40	39	39	39	39	38	37	37	37	36	34
	1000 ppm	35	35	32	32	32	31	31	30	28	29	31	31	30	30
	3000 ppm	28	27	26	20	14	21	18	20	15	15	12	11	7	6

Clinical sign	Group Name	Administration Week-day 99-7	100-7	101-7	102-7	103-7	104-7
CICATRIX	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
SWELLING	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	1	0	0
	3000 ppm	0	0	0	0	0	0
PROLAPSE OF PENIS	Control	1	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	1	0	0	0
IRREGULAR BREATHING	Control	1	0	0	1	2	1
	300 ppm	1	0	0	0	0	1
	1000 ppm	0	0	0	0	0	0
	3000 ppm	2	2	2	2	2	5
TACHYPNEA	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	1	1	0	0	0
	3000 ppm	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	1	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	1	1	1	0	0	2
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	29	31	32	21	24	21
NON REMARKABLE	Control	29	28	27	25	24	22
	300 ppm	33	34	33	33	31	31
	1000 ppm	29	26	24	24	23	22
	3000 ppm	3	1	0	6	5	6

TABLE C2

CLINICAL OBSERVATION : 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	14-7
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	1	1	1	1	1	1	2	3	3	3
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
DEATH	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	3	3	3	4	4	4	4	4	4	4	5	5	5	5
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
DEATH	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	5	5	5	5	6	6	6	6	6	7	7	7	7	9
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	1	1	1	1	1	2	2	2	2	2	2	2	2	3
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
DEATH	Control	1	1	1	1	1	1	1	1	1	1	1	2	2	2
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	1	1	1	1	2	2
	3000 ppm	9	9	10	11	12	12	13	13	14	14	14	14	14	14
MORIBUND SACRIFICE	Control	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	300 ppm	1	1	1	1	2	2	2	2	2	2	2	3	3	3
	1000 ppm	0	1	1	1	1	2	2	2	2	2	2	2	2	2
	3000 ppm	0	1	2	2	2	2	2	2	2	2	2	2	2	2
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	1	1	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
DEATH	Control	3	3	3	4	4	5	5	5	5	6	6	6	6	6
	300 ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1
	1000 ppm	2	2	3	3	3	3	4	4	5	5	5	6	6	6
	3000 ppm	14	14	14	14	15	16	17	17	17	17	17	18	18	18
MORIBUND SACRIFICE	Control	3	3	4	4	4	5	6	6	6	6	6	7	7	8
	300 ppm	3	3	3	3	3	4	4	4	4	4	4	4	5	6
	1000 ppm	2	3	3	4	4	4	4	4	4	4	4	4	4	4
	3000 ppm	2	2	2	2	3	3	3	4	4	4	4	5	6	6
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	1	1	1	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	1	1	1	1	1	1	1	1	1	1	2	2	2	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 99-7	100-7	101-7	102-7	103-7	104-7
DEATH	Control	6	6	6	7	7	7
	300 ppm	3	3	3	4	4	4
	1000 ppm	6	6	6	6	6	6
	3000 ppm	19	19	20	20	21	22
MORIBUND SACRIFICE	Control	8	8	9	10	10	10
	300 ppm	6	6	6	6	6	7
	1000 ppm	4	5	5	6	6	6
	3000 ppm	6	6	6	6	6	6
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
PARALYTIC GAIT	Control	0	0	0	0	0	0
	300 ppm	0	0	1	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	1
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	1	0	0	0
	3000 ppm	0	0	0	0	0	0
CATARACT	Control	3	3	3	3	3	3
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
CORNEAL EDEMA	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	2	2	2	2	2	2
	3000 ppm	0	0	0	0	0	0

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	14-7
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	300 ppm	2	2	2	2	2	2	2	3	3	3	3	3	3	3
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	2	2
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	1	1	1	2	2	2	2	2	3	3	4	4	5	6
	300 ppm	4	4	5	5	4	4	4	4	4	4	4	3	3	3
	1000 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	3000 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	1	1	1	1	1	1	1	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	0	0	0	1	1	1	1	1	2	2	3	3	4	4
	300 ppm	2	2	2	2	2	2	2	2	2	2	2	1	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	6	6	6	7	8	8	8	8	9	9	10	10	11	10
	300 ppm	3	3	3	3	4	4	4	4	4	4	4	6	5	4
	1000 ppm	2	2	1	1	1	1	1	1	1	1	1	2	2	2
	3000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	0	0
INTERNAL MASS	Control	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EAR	Control	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	1	1	0	0	0	0	0	0	0	0	0	1	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	4	4	4	4	4	4	4	4	4	4	4	4	5	4
	300 ppm	1	1	1	1	1	1	1	1	2	2	2	3	3	2
	1000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 99-7	100-7	101-7	102-7	103-7	104-7
ABNORMAL GROWTH OF TEETH	Control	0	0	0	0	0	0
	300 ppm	1	1	1	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
EXTERNAL MASS	Control	10	10	9	9	9	9
	300 ppm	3	3	3	3	3	3
	1000 ppm	2	3	3	3	3	3
	3000 ppm	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
M.NOSE	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
M.MANDIBULAR	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
M.EAR	Control	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0
	1000 ppm	1	1	1	1	1	1
	3000 ppm	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0
	300 ppm	1	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	1	1	1	1	1	1
	3000 ppm	0	0	0	0	0	0
M.BREAST	Control	4	4	4	4	4	4
	300 ppm	3	3	3	3	3	3
	1000 ppm	1	2	2	2	2	2
	3000 ppm	0	0	0	0	0	0

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	14-7
M.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
M.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
M.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
M.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
M.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	1	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
M.ABDOMEN	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	300 ppm	1	1	1	1	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
M.ANTERIOR.DORSUM	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.TAIL	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	300 ppm	1	1	1	1	0	0	0	0	0	0	0	0	0	0
	1000 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	1	0	0	1	0	0	1	1	1
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
M.ABDOMEN	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	1	1	1	1	1	1	1	1	1	1	1	1	0	0
M.ANTERIOR.DORSUM	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	1	1	1	1	1	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	1	1	1	1	1	1	2	2	2	2
	300 ppm	0	0	0	0	1	1	1	1	1	1	1	1	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.TAIL	Control	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	0	0	0	0	1	0	0	0	0	1	0	0	0
	300 ppm	0	0	2	2	2	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	1	1	1	1	1	0	0	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	1	1	1	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	1	1	0	0	0

Clinical sign	Group Name	Administration Week-day 99-7	100-7	101-7	102-7	103-7	104-7
M.ABDOMEN	Control	1	1	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
M.GENITALIA	Control	2	2	2	2	2	2
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
M.TAIL	Control	1	1	1	1	1	1
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
ANEMIA	Control	0	2	2	0	0	1
	300 ppm	0	0	0	0	1	1
	1000 ppm	0	0	1	0	0	0
	3000 ppm	0	0	1	1	1	1
CRUSTA	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0

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	14-7
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	300 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	1000 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	3000 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50

Clinical sign	Group Name	Administration Week-day 15-7	16-7	17-7	18-7	19-7	20-7	21-7	22-7	23-7	24-7	25-7	26-7	27-7	28-7
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	50	50	50	50	50	50	50	50	49	49	49	49	49	49
	300 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	1000 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	3000 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50

Clinical sign	Group Name	Administration Week-day 29-7	30-7	31-7	32-7	33-7	34-7	35-7	36-7	37-7	38-7	39-7	40-7	41-7	42-7
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	49	49	49	49	48	49	49	49	49	49	49	49	49	49
	300 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	1000 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	3000 ppm	50	50	50	50	49	49	49	49	49	49	48	47	47	47

Clinical sign	Group Name	Administration Week-day 43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	49	49	49	49	49	49	49	49	49	48	48	48	48	48
	300 ppm	50	50	50	50	50	50	50	50	50	49	50	50	50	49
	1000 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	3000 ppm	47	47	47	46	46	46	46	46	46	46	45	45	45	45

Clinical sign	Group Name	Administration Week-day 57-7	58-7	59-7	60-7	61-7	62-7	63-7	64-7	65-7	66-7	67-7	68-7	69-7	70-7
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	2
NON REMARKABLE	Control	48	48	48	48	48	47	47	47	46	46	46	46	46	44
	300 ppm	47	47	47	47	47	47	47	46	46	46	46	46	46	45
	1000 ppm	50	50	50	50	50	50	50	50	50	50	50	50	47	47
	3000 ppm	45	45	45	45	44	44	44	44	44	42	43	43	43	39

Clinical sign	Group Name	Administration Week-day 71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	1	1	1	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	1	0	0	0	1	0	0	0	0	0	0	0	0	0
	3000 ppm	0	1	0	1	1	1	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	1	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	2	1	1	2	2	3	3	3	3	4	4	4	4	4
NON REMARKABLE	Control	44	44	44	43	43	42	43	43	42	41	40	39	38	37
	300 ppm	44	44	43	43	43	43	43	43	43	43	43	43	43	43
	1000 ppm	47	47	47	47	46	46	46	46	45	45	44	44	43	43
	3000 ppm	38	38	37	34	33	32	32	32	30	30	29	29	29	29

Clinical sign	Group Name	Administration Week-day 85-7	86-7	87-7	88-7	89-7	90-7	91-7	92-7	93-7	94-7	95-7	96-7	97-7	98-7
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	1	1	0	0	0	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0	0	0	0	1	1	0	0	0
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	3000 ppm	3	4	5	6	3	0	3	0	0	1	2	1	5	6
NON REMARKABLE	Control	36	36	35	33	31	29	29	29	28	27	25	25	24	24
	300 ppm	43	43	43	43	42	40	40	40	40	40	40	39	39	39
	1000 ppm	43	42	41	41	41	41	40	40	39	39	38	36	36	37
	3000 ppm	30	29	28	27	28	29	26	28	28	26	25	25	21	20

Clinical sign	Group Name	Administration Week-day 99-7	100-7	101-7	102-7	103-7	104-7
VAGINAL PROLAPSE	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	2
	300 ppm	1	1	1	0	1	1
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
DEEP BREATHING	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	0	0	0	0	0	0
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0
	300 ppm	0	0	0	0	0	0
	1000 ppm	0	0	0	0	0	0
	3000 ppm	15	16	14	1	2	4
NON REMARKABLE	Control	24	22	22	22	22	20
	300 ppm	37	37	37	37	35	35
	1000 ppm	36	34	33	33	33	33
	3000 ppm	10	9	10	22	20	17

TABLE D1

BODY WEIGHT CHANGES AND

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0914 MEAN BODY WEIGHTS AND SURVIVAL
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

Week-Day on Study	Control Av.Wt.	Control No.of Surviv. <50>	300 ppm Av.Wt.	300 ppm % of cont. <50>	300 ppm No.of Surviv.	1000 ppm Av.Wt.	1000 ppm % of cont. <50>	1000 ppm No.of Surviv.	3000 ppm Av.Wt.	3000 ppm % of cont. <50>	3000 ppm No.of Surviv.
0-0	121 (50)	50/50	121 (50)	100	50/50	121 (50)	100	50/50	121 (50)	100	50/50
1-7	151 (50)	50/50	149 (50)	99	50/50	151 (50)	100	50/50	143 (50)	95	50/50
2-7	179 (50)	50/50	177 (50)	99	50/50	179 (50)	100	50/50	165 (50)	92	50/50
3-7	204 (50)	50/50	201 (50)	99	50/50	203 (50)	100	50/50	188 (50)	92	50/50
4-7	224 (50)	50/50	222 (50)	99	50/50	223 (50)	100	50/50	207 (50)	92	50/50
5-7	242 (50)	50/50	239 (50)	99	50/50	239 (50)	99	50/50	220 (50)	91	50/50
6-7	256 (50)	50/50	253 (50)	99	50/50	253 (50)	99	50/50	232 (50)	91	50/50
7-7	268 (50)	50/50	266 (50)	99	50/50	265 (50)	99	50/50	245 (50)	91	50/50
8-7	280 (50)	50/50	277 (50)	99	50/50	278 (50)	99	50/50	255 (50)	91	50/50
9-7	289 (50)	50/50	289 (50)	100	50/50	288 (50)	100	50/50	263 (50)	91	50/50
10-7	296 (50)	50/50	295 (50)	100	50/50	296 (50)	100	50/50	269 (50)	91	50/50
11-7	304 (50)	50/50	302 (50)	99	50/50	303 (50)	100	50/50	276 (50)	91	50/50
12-7	312 (50)	50/50	309 (50)	99	50/50	310 (50)	99	50/50	282 (50)	90	50/50
13-7	319 (50)	50/50	316 (50)	99	50/50	318 (50)	100	50/50	286 (50)	90	50/50
14-7	323 (50)	50/50	318 (50)	98	50/50	322 (50)	100	50/50	290 (50)	90	50/50
18-7	342 (50)	50/50	334 (50)	98	50/50	338 (50)	99	50/50	303 (50)	89	50/50
22-7	353 (50)	50/50	343 (50)	97	50/50	346 (50)	98	50/50	311 (50)	88	50/50
26-7	366 (50)	50/50	356 (50)	97	50/50	358 (50)	98	50/50	318 (50)	87	50/50
30-7	376 (50)	50/50	366 (50)	97	50/50	369 (49)	98	49/50	326 (50)	87	50/50
34-7	387 (50)	50/50	376 (50)	97	50/50	377 (49)	97	49/50	327 (49)	84	49/50
38-7	394 (50)	50/50	384 (50)	97	50/50	387 (49)	98	49/50	337 (49)	86	49/50
42-7	402 (50)	50/50	391 (50)	97	50/50	395 (49)	98	49/50	342 (49)	85	49/50
46-7	408 (50)	50/50	398 (50)	98	50/50	401 (49)	98	49/50	343 (48)	84	48/50
50-7	414 (50)	50/50	405 (50)	98	50/50	407 (49)	98	49/50	349 (48)	84	48/50
54-7	419 (49)	49/50	406 (50)	97	50/50	409 (49)	98	49/50	350 (48)	84	48/50
58-7	422 (49)	49/50	408 (50)	97	50/50	412 (48)	98	48/50	349 (48)	83	48/50
62-7	425 (49)	49/50	410 (50)	96	50/50	413 (48)	97	48/50	349 (48)	82	48/50
66-7	429 (49)	49/50	415 (49)	97	49/50	417 (48)	97	48/50	352 (47)	82	47/50
70-7	430 (48)	48/50	418 (49)	97	49/50	419 (48)	97	48/50	347 (46)	81	46/50
74-7	429 (48)	48/50	417 (49)	97	49/50	418 (48)	97	48/50	346 (45)	81	45/50
78-7	429 (47)	47/50	416 (47)	97	47/50	416 (48)	97	48/50	343 (45)	80	45/50
82-7	423 (46)	46/50	413 (47)	98	47/50	411 (47)	97	47/50	340 (44)	80	44/50
86-7	421 (44)	44/50	414 (46)	98	46/50	404 (46)	96	46/50	333 (44)	79	44/50
90-7	416 (41)	41/50	408 (45)	98	45/50	403 (43)	97	43/50	327 (42)	79	42/50
94-7	411 (40)	40/50	406 (43)	99	43/50	404 (41)	98	41/50	322 (40)	78	40/50
98-7	407 (38)	38/50	401 (40)	99	40/50	400 (38)	98	38/50	316 (38)	78	38/50
102-7	405 (34)	34/50	401 (37)	99	37/50	398 (33)	98	34/50	310 (33)	77	33/50
104-7	398 (32)	32/50	394 (36)	99	36/50	393 (34)	99	34/50	304 (31)	76	31/50

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

TABLE D2

BODY WEIGHT CHANGES AND

SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0914 MEAN BODY WEIGHTS AND SURVIVAL
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

Week-Day on Study	Control Av.Wt.	Control No.of Surviv. <50>	300 ppm Av.Wt.	300 ppm % of cont. <50>	300 ppm No.of Surviv.	1000 ppm Av.Wt.	1000 ppm % of cont. <50>	1000 ppm No.of Surviv.	3000 ppm Av.Wt.	3000 ppm % of cont. <50>	3000 ppm No.of Surviv.
0-0	96 (50)	50/50	96 (50)	100	50/50	96 (50)	100	50/50	96 (50)	100	50/50
1-7	110 (50)	50/50	109 (50)	99	50/50	110 (50)	100	50/50	105 (50)	95	50/50
2-7	121 (50)	50/50	122 (50)	101	50/50	121 (50)	100	50/50	114 (50)	94	50/50
3-7	131 (50)	50/50	132 (50)	101	50/50	131 (50)	100	50/50	124 (50)	95	50/50
4-7	139 (50)	50/50	140 (50)	101	50/50	138 (50)	99	50/50	131 (50)	94	50/50
5-7	147 (50)	50/50	147 (50)	100	50/50	144 (50)	98	50/50	137 (50)	93	50/50
6-7	152 (50)	50/50	152 (50)	100	50/50	151 (50)	99	50/50	143 (50)	94	50/50
7-7	157 (50)	50/50	157 (50)	100	50/50	155 (50)	99	50/50	147 (50)	94	50/50
8-7	161 (50)	50/50	161 (50)	100	50/50	159 (50)	99	50/50	150 (50)	93	50/50
9-7	164 (50)	50/50	166 (50)	101	50/50	163 (50)	99	50/50	153 (50)	93	50/50
10-7	167 (50)	50/50	170 (50)	102	50/50	166 (50)	99	50/50	156 (50)	93	50/50
11-7	171 (50)	50/50	174 (50)	102	50/50	169 (50)	99	50/50	159 (50)	93	50/50
12-7	173 (50)	50/50	175 (50)	101	50/50	172 (50)	99	50/50	162 (50)	94	50/50
13-7	176 (50)	50/50	178 (50)	101	50/50	175 (50)	99	50/50	164 (50)	93	50/50
14-7	176 (50)	50/50	177 (50)	101	50/50	175 (50)	99	50/50	164 (50)	93	50/50
18-7	183 (50)	50/50	184 (50)	101	50/50	181 (50)	99	50/50	170 (50)	93	50/50
22-7	188 (50)	50/50	189 (50)	101	50/50	186 (50)	99	50/50	173 (50)	92	50/50
26-7	192 (50)	50/50	193 (50)	101	50/50	190 (50)	99	50/50	177 (50)	92	50/50
30-7	196 (50)	50/50	198 (50)	101	50/50	194 (50)	99	50/50	181 (50)	92	50/50
34-7	199 (50)	50/50	202 (50)	102	50/50	197 (50)	99	50/50	181 (49)	91	49/50
38-7	201 (50)	50/50	205 (50)	102	50/50	201 (50)	100	50/50	186 (49)	93	49/50
42-7	204 (50)	50/50	210 (50)	103	50/50	205 (50)	100	50/50	189 (47)	93	47/50
46-7	209 (50)	50/50	214 (50)	102	50/50	208 (50)	100	50/50	191 (46)	91	46/50
50-7	213 (50)	50/50	218 (50)	102	50/50	213 (50)	100	50/50	196 (46)	92	46/50
54-7	216 (49)	49/50	219 (50)	101	50/50	214 (50)	99	50/50	197 (45)	91	45/50
58-7	222 (49)	49/50	225 (50)	101	50/50	219 (50)	99	50/50	198 (45)	89	45/50
62-7	225 (49)	49/50	228 (50)	101	50/50	222 (50)	99	50/50	201 (44)	89	44/50
66-7	231 (48)	48/50	233 (50)	101	50/50	225 (50)	97	50/50	205 (43)	89	43/50
70-7	234 (48)	48/50	236 (50)	101	50/50	229 (50)	98	50/50	204 (41)	87	41/50
74-7	238 (47)	47/50	242 (49)	102	49/50	231 (49)	97	49/50	206 (37)	87	37/50
78-7	243 (47)	47/50	244 (48)	100	48/50	233 (48)	96	48/50	208 (35)	86	35/50
82-7	244 (46)	46/50	249 (47)	102	47/50	235 (47)	96	47/50	209 (34)	86	34/50
86-7	246 (44)	44/50	253 (47)	103	47/50	238 (45)	97	45/50	209 (34)	85	34/50
90-7	250 (40)	40/50	255 (45)	102	45/50	240 (43)	96	43/50	208 (31)	83	31/50
94-7	251 (38)	38/50	256 (45)	102	45/50	240 (41)	96	41/50	209 (29)	83	29/50
98-7	254 (36)	36/50	258 (43)	102	43/50	244 (40)	96	40/50	206 (26)	81	26/50
102-7	259 (33)	33/50	262 (40)	101	40/50	246 (38)	95	38/50	207 (24)	80	24/50
104-7	257 (33)	33/50	259 (39)	101	39/50	245 (38)	95	38/50	207 (22)	81	22/50

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

TABLE D3

BODY WEIGHT CHANGES : MALE

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 0	1	2	3	4	5	6
Control	121± 7	151± 9	179± 11	204± 11	224± 11	242± 12	256± 12
300 ppm	121± 7	149± 9	177± 11	201± 11	222± 12	239± 12	253± 12
1000 ppm	121± 7	151± 9	179± 9	203± 10	223± 10	239± 11	253± 11
3000 ppm	121± 7	143± 8**	165± 10**	188± 11**	207± 12**	220± 13**	232± 13**

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 7	8	9	10	11	12	13
Control	268± 13	280± 13	289± 14	296± 14	304± 14	312± 15	319± 15
300 ppm	266± 13	277± 13	289± 13	295± 13	302± 14	309± 15	316± 15
1000 ppm	265± 12	278± 12	288± 12	296± 13	303± 13	310± 13	318± 14
3000 ppm	245± 14**	255± 15**	263± 15**	269± 15**	276± 16**	282± 16**	286± 16**

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 14	18	22	26	30	34	38
Control	323± 15	342± 16	353± 16	366± 15	376± 17	387± 17	394± 17
300 ppm	318± 15	334± 16*	343± 18*	356± 19*	366± 20*	376± 20**	384± 21*
1000 ppm	322± 14	338± 15	346± 15	358± 19	369± 15	377± 15*	387± 16
3000 ppm	290± 16**	303± 17**	311± 17**	318± 18**	326± 18**	327± 19**	337± 19**

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 42		46		50		54		58		62		66	
Control	402±	18	408±	18	414±	19	419±	19	422±	19	425±	20	429±	21
300 ppm	391±	22*	398±	22*	405±	23*	406±	23**	408±	25**	410±	29**	415±	25**
1000 ppm	395±	17	401±	17	407±	17	409±	17*	412±	17	413±	17**	417±	17*
3000 ppm	342±	20**	343±	20**	349±	21**	350±	20**	349±	21**	349±	20**	352±	20**

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 70	74	78	82	86	90	94
Control	430± 21	429± 25	429± 24	423± 26	421± 22	416± 24	411± 25
300 ppm	418± 24*	417± 24**	416± 24**	413± 23	414± 26	408± 26	406± 26
1000 ppm	419± 18*	418± 18**	416± 18**	411± 21*	404± 27**	403± 24*	404± 22
3000 ppm	347± 18**	346± 17**	343± 17**	340± 18**	333± 18**	327± 19**	322± 21**

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 98		102		104	
Control	407±	27	405±	22	398±	25
300 ppm	401±	29	401±	27	394±	30
1000 ppm	400±	25	398±	21	393±	21
3000 ppm	316±	22**	310±	20**	304±	23**

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

TABLE D4

BODY WEIGHT CHANGES : FEMALE

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 0	1	2	3	4	5	6
Control	96± 4	110± 5	121± 5	131± 6	139± 7	147± 8	152± 8
300 ppm	96± 4	109± 5	122± 5	132± 6	140± 7	147± 8	152± 8
1000 ppm	96± 4	110± 6	121± 6	131± 6	138± 7	144± 7	151± 8
3000 ppm	96± 4	105± 5**	114± 5**	124± 6**	131± 6**	137± 7**	143± 7**

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 7	8	9	10	11	12	13
Control	157± 10	161± 11	164± 11	167± 11	171± 11	173± 11	176± 11
300 ppm	157± 8	161± 9	166± 10	170± 10	174± 10	175± 10	178± 11
1000 ppm	155± 9	159± 10	163± 9	166± 9	169± 10	172± 10	175± 9
3000 ppm	147± 8**	150± 8**	153± 8**	156± 9**	159± 9**	162± 9**	164± 8**

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 14	18	22	26	30	34	38
Control	176± 11	183± 10	188± 12	192± 12	196± 14	199± 15	201± 14
300 ppm	177± 10	184± 10	189± 11	193± 12	198± 13	202± 13	205± 14
1000 ppm	175± 9	181± 9	186± 9	190± 9	194± 10	197± 11	201± 12
3000 ppm	164± 8**	170± 8**	173± 8**	177± 9**	181± 9**	181± 9**	186± 11**

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 42	46	50	54	58	62	66
Control	204± 15	209± 15	213± 16	216± 17	222± 18	225± 18	231± 19
300 ppm	210± 14	214± 14	218± 15	219± 15	225± 16	228± 17	233± 19
1000 ppm	205± 11	208± 11	213± 13	214± 13	219± 14	222± 15	225± 16
3000 ppm	189± 12**	191± 12**	196± 12**	197± 13**	198± 15**	201± 15**	205± 16**

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 70	74	78	82	86	90	94
Control	234± 20	238± 20	243± 20	244± 21	246± 21	250± 21	251± 23
300 ppm	236± 21	242± 22	244± 21	249± 21	253± 21	255± 22	256± 21
1000 ppm	229± 17	231± 17	233± 17*	235± 18	238± 18	240± 18*	240± 18*
3000 ppm	204± 16**	206± 17**	208± 16**	209± 17**	209± 17**	208± 17**	209± 16**

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 98		102		104	
Control	254±	24	259±	23	257±	28
300 ppm	258±	24	262±	24	259±	24
1000 ppm	244±	18	246±	17*	245±	18*
3000 ppm	206±	16**	207±	16**	207±	16**

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

TABLE E1

FOOD CONSUMPTION CHANGES AND

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

MEAN FOOD CONSUMPTION(FC) AND SURVIVAL

Week-Day on Study	Control Av.FC.	Control No.of Surviv. <50>	300 ppm Av.FC.	300 ppm % of cont. <50>	300 ppm No.of Surviv.	1000 ppm Av.FC.	1000 ppm % of cont. <50>	1000 ppm No.of Surviv.	3000 ppm Av.FC.	3000 ppm % of cont. <50>	3000 ppm No.of Surviv.
1-7	16.9 (50)	50/50	16.7 (50)	99	50/50	16.4 (50)	97	50/50	15.2 (50)	90	50/50
2-7	17.8 (50)	50/50	17.8 (50)	100	50/50	17.7 (50)	99	50/50	15.7 (50)	88	50/50
3-7	18.8 (50)	50/50	18.8 (50)	100	50/50	18.5 (50)	98	50/50	16.8 (50)	89	50/50
4-7	19.0 (50)	50/50	18.9 (50)	99	50/50	18.7 (50)	98	50/50	17.4 (50)	92	50/50
5-7	19.0 (50)	50/50	19.0 (50)	100	50/50	18.5 (50)	97	50/50	17.2 (50)	91	50/50
6-7	18.5 (50)	50/50	18.5 (50)	100	50/50	18.1 (50)	98	50/50	16.9 (50)	91	50/50
7-7	18.5 (50)	50/50	18.5 (50)	100	50/50	17.7 (50)	96	50/50	16.8 (50)	91	50/50
8-7	18.5 (50)	50/50	18.2 (50)	98	50/50	17.7 (50)	96	50/50	16.7 (50)	90	50/50
9-7	18.3 (50)	50/50	18.2 (50)	99	50/50	17.8 (50)	97	50/50	16.5 (50)	90	50/50
10-7	18.0 (50)	50/50	18.0 (50)	100	50/50	17.9 (50)	99	50/50	16.3 (50)	91	50/50
11-7	18.1 (50)	50/50	17.9 (50)	99	50/50	17.8 (50)	98	50/50	16.4 (50)	91	50/50
12-7	17.9 (50)	50/50	17.4 (50)	97	50/50	17.9 (50)	100	50/50	16.4 (50)	92	50/50
13-7	17.9 (50)	50/50	17.6 (50)	98	50/50	17.8 (50)	99	50/50	16.1 (50)	90	50/50
14-7	17.6 (50)	50/50	17.2 (50)	98	50/50	17.4 (50)	99	50/50	15.9 (50)	90	50/50
18-7	17.8 (50)	50/50	17.1 (50)	96	50/50	17.4 (50)	98	50/50	16.1 (50)	90	50/50
22-7	17.9 (50)	50/50	17.3 (50)	97	50/50	17.1 (50)	96	50/50	15.8 (50)	88	50/50
26-7	18.4 (50)	50/50	18.0 (50)	98	50/50	18.0 (50)	98	50/50	16.2 (50)	88	50/50
30-7	18.5 (50)	50/50	18.1 (50)	98	50/50	18.2 (49)	98	49/50	16.9 (50)	91	50/50
34-7	18.6 (50)	50/50	18.1 (50)	97	50/50	18.0 (49)	97	49/50	16.0 (49)	86	49/50
38-7	18.0 (50)	50/50	17.6 (50)	98	50/50	18.2 (49)	101	49/50	16.3 (49)	91	49/50
42-7	18.3 (50)	50/50	17.9 (50)	98	50/50	18.0 (49)	98	49/50	16.3 (49)	89	49/50
46-7	18.5 (50)	50/50	18.3 (50)	99	50/50	18.3 (49)	99	49/50	16.5 (48)	89	48/50
50-7	18.0 (50)	50/50	18.0 (50)	100	50/50	18.1 (49)	101	49/50	16.8 (48)	93	48/50
54-7	17.9 (49)	49/50	17.5 (50)	98	50/50	17.5 (49)	98	49/50	16.4 (48)	92	48/50
58-7	18.3 (49)	49/50	17.7 (50)	97	50/50	17.8 (48)	97	48/50	15.9 (48)	87	48/50
62-7	17.9 (49)	49/50	17.4 (50)	97	50/50	17.4 (48)	97	48/50	16.1 (48)	90	48/50
66-7	18.4 (49)	49/50	18.0 (49)	98	49/50	18.1 (48)	98	48/50	16.6 (47)	90	47/50
70-7	18.2 (48)	48/50	18.2 (49)	100	49/50	18.0 (48)	99	48/50	15.9 (46)	87	46/50
74-7	18.0 (48)	48/50	17.5 (49)	97	49/50	17.9 (48)	99	48/50	16.0 (45)	89	45/50
78-7	17.5 (47)	47/50	17.5 (47)	100	47/50	17.2 (48)	98	48/50	15.8 (45)	90	45/50
82-7	17.6 (46)	46/50	17.6 (47)	100	47/50	17.0 (47)	97	47/50	16.2 (44)	92	44/50
86-7	17.3 (44)	44/50	17.9 (46)	103	46/50	16.6 (46)	96	46/50	15.4 (44)	89	44/50
90-7	17.5 (41)	41/50	17.2 (45)	98	45/50	16.8 (43)	96	43/50	15.5 (42)	89	42/50
94-7	17.1 (40)	40/50	16.9 (43)	99	43/50	17.1 (41)	100	41/50	15.6 (40)	91	40/50
98-7	17.4 (38)	38/50	17.3 (40)	99	40/50	17.4 (38)	100	38/50	15.2 (38)	87	38/50
102-7	17.5 (34)	34/50	17.3 (37)	99	37/50	17.1 (34)	98	34/50	15.6 (33)	89	33/50
104-7	17.4 (32)	32/50	17.0 (36)	98	36/50	17.1 (34)	98	34/50	15.3 (31)	88	31/50

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

TABLE E2

FOOD CONSUMPTION CHANGES AND

SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

MEAN FOOD CONSUMPTION(FC) AND SURVIVAL

Week-Day on Study	Control Av.FC.	Control No.of Surviv. <50>	300 ppm Av.FC.	300 ppm % of cont. <50>	300 ppm No.of Surviv.	1000 ppm Av.FC.	1000 ppm % of cont. <50>	1000 ppm No.of Surviv.	3000 ppm Av.FC.	3000 ppm % of cont. <50>	3000 ppm No.of Surviv.
1-7	12.5 (50)	50/50	12.7 (50)	102	50/50	12.5 (50)	100	50/50	11.6 (50)	93	50/50
2-7	12.7 (50)	50/50	12.9 (50)	102	50/50	12.8 (50)	101	50/50	11.3 (50)	89	50/50
3-7	13.1 (50)	50/50	13.3 (50)	102	50/50	13.0 (50)	99	50/50	11.8 (50)	90	50/50
4-7	13.0 (50)	50/50	13.0 (50)	100	50/50	12.7 (50)	98	50/50	11.8 (50)	91	50/50
5-7	12.8 (50)	50/50	13.1 (49)	102	50/50	12.5 (50)	98	50/50	11.9 (50)	93	50/50
6-7	12.4 (50)	50/50	12.6 (50)	102	50/50	12.3 (50)	99	50/50	11.5 (50)	93	50/50
7-7	12.7 (49)	50/50	12.7 (50)	100	50/50	12.4 (50)	98	50/50	11.7 (50)	92	50/50
8-7	12.6 (50)	50/50	12.4 (50)	98	50/50	12.1 (50)	96	50/50	11.5 (50)	91	50/50
9-7	12.2 (50)	50/50	12.5 (49)	102	50/50	12.0 (50)	98	50/50	11.4 (50)	93	50/50
10-7	12.4 (50)	50/50	12.6 (50)	102	50/50	12.1 (50)	98	50/50	11.7 (50)	94	50/50
11-7	12.4 (50)	50/50	12.5 (50)	101	50/50	12.1 (50)	98	50/50	11.8 (50)	95	50/50
12-7	11.6 (50)	50/50	12.1 (50)	104	50/50	12.0 (50)	103	50/50	11.4 (50)	98	50/50
13-7	12.1 (50)	50/50	12.3 (50)	102	50/50	12.2 (50)	101	50/50	11.9 (50)	98	50/50
14-7	11.6 (49)	50/50	11.5 (50)	99	50/50	11.6 (50)	100	50/50	11.0 (49)	95	50/50
18-7	11.8 (50)	50/50	11.9 (48)	101	50/50	11.7 (49)	99	50/50	11.7 (49)	99	50/50
22-7	12.0 (50)	50/50	12.7 (49)	106	50/50	12.2 (50)	102	50/50	11.8 (49)	98	50/50
26-7	12.3 (49)	50/50	12.8 (49)	104	50/50	12.7 (50)	103	50/50	11.7 (49)	95	50/50
30-7	12.7 (50)	50/50	13.1 (49)	103	50/50	12.7 (50)	100	50/50	12.8 (49)	101	50/50
34-7	12.2 (50)	50/50	12.6 (50)	103	50/50	12.5 (50)	102	50/50	11.7 (49)	96	49/50
38-7	12.1 (50)	50/50	12.3 (48)	102	50/50	12.5 (50)	103	50/50	12.4 (49)	102	49/50
42-7	12.0 (50)	50/50	13.1 (49)	109	50/50	12.7 (50)	106	50/50	12.4 (47)	103	47/50
46-7	12.1 (50)	50/50	12.5 (50)	103	50/50	12.2 (50)	101	50/50	12.0 (46)	99	46/50
50-7	12.4 (50)	50/50	12.8 (50)	103	50/50	12.6 (50)	102	50/50	12.7 (46)	102	46/50
54-7	12.0 (49)	49/50	12.3 (50)	103	50/50	11.8 (50)	98	50/50	12.0 (45)	100	45/50
58-7	12.5 (49)	49/50	13.2 (50)	106	50/50	12.7 (50)	102	50/50	12.0 (45)	96	45/50
62-7	12.4 (49)	49/50	12.7 (50)	102	50/50	12.1 (50)	98	50/50	12.2 (44)	98	44/50
66-7	12.9 (48)	48/50	13.0 (50)	101	50/50	12.5 (50)	97	50/50	12.4 (43)	96	43/50
70-7	12.5 (48)	48/50	13.0 (50)	104	50/50	12.8 (50)	102	50/50	12.3 (41)	98	41/50
74-7	12.6 (47)	47/50	12.9 (49)	102	49/50	12.4 (49)	98	49/50	12.3 (37)	98	37/50
78-7	12.8 (47)	47/50	13.2 (48)	103	48/50	12.6 (48)	98	48/50	12.5 (35)	98	35/50
82-7	12.7 (46)	46/50	13.4 (47)	106	47/50	12.7 (47)	100	47/50	12.5 (34)	98	34/50
86-7	12.6 (44)	44/50	13.5 (47)	107	47/50	12.3 (45)	98	45/50	11.8 (34)	94	34/50
90-7	13.0 (40)	40/50	13.5 (45)	104	45/50	12.5 (43)	96	43/50	11.8 (31)	91	31/50
94-7	12.9 (38)	38/50	13.1 (45)	102	45/50	12.7 (41)	98	41/50	12.1 (29)	94	29/50
98-7	13.3 (36)	36/50	13.5 (43)	102	43/50	13.1 (40)	98	40/50	11.7 (26)	88	26/50
102-7	13.8 (33)	33/50	13.6 (40)	99	40/50	13.2 (38)	96	38/50	12.1 (24)	88	24/50
104-7	13.6 (33)	33/50	13.2 (39)	97	39/50	13.1 (38)	96	38/50	12.3 (22)	90	22/50

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

TABLE E3

FOOD CONSUMPTION CHANGES : MALE

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 1	2	3	4	5	6	7
Control	16.9± 1.2	17.8± 1.3	18.8± 1.3	19.0± 1.3	19.0± 1.4	18.5± 1.2	18.5± 1.2
300 ppm	16.7± 1.4	17.8± 1.7	18.8± 1.7	18.9± 1.7	19.0± 1.6	18.5± 1.5	18.5± 1.6
1000 ppm	16.4± 1.2	17.7± 1.4	18.5± 1.6	18.7± 1.4	18.5± 1.2	18.1± 1.2	17.7± 1.1**
3000 ppm	15.2± 1.1**	15.7± 1.6**	16.8± 1.5**	17.4± 1.4**	17.2± 1.3**	16.9± 1.3**	16.8± 1.1**

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 8	9	10	11	12	13	14
Control	18.5± 1.3	18.3± 1.1	18.0± 1.1	18.1± 1.1	17.9± 1.1	17.9± 1.1	17.6± 1.0
300 ppm	18.2± 1.4	18.2± 1.3	18.0± 1.3	17.9± 1.3	17.4± 1.1*	17.6± 1.1	17.2± 1.0
1000 ppm	17.7± 0.9**	17.8± 0.9	17.9± 1.0	17.8± 1.0	17.9± 1.1	17.8± 1.0	17.4± 0.9
3000 ppm	16.7± 1.1**	16.5± 1.1**	16.3± 1.1**	16.4± 1.2**	16.4± 1.1**	16.1± 1.0**	15.9± 0.9**

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 18	22	26	30	34	38	42
Control	17.8± 1.2	17.9± 0.9	18.4± 0.8	18.5± 1.0	18.6± 1.0	18.0± 0.9	18.3± 0.9
300 ppm	17.1± 1.0**	17.3± 1.2*	18.0± 1.1	18.1± 1.2	18.1± 1.2	17.6± 0.9	17.9± 1.1
1000 ppm	17.4± 0.9	17.1± 0.9**	18.0± 1.0	18.2± 1.0	18.0± 0.8*	18.2± 0.9	18.0± 1.1
3000 ppm	16.1± 1.0**	15.8± 1.0**	16.2± 0.9**	16.9± 1.0**	16.0± 0.8**	16.3± 0.9**	16.3± 0.9**

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 46	50	54	58	62	66	70
Control	18.5± 0.8	18.0± 0.9	17.9± 0.9	18.3± 0.8	17.9± 0.8	18.4± 1.0	18.2± 1.0
300 ppm	18.3± 1.2	18.0± 1.0	17.5± 1.2	17.7± 1.5*	17.4± 1.7	18.0± 1.1	18.2± 1.2
1000 ppm	18.3± 1.0	18.1± 0.9	17.5± 1.0	17.8± 0.9*	17.4± 0.8**	18.1± 0.9	18.0± 0.9
3000 ppm	16.5± 1.0**	16.8± 1.0**	16.4± 1.0**	15.9± 1.0**	16.1± 0.9**	16.6± 0.9**	15.9± 0.8**

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 74	78	82	86	90	94	98
Control	18.0± 1.4	17.5± 1.0	17.6± 2.0	17.3± 1.2	17.5± 1.1	17.1± 1.3	17.4± 1.7
300 ppm	17.5± 1.0**	17.5± 1.0	17.6± 1.1	17.9± 1.2	17.2± 1.4	16.9± 1.7	17.3± 1.8
1000 ppm	17.9± 0.9	17.2± 1.0	17.0± 1.9	16.6± 2.1*	16.8± 2.3	17.1± 1.1	17.4± 1.6
3000 ppm	16.0± 0.8**	15.8± 0.8**	16.2± 1.0**	15.4± 1.5**	15.5± 1.0**	15.6± 1.2**	15.2± 1.9**

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 102	104
Control	17.5± 2.0	17.4± 2.1
300 ppm	17.3± 1.3	17.0± 1.3
1000 ppm	17.1± 1.3	17.1± 1.6
3000 ppm	15.6± 1.1**	15.3± 1.6**

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

TABLE E4

FOOD CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 1	2	3	4	5	6	7
Control	12.5± 1.0	12.7± 1.2	13.1± 1.1	13.0± 1.1	12.8± 1.2	12.4± 0.9	12.7± 1.2
300 ppm	12.7± 0.8	12.9± 1.0	13.3± 1.1	13.0± 1.4	13.1± 1.1	12.6± 1.3	12.7± 1.2
1000 ppm	12.5± 0.9	12.8± 1.0	13.0± 1.0	12.7± 0.9	12.5± 1.1	12.3± 1.2	12.4± 1.4
3000 ppm	11.6± 1.0**	11.3± 1.0**	11.8± 1.1**	11.8± 0.9**	11.9± 1.0**	11.5± 0.9**	11.7± 1.1**

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 8	9	10	11	12	13	14
Control	12.6± 1.8	12.2± 1.3	12.4± 1.5	12.4± 1.3	11.6± 1.0	12.1± 1.1	11.6± 1.0
300 ppm	12.4± 1.2	12.5± 1.4	12.6± 1.4	12.5± 1.3	12.1± 1.1	12.3± 1.5	11.5± 1.1
1000 ppm	12.1± 1.4	12.0± 1.1	12.1± 0.9	12.1± 1.6	12.0± 1.4	12.2± 1.4	11.6± 1.0
3000 ppm	11.5± 0.9**	11.4± 0.9**	11.7± 1.1*	11.8± 1.1*	11.4± 1.0	11.9± 1.3	11.0± 0.6**

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 18	22	26	30	34	38	42
Control	11.8± 1.0	12.0± 1.2	12.3± 1.2	12.7± 1.8	12.2± 1.9	12.1± 1.3	12.0± 1.1
300 ppm	11.9± 0.9	12.7± 1.7	12.8± 1.8	13.1± 1.8	12.6± 1.5	12.3± 1.4	13.1± 1.7**
1000 ppm	11.7± 1.1	12.2± 1.1	12.7± 1.9	12.7± 1.5	12.5± 1.6	12.5± 1.3	12.7± 1.1*
3000 ppm	11.7± 1.0	11.8± 1.6	11.7± 0.9	12.8± 1.3	11.7± 1.3	12.4± 1.4	12.4± 1.3

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 46	50	54	58	62	66	70
Control	12.1± 1.1	12.4± 1.1	12.0± 1.1	12.5± 1.1	12.4± 1.1	12.9± 1.2	12.5± 1.8
300 ppm	12.5± 1.3	12.8± 1.3	12.3± 1.1	13.2± 1.8	12.7± 1.2	13.0± 1.1	13.0± 1.1
1000 ppm	12.2± 1.2	12.6± 1.2	11.8± 1.3	12.7± 1.5	12.1± 1.0	12.5± 1.1	12.8± 1.2
3000 ppm	12.0± 1.2	12.7± 1.2	12.0± 0.9	12.0± 1.1	12.2± 1.0	12.4± 1.2	12.3± 1.0

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 74	78	82	86	90	94	98
Control	12.6± 1.0	12.8± 1.0	12.7± 1.3	12.6± 1.4	13.0± 1.7	12.9± 1.2	13.3± 1.3
300 ppm	12.9± 1.2	13.2± 1.1	13.4± 1.1*	13.5± 1.5*	13.5± 1.5	13.1± 1.8	13.5± 1.4
1000 ppm	12.4± 1.0	12.6± 1.0	12.7± 1.6	12.3± 0.9	12.5± 0.8**	12.7± 1.2	13.1± 1.0
3000 ppm	12.3± 1.0	12.5± 1.2	12.5± 1.1	11.8± 1.0**	11.8± 0.8**	12.1± 0.7**	11.7± 0.8**

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week 102	104
Control	13.8± 1.8	13.6± 2.3
300 ppm	13.6± 1.9	13.2± 1.8
1000 ppm	13.2± 1.6*	13.1± 1.5
3000 ppm	12.1± 0.9**	12.3± 0.9**

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

TABLE F1

URINARYSIS : MALE

STUDY NO. : 0914 URINALYSIS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

Group Name	NO. of Animals	pH 5.0	6.0	6.5	7.0	7.5	8.0	8.5	CHI	Protein −	±	+	2+	3+	4+	CHI	Glucose −	±	+	2+	3+	4+	CHI	Ketone body −	±	+	2+	3+	4+	CHI	Bilirubin −	+	2+	3+	CHI
Control	31	0	0	2	1	4	11	13		0	0	5	3	23	0		31	0	0	0	0	0		24	5	2	0	0	0		30	0	0	1	
300 ppm	34	0	3	2	4	3	8	14		0	1	4	12	12	5	**	34	0	0	0	0	0		29	4	1	0	0	0		32	1	0	1	
1000 ppm	34	0	0	0	4	9	11	10		0	0	8	6	19	1		34	0	0	0	0	0		28	4	2	0	0	0		34	0	0	0	
3000 ppm	31	0	1	1	6	8	4	11		0	6	4	8	10	3	**	31	0	0	0	0	0		21	6	4	0	0	0		31	0	0	0	

Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of CHI SQUARE

STUDY NO. : 0914 URINALYSIS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

Group Name	NO. of Animals	Occult blood −	±	＋	2+	3+	CHI	Urobilinogen ±	＋	2+	3+	4+	CHI
Control	31	31	0	0	0	0		31	0	0	0	0	
300 ppm	34	34	0	0	0	0		33	1	0	0	0	
1000 ppm	34	34	0	0	0	0		34	0	0	0	0	
3000 ppm	31	25	1	1	1	3		31	0	0	0	0	

Significant difference ; ＊ : P ≦ 0.05 ＊＊ : P ≦ 0.01 Test of CHI SQUARE

TABLE F2

URINARYSIS : FEMALE

STUDY NO. : 0914 URINALYSIS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

Group Name	NO. of Animals	pH 5.0	6.0	6.5	7.0	7.5	8.0	8.5	CHI	Protein −	±	+	2+	3+	4+	CHI	Glucose −	±	+	2+	3+	4+	CHI	Ketone body −	±	+	2+	3+	4+	CHI	Bilirubin −	+	2+	3+	CHI
Control	32	0	2	0	2	0	14	14		1	1	6	15	7	2		32	0	0	0	0	0		8	21	3	0	0	0		31	1	0	0	
300 ppm	39	0	0	0	0	1	21	17		2	5	6	10	12	4		39	0	0	0	0	0		12	23	4	0	0	0		37	2	0	0	
1000 ppm	38	0	0	1	1	2	17	17		3	3	10	14	5	3		38	0	0	0	0	0		6	24	7	1	0	0		37	1	0	0	
3000 ppm	21	0	0	0	0	2	5	14		3	6	9	3	0	0	**	21	0	0	0	0	0		7	13	1	0	0	0		21	0	0	0	

Significant difference ; ＊ : P ≦ 0.05 ＊＊ : P ≦ 0.01 Test of CHI SQUARE

Group Name	NO. of Animals	Occult blood −	±	+	2+	3+	CHI	Urobilinogen ±	+	2+	3+	4+	CHI
Control	32	32	0	0	0	0		32	0	0	0	0	
300 ppm	39	37	1	0	1	0		39	0	0	0	0	
1000 ppm	38	37	1	0	0	0		38	0	0	0	0	
3000 ppm	21	21	0	0	0	0		21	0	0	0	0	

Significant difference ; ＊ : P ≦ 0.05 ＊＊ : P ≦ 0.01 Test of CHI SQUARE

TABLE G1

HEMATOLOGY : MALE

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (105W)

Group Name	NO. of Animals	RED BLOOD CELL $10^6/\mu\ell$		HEMOGLOBIN g/dℓ		HEMATOCRIT %		MCV fℓ		MCH pg		MCHC g/dℓ		PLATELET $10^3/\mu\ell$	
Control	31	8.22±	1.35	13.2±	2.4	39.4±	6.0	48.3±	4.3	16.1±	1.4	33.4±	1.8	750±	155
300 ppm	36	7.90±	1.53	13.1±	2.4	38.8±	6.2	50.0±	7.2	16.7±	2.1	33.5±	1.3	736±	180
1000 ppm	34	8.23±	1.50	13.4±	2.4	39.7±	6.2	48.7±	5.3	16.3±	1.9	33.5±	1.4	726±	167
3000 ppm	31	9.43±	2.74**	14.4±	4.4	43.3±	12.0*	46.4±	4.9*	15.3±	2.1	32.8±	2.3	668±	210

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

Group Name	NO. of Animals	RETICULOCYTE %	
Control	31	6.8±	8.1
300 ppm	36	7.4±	6.9
1000 ppm	34	6.6±	5.9
3000 ppm	31	7.2±	7.3

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (105W)

Group Name	NO. of Animals	WBC $10^3/\mu\ell$		Differential WBC (%) NEUTRO		LYMPHO		MONO		EOSINO		BASO	
Control	31	4.62±	1.74	54.7±	6.5	37.7±	5.3	6.1±	2.5	1.4±	0.5	0.2±	0.2
300 ppm	36	9.26±	21.38	49.0±	15.0	42.1±	12.6	7.1±	4.7	1.4±	0.6	0.4±	1.4
1000 ppm	34	4.30±	3.98	54.3±	11.8	38.2±	9.4	5.7±	2.6	1.3±	0.6	0.4±	1.8
3000 ppm	31	7.06±	15.12	52.6±	11.8	39.4±	8.1	6.8±	5.1	0.7±	0.5**	0.5±	1.4

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

TABLE G2

HEMATOLOGY : FEMALE

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	33	8.16± 0.74	14.7± 1.3	41.3± 3.2	50.7± 1.9	18.0± 0.5	35.5± 0.7	595± 84
300 ppm	39	8.00± 1.32	14.3± 2.1	40.5± 5.4	51.3± 5.4	18.1± 1.9	35.3± 0.7	605± 156
1000 ppm	38	8.43± 0.39	15.2± 0.6	42.6± 1.9	50.5± 0.7	18.0± 0.4	35.7± 0.6	606± 58
3000 ppm	22	8.29± 1.02	14.7± 1.3	41.9± 3.4	51.0± 4.8	17.9± 1.7	35.1± 0.7*	581± 103

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

Group Name	NO. of Animals	RETICULOCYTE %
Control	33	3.6± 1.9
300 ppm	39	4.7± 3.9
1000 ppm	38	3.3± 0.6
3000 ppm	22	4.6± 5.1

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

Group Name	NO. of Animals	WBC $10^3/\mu\ell$	Differential WBC (%) NEUTRO	LYMPHO	MONO	EOSINO	BASO
Control	33	2.19± 1.46	47.7± 12.0	45.0± 11.7	5.5± 1.9	1.6± 0.8	0.1± 0.2
300 ppm	39	3.64± 6.52	46.4± 12.9	45.7± 12.3	6.1± 4.0	1.5± 0.7	0.3± 0.4
1000 ppm	38	1.76± 0.77	50.6± 9.5	43.4± 9.1	4.5± 0.8*	1.5± 0.6	0.1± 0.2
3000 ppm	22	2.40± 1.44	51.3± 12.1	42.1± 10.6	5.1± 3.5*	1.2± 0.8	0.3± 1.0

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

TABLE H1

BIOCHEMISTRY : MALE

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (105W)

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	31	6.6±	0.4	3.4±	0.3	1.1±	0.2	0.18±	0.12	157±	27	177±	59	108±	97
300 ppm	36	6.6±	0.2	3.4±	0.2	1.1±	0.2	0.28±	0.37*	166±	24	174±	48	108±	92
1000 ppm	34	6.6±	0.4	3.5±	0.2	1.1±	0.1	0.19±	0.16	158±	33	157±	31	78±	38
3000 ppm	31	6.2±	0.5**	3.2±	0.4	1.1±	0.2	0.16±	0.12	133±	33**	119±	73**	62±	92**

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

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	31	247± 93	103± 32	44± 17	137± 39	364± 143	9.2± 4.6	122± 33
300 ppm	36	239± 56	139± 142	44± 19	160± 116	410± 146	13.9± 8.1*	174± 298
1000 ppm	34	221± 45	95± 45	39± 11	150± 204	333± 120	10.3± 6.4	118± 29
3000 ppm	31	187± 114**	199± 295**	67± 72**	316± 968	425± 166	6.4± 6.8**	181± 290

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

Group Name	NO. of Animals	UREANITROGEN mg／dℓ		CREATININE mg／dℓ		SODIUM mEq／ℓ		POTASSIUM mEq／ℓ		CHLORIDE mEq／ℓ		CALCIUM mg／dℓ		INORGANIC PHOSPHRUS mg／dℓ	
Control	31	17.2±	3.1	0.37±	0.05	142±	2	3.8±	0.4	105±	2	10.0±	0.3	3.5±	0.7
300 ppm	36	17.2±	1.9	0.36±	0.04	142±	1	3.9±	0.3	106±	1	10.1±	0.3	3.7±	0.6
1000 ppm	34	17.2±	3.1	0.35±	0.03	142±	1	3.8±	0.3	106±	2	9.9±	0.3	3.5±	0.6
3000 ppm	31	19.0±	8.2	0.38±	0.19	142±	1	4.1±	0.4**	104±	3**	9.8±	0.5*	4.3±	2.3

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

TABLE H2

BIOCHEMISTRY : FEMALE

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (105W)

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	33	7.0±	0.5	4.2±	0.4	1.5±	0.2	0.12±	0.04	139±	20	144±	18	61±	22
300 ppm	39	6.9±	0.8	4.1±	0.7	1.5±	0.2	0.15±	0.15	140±	23	141±	32	79±	41
1000 ppm	38	6.9±	0.3	4.2±	0.3	1.5±	0.2	0.12±	0.08	147±	15	150±	134**	110±	405**
3000 ppm	22	6.6±	0.3**	4.1±	0.3	1.6±	0.2	0.12±	0.07	135±	11	111±	15**	30±	11**

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

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	33	246± 32	187± 74	76± 39	180± 64	195± 59	2.0± 1.4	143± 189
300 ppm	39	245± 46	197± 170	69± 29	260± 500	245± 167	2.8± 3.0	119± 72
1000 ppm	38	255± 180*	143± 70*	62± 28	163± 68	186± 38	2.1± 2.5	96± 13**
3000 ppm	22	197± 24**	148± 63	58± 17	136± 51**	224± 71	2.1± 1.5	119± 85

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

Group Name	NO. of Animals	UREANITROGEN mg／dℓ		CREATININE mg／dℓ		SODIUM mEq／ℓ		POTASSIUM mEq／ℓ		CHLORIDE mEq／ℓ		CALCIUM mg／dℓ		INORGANIC PHOSPHRUS mg／dℓ	
Control	33	17.4±	2.7	0.32±	0.03	141±	2	3.5±	0.4	103±	2	10.2±	0.4	3.8±	0.9
300 ppm	39	20.7±	24.0	0.34±	0.06	141±	1	3.6±	0.6	103±	2	10.1±	0.4	3.9±	1.8
1000 ppm	38	17.5±	1.9	0.34±	0.05	141±	2	3.4±	0.3	103±	2	10.2±	0.4	3.6±	0.8
3000 ppm	22	17.4±	1.8	0.31±	0.04	142±	1	3.6±	0.4	104±	2*	9.8±	0.3**	3.7±	0.6

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

TABLE I1

GROSS FINDINGS : MALE

Organ	Findings	Group Name / NO. of Animals	Control 50	(%)	300 ppm 50	(%)	1000 ppm 50	(%)	3000 ppm 50	(%)
skin/app	nodule		5	(10)	3	(6)	5	(10)	4	(8)
	ulcer		0	(0)	0	(0)	0	(0)	1	(2)
subcutis	jaundice		3	(6)	1	(2)	3	(6)	0	(0)
	mass		8	(16)	5	(10)	7	(14)	3	(6)
nasal cavit	white zone		0	(0)	0	(0)	0	(0)	7	(14)
lung	white zone		5	(10)	5	(10)	3	(6)	2	(4)
	red zone		2	(4)	2	(4)	2	(4)	5	(10)
	nodule		1	(2)	1	(2)	0	(0)	0	(0)
	voluminous		0	(0)	0	(0)	0	(0)	1	(2)
lymph node	enlarged		5	(10)	2	(4)	5	(10)	2	(4)
	red		0	(0)	1	(2)	0	(0)	0	(0)
	nodule		0	(0)	0	(0)	0	(0)	1	(2)
thymus	enlarged		0	(0)	0	(0)	1	(2)	0	(0)
spleen	enlarged		14	(28)	20	(40)	13	(26)	7	(14)
	white zone		2	(4)	2	(4)	0	(0)	2	(4)
	nodule		1	(2)	0	(0)	1	(2)	0	(0)
	deformed		0	(0)	0	(0)	2	(4)	0	(0)
heart	white zone		1	(2)	1	(2)	0	(0)	1	(2)
oral cavity	nodule		1	(2)	0	(0)	0	(0)	0	(0)
	food		0	(0)	1	(2)	1	(2)	4	(8)
stomach	gas		0	(0)	0	(0)	0	(0)	1	(2)
	forestomach:ulcer		0	(0)	1	(2)	0	(0)	0	(0)

Organ	Findings	Group Name / NO. of Animals	Control 50	(%)	300 ppm 50	(%)	1000 ppm 50	(%)	3000 ppm 50	(%)
stomach	forestomach:erosion		1	(2)	0	(0)	0	(0)	0	(0)
	forestomach:nodule		0	(0)	0	(0)	0	(0)	1	(2)
	glandular stomach:ulcer		0	(0)	0	(0)	1	(2)	0	(0)
small intes	nodule		1	(2)	1	(2)	0	(0)	0	(0)
	gas		0	(0)	0	(0)	0	(0)	1	(2)
large intes	red zone		0	(0)	1	(2)	0	(0)	0	(0)
	dilated		1	(2)	0	(0)	0	(0)	0	(0)
	gas		0	(0)	0	(0)	0	(0)	1	(2)
liver	enlarged		8	(16)	3	(6)	4	(8)	2	(4)
	white zone		2	(4)	3	(6)	1	(2)	1	(2)
	nodule		2	(4)	2	(4)	1	(2)	3	(6)
	cyst		1	(2)	0	(0)	0	(0)	0	(0)
	rough		4	(8)	6	(12)	6	(12)	0	(0)
	herniation		10	(20)	4	(8)	5	(10)	6	(12)
pancreas	nodule		0	(0)	1	(2)	0	(0)	2	(4)
kidney	enlarged		0	(0)	0	(0)	0	(0)	1	(2)
	white zone		2	(4)	1	(2)	0	(0)	0	(0)
	granular		3	(6)	0	(0)	1	(2)	1	(2)
urin bladd	urine:marked retention		1	(2)	0	(0)	0	(0)	2	(4)
	urine:red		0	(0)	0	(0)	0	(0)	1	(2)
pituitary	enlarged		3	(6)	3	(6)	9	(18)	3	(6)
	red zone		2	(4)	1	(2)	2	(4)	0	(0)

Organ	Findings	Group Name / NO. of Animals	Control 50 (%)	300 ppm 50 (%)	1000 ppm 50 (%)	3000 ppm 50 (%)
pituitary	black zone		3 (6)	1 (2)	1 (2)	2 (4)
	nodule		0 (0)	1 (2)	0 (0)	1 (2)
	cyst		0 (0)	1 (2)	0 (0)	0 (0)
thyroid	enlarged		1 (2)	0 (0)	0 (0)	0 (0)
	nodule		11 (22)	5 (10)	8 (16)	3 (6)
adrenal	enlarged		2 (4)	3 (6)	0 (0)	1 (2)
testis	red		0 (0)	0 (0)	0 (0)	1 (2)
	nodule		37 (74)	43 (86)	40 (80)	41 (82)
brain	red zone		1 (2)	0 (0)	0 (0)	1 (2)
	deformed		0 (0)	0 (0)	1 (2)	0 (0)
spinal cord	red zone		0 (0)	1 (2)	0 (0)	1 (2)
eye	turbid		0 (0)	0 (0)	2 (4)	1 (2)
	white		2 (4)	1 (2)	1 (2)	3 (6)
	red		0 (0)	0 (0)	1 (2)	0 (0)
	hemorrhage		0 (0)	0 (0)	0 (0)	1 (2)
Zymbal gl	nodule		0 (0)	1 (2)	1 (2)	1 (2)
muscle	nodule		1 (2)	0 (0)	0 (0)	0 (0)
bone	nodule		1 (2)	0 (0)	2 (4)	0 (0)
pleura	nodule		0 (0)	0 (0)	1 (2)	0 (0)
	mass		0 (0)	1 (2)	0 (0)	0 (0)
peritoneum	nodule		3 (6)	2 (4)	0 (0)	0 (0)
retroperit	mass		1 (2)	0 (0)	0 (0)	1 (2)

Organ	Findings	Group Name / NO. of Animals	Control 50	(%)	300 ppm 50	(%)	1000 ppm 50	(%)	3000 ppm 50	(%)
abdominal c	hemorrhage		0	(0)	0	(0)	1	(2)	0	(0)
	ascites		2	(4)	2	(4)	0	(0)	1	(2)
thoracic ca	hemorrhage		0	(0)	1	(2)	0	(0)	0	(0)
	pleural fluid		3	(6)	1	(2)	1	(2)	1	(2)
other	hemorrhage		0	(0)	0	(0)	0	(0)	1	(2)
	ear:nodule		0	(0)	1	(2)	0	(0)	1	(2)
	nose:nodule		0	(0)	0	(0)	0	(0)	1	(2)
whole body	anemic		1	(2)	1	(2)	1	(2)	0	(0)

TABLE I2

GROSS FINDINGS : FEMALE

Organ	Findings	Group Name / NO. of Animals	Control 50	(%)	300 ppm 50	(%)	1000 ppm 50	(%)	3000 ppm 50	(%)
skin/app	nodule		1	(2)	0	(0)	1	(2)	0	(0)
subcutis	jaundice		0	(0)	0	(0)	1	(2)	0	(0)
	mass		10	(20)	10	(20)	5	(10)	1	(2)
nasal cavit	white zone		0	(0)	0	(0)	0	(0)	4	(8)
	black zone		0	(0)	0	(0)	0	(0)	1	(2)
lung	red		0	(0)	0	(0)	0	(0)	1	(2)
	white zone		0	(0)	6	(12)	1	(2)	0	(0)
	red zone		0	(0)	1	(2)	1	(2)	1	(2)
	brown zone		0	(0)	1	(2)	0	(0)	0	(0)
	nodule		1	(2)	0	(0)	1	(2)	0	(0)
	voluminous		1	(2)	0	(0)	0	(0)	2	(4)
lymph node	enlarged		0	(0)	2	(4)	2	(4)	1	(2)
	red		1	(2)	0	(0)	0	(0)	0	(0)
spleen	enlarged		10	(20)	7	(14)	4	(8)	4	(8)
	white zone		3	(6)	0	(0)	0	(0)	1	(2)
	black zone		1	(2)	0	(0)	0	(0)	0	(0)
	nodule		1	(2)	0	(0)	0	(0)	0	(0)
	cyst		0	(0)	0	(0)	0	(0)	1	(2)
	deformed		1	(2)	0	(0)	0	(0)	0	(0)
heart	nodule		1	(2)	0	(0)	0	(0)	0	(0)
oral cavity	food		2	(4)	1	(2)	4	(8)	18	(36)
	thick		0	(0)	0	(0)	1	(2)	0	(0)

Organ	Findings	Group Name / NO. of Animals	Control 50 (%)	300 ppm 50 (%)	1000 ppm 50 (%)	3000 ppm 50 (%)
tongue	nodule		0 (0)	0 (0)	0 (0)	1 (2)
stomach	forestomach:ulcer		0 (0)	1 (2)	0 (0)	0 (0)
	forestomach:thick		0 (0)	0 (0)	1 (2)	0 (0)
	glandular stomach:ulcer		0 (0)	0 (0)	1 (2)	0 (0)
	glandular stomach:nodule		1 (2)	0 (0)	0 (0)	0 (0)
small intes	nodule		0 (0)	1 (2)	0 (0)	0 (0)
liver	enlarged		1 (2)	0 (0)	0 (0)	0 (0)
	white zone		6 (12)	6 (12)	2 (4)	4 (8)
	red zone		0 (0)	0 (0)	0 (0)	1 (2)
	black zone		2 (4)	0 (0)	0 (0)	0 (0)
	nodule		2 (4)	0 (0)	1 (2)	2 (4)
	rough		5 (10)	5 (10)	1 (2)	1 (2)
	nodular		1 (2)	0 (0)	0 (0)	0 (0)
	herniation		9 (18)	11 (22)	7 (14)	10 (20)
kidney	white zone		0 (0)	0 (0)	1 (2)	0 (0)
	granular		0 (0)	0 (0)	1 (2)	0 (0)
	hydronephrosis		0 (0)	0 (0)	1 (2)	0 (0)
urin bladd	urine:marked retention		0 (0)	3 (6)	0 (0)	0 (0)
urethra	thick		0 (0)	0 (0)	0 (0)	1 (2)
pituitary	enlarged		13 (26)	8 (16)	7 (14)	4 (8)
	red zone		4 (8)	3 (6)	2 (4)	3 (6)
	black zone		5 (10)	8 (16)	3 (6)	4 (8)

Organ	Findings	Group Name / NO. of Animals	Control 50	(%)	300 ppm 50	(%)	1000 ppm 50	(%)	3000 ppm 50	(%)
pituitary	nodule		1	(2)	0	(0)	1	(2)	1	(2)
thyroid	red		0	(0)	0	(0)	1	(2)	0	(0)
	nodule		4	(8)	5	(10)	3	(6)	2	(4)
adrenal	enlarged		1	(2)	0	(0)	0	(0)	0	(0)
ovary	enlarged		1	(2)	1	(2)	0	(0)	0	(0)
	red		1	(2)	0	(0)	0	(0)	0	(0)
	cyst		0	(0)	2	(4)	0	(0)	0	(0)
uterus	black		1	(2)	0	(0)	0	(0)	0	(0)
	black zone		3	(6)	1	(2)	2	(4)	1	(2)
	nodule		2	(4)	4	(8)	7	(14)	4	(8)
	dilated		0	(0)	3	(6)	5	(10)	3	(6)
	dilated lumen		0	(0)	0	(0)	1	(2)	1	(2)
	fluid:red		0	(0)	0	(0)	0	(0)	1	(2)
vagina	nodule		2	(4)	0	(0)	0	(0)	0	(0)
mammary gl	nodule		0	(0)	1	(2)	1	(2)	0	(0)
brain	black zone		0	(0)	0	(0)	0	(0)	1	(2)
spinal cord	red zone		0	(0)	1	(2)	0	(0)	0	(0)
periph nerv	black zone		1	(2)	0	(0)	0	(0)	0	(0)
eye	turbid		0	(0)	0	(0)	2	(4)	0	(0)
	white		3	(6)	0	(0)	0	(0)	0	(0)
Zymbal gl	nodule		0	(0)	1	(2)	0	(0)	0	(0)
bone	nodule		0	(0)	0	(0)	0	(0)	1	(2)

Organ	Findings	Group Name / NO. of Animals	Control 50	(%)	300 ppm 50	(%)	1000 ppm 50	(%)	3000 ppm 50	(%)
mediastinum	mass		1	(2)	0	(0)	0	(0)	0	(0)
peritoneum	nodule		0	(0)	0	(0)	1	(2)	0	(0)
abdominal c	hemorrhage		1	(2)	0	(0)	0	(0)	1	(2)
	ascites		0	(0)	0	(0)	1	(2)	0	(0)
thoracic ca	hemorrhage		2	(4)	0	(0)	0	(0)	0	(0)
	pleural fluid		4	(8)	2	(4)	0	(0)	0	(0)
other	tail:nodule		1	(2)	0	(0)	0	(0)	0	(0)
	ear:nodule		1	(2)	0	(0)	1	(2)	0	(0)
	lower jaw:nodule		0	(0)	1	(2)	0	(0)	1	(2)
whole body	anemic		0	(0)	2	(4)	0	(0)	0	(0)

TABLE J1

ORGAN WEIGHT, ABSOLUTE : MALE

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (105W)

Group Name	NO. of Animals	Body Weight	ADRENALS	TESTES	HEART	LUNGS	KIDNEYS
Control	31	375± 23	0.071± 0.008	3.383± 1.248	1.159± 0.088	1.435± 0.314	2.516± 0.217
300 ppm	36	370± 31	0.116± 0.205	3.658± 1.001	1.156± 0.073	1.502± 0.390	2.493± 0.180
1000 ppm	34	368± 22	0.074± 0.011	3.974± 1.125	1.150± 0.078	1.393± 0.120	2.429± 0.142
3000 ppm	31	283± 25**	0.077± 0.019	4.526± 1.456**	1.073± 0.117**	1.366± 0.167	2.768± 3.155**

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (105W)

Group Name	NO. of Animals	SPLEEN	LIVER	BRAIN
Control	31	1.349± 0.607	10.336± 1.297	2.062± 0.043
300 ppm	36	1.846± 1.709	10.893± 2.340	2.051± 0.043
1000 ppm	34	1.551± 1.468	10.171± 1.081	2.054± 0.039
3000 ppm	31	1.142± 0.973**	7.561± 1.485**	1.958± 0.043**

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

TABLE J2

ORGAN WEIGHT, ABSOLUTE : FEMALE

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (105W)

Group Name	NO. of Animals	Body Weight	ADRENALS	OVARIES	HEART	LUNGS	KIDNEYS
Control	33	239± 25	0.073± 0.012	0.123± 0.014	0.803± 0.068	0.941± 0.195	1.630± 0.108
300 ppm	39	242± 22	0.073± 0.010	0.169± 0.135	0.821± 0.059	0.946± 0.133	1.648± 0.141
1000 ppm	38	228± 18*	0.073± 0.008	0.129± 0.024	0.810± 0.059	0.896± 0.055	1.610± 0.238
3000 ppm	22	192± 15**	0.073± 0.006	0.128± 0.017	0.770± 0.047	0.930± 0.110	1.509± 0.096**

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

Group Name	NO. of Animals	SPLEEN		LIVER		BRAIN	
Control	33	0.644±	0.311	5.945±	0.575	1.858±	0.040
300 ppm	39	0.713±	0.475	6.904±	2.501	1.857±	0.036
1000 ppm	38	0.539±	0.127	5.750±	0.894	1.848±	0.040
3000 ppm	22	0.761±	0.852	5.184±	0.844**	1.787±	0.036**

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

TABLE K1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (105W)

Group Name	NO. of Animals	Body Weight (g)	ADRENALS	TESTES	HEART	LUNGS	KIDNEYS
Control	31	375± 23	0.019± 0.002	0.899± 0.322	0.310± 0.029	0.387± 0.113	0.673± 0.074
300 ppm	36	370± 31	0.032± 0.059	0.989± 0.257	0.315± 0.031	0.413± 0.141	0.678± 0.063
1000 ppm	34	368± 22	0.020± 0.003	1.085± 0.318*	0.313± 0.027	0.379± 0.041	0.660± 0.039
3000 ppm	31	283± 25**	0.027± 0.008**	1.584± 0.456**	0.382± 0.055**	0.484± 0.064**	0.984± 1.137**

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (105W)

Group Name	NO. of Animals	SPLEEN	LIVER	BRAIN
Control	31	0.364± 0.178	2.768± 0.418	0.552± 0.035
300 ppm	36	0.514± 0.506	2.961± 0.684	0.559± 0.052
1000 ppm	34	0.427± 0.422	2.764± 0.288	0.559± 0.034
3000 ppm	31	0.400± 0.339	2.667± 0.472	0.696± 0.053**

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

TABLE K2

ORGAN WEIGHT, RELATIVE : FEMALE

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (105W)

Group Name	NO. of Animals	Body Weight (g)	ADRENALS	OVARIES	HEART	LUNGS	KIDNEYS
Control	33	239± 25	0.031± 0.005	0.052± 0.008	0.338± 0.032	0.399± 0.106	0.689± 0.080
300 ppm	39	242± 22	0.030± 0.005	0.070± 0.057	0.341± 0.025	0.393± 0.055	0.684± 0.065
1000 ppm	38	228± 18*	0.033± 0.005	0.057± 0.010	0.358± 0.037**	0.396± 0.039	0.714± 0.146
3000 ppm	22	192± 15**	0.039± 0.005**	0.067± 0.009**	0.402± 0.022**	0.487± 0.068**	0.789± 0.064**

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

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (105W)

Group Name	NO. of Animals	SPLEEN	LIVER	BRAIN
Control	33	0.272± 0.135	2.500± 0.223	0.786± 0.091
300 ppm	39	0.295± 0.185	2.867± 1.054	0.773± 0.067
1000 ppm	38	0.239± 0.066	2.544± 0.503	0.817± 0.067
3000 ppm	22	0.406± 0.477	2.695± 0.324	0.936± 0.063**

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

TABLE L1

HISTOPATHOLOGICAL FINDINGS :

NEOPLASTIC LESIONS : MALE

Organ	Findings	Group Name	Control	300 ppm	1000 ppm	3000 ppm
		No. of animals on Study	50	50	50	50
{Integumentary system/appandage}						
skin/app			<50>	<50>	<50>	<50>
	squamous cell papilloma		0 (0%)	1 (2%)	0 (0%)	2 (4%)
	schwannoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
	trichoepithelioma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
	keratoacanthoma		3 (6%)	1 (2%)	2 (4%)	1 (2%)
	squamous cell carcinoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
	basal cell carcinoma		0 (0%)	0 (0%)	2 (4%)	0 (0%)
subcutis			<50>	<50>	<50>	<50>
	fibroma		2 (4%)	5 (10%)	3 (6%)	2 (4%)
	lipoma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
	sarcoma:NOS		0 (0%)	0 (0%)	1 (2%)	1 (2%)
{Respiratory system}						
nasal cavit			<50>	<50>	<50>	<50>
	squamous cell carcinoma		0 (0%)	0 (0%)	0 (0%)	19 (38%)
	sarcoma:NOS		0 (0%)	0 (0%)	0 (0%)	1 (2%)
	carcinosarcoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)

< a > a : Number of animals examined at the site
b (c) b : Number of animals with neoplasm c : b / a * 100

Organ	Findings	Group Name / No. of animals on Study	Control 50	300 ppm 50	1000 ppm 50	3000 ppm 50
{Respiratory system}						
nasal cavit			<50>	<50>	<50>	<50>
	adenosquamous carcinoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
larynx			<50>	<50>	<50>	<50>
	squamous cell carcinoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
lung			<50>	<50>	<50>	<50>
	bronchiolar-alveolar adenoma		2 (4%)	2 (4%)	1 (2%)	1 (2%)
	bronchiolar-alveolar carcinoma		1 (2%)	2 (4%)	1 (2%)	0 (0%)
{Hematopoietic system}						
lymph node			<50>	<50>	<50>	<50>
	malignant lymphoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
spleen			<50>	<50>	<50>	<50>
	malignant lymphoma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
	mononuclear cell leukemia		12 (24%)	14 (28%)	9 (18%)	8 (16%)
{Digestive system}						
oral cavity			<50>	<50>	<50>	<50>
	squamous cell papilloma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
small intes			<50>	<50>	<50>	<50>
	adenocarcinoma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
liver			<50>	<50>	<50>	<50>
	hepatocellular adenoma		4 (8%)	5 (10%)	1 (2%)	3 (6%)
	hepatocellular carcinoma		1 (2%)	0 (0%)	0 (0%)	0 (0%)

< a > a : Number of animals examined at the site
b (c) b : Number of animals with neoplasm c : b / a * 100

Organ	Findings	Group Name / No. of animals on Study	Control 50	300 ppm 50	1000 ppm 50	3000 ppm 50
{Digestive system}						
pancreas			<50>	<50>	<50>	<50>
	islet cell adenoma		3 (6%)	1 (2%)	3 (6%)	0 (0%)
	islet cell adenocarcinoma		0 (0%)	0 (0%)	1 (2%)	2 (4%)
	mixed acinar-islet cell adenocarcinoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
{Urinary system}						
kidney			<50>	<50>	<50>	<50>
	nephroblastoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
urin bladd			<50>	<50>	<50>	<50>
	transitional cell papilloma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
{Endocrine system}						
pituitary			<50>	<50>	<50>	<50>
	adenoma		5 (10%)	4 (8%)	8 (16%)	2 (4%)
	adenoma:intermdiate		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	adenocarcinoma		2 (4%)	1 (2%)	1 (2%)	1 (2%)
thyroid			<50>	<50>	<50>	<50>
	C-cell adenoma		10 (20%)	10 (20%)	14 (28%)	8 (16%)
	follicular adenoma		2 (4%)	0 (0%)	1 (2%)	1 (2%)
	C-cell carcinoma		4 (8%)	0 (0%)	1 (2%)	0 (0%)

< a > a : Number of animals examined at the site
b (c) b : Number of animals with neoplasm c : b / a * 100

Organ	Findings	Group Name / No. of animals on Study	Control 50	300 ppm 50	1000 ppm 50	3000 ppm 50
{Endocrine system}						
thyroid			<50>	<50>	<50>	<50>
	follicular adenocarcinoma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
adrenal			<50>	<50>	<50>	<50>
	hemangioma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
	pheochromocytoma		2 (4%)	2 (4%)	5 (10%)	1 (2%)
	pheochromocytoma:malignant		3 (6%)	1 (2%)	0 (0%)	0 (0%)
{Reproductive system}						
testis			<50>	<50>	<50>	<50>
	interstitial cell tumor		42 (84%)	46 (92%)	41 (82%)	44 (88%)
mammary gl			<50>	<50>	<50>	<50>
	fibroadenoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
prep/cli gl			<50>	<50>	<50>	<50>
	adenoma		3 (6%)	0 (0%)	1 (2%)	0 (0%)
	adenocarcinoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
{Nervous system}						
brain			<50>	<50>	<50>	<50>
	oligodendroglioma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
{Special sense organs/appendage}						
Zymbal gl			<50>	<50>	<50>	<50>
	adenocarcinoma		0 (0%)	1 (2%)	2 (4%)	1 (2%)

< a > a : Number of animals examined at the site
b (c) b : Number of animals with neoplasm c : b / a * 100

Organ	Findings	Group Name / No. of animals on Study	Control 50	300 ppm 50	1000 ppm 50	3000 ppm 50
{Musculoskeletal system}						
bone			<50>	<50>	<50>	<50>
	osteoma		1 (2%)	0 (0%)	1 (2%)	0 (0%)
	osteosarcoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
vertebra			<50>	<50>	<50>	<50>
	chordoma:malignant		1 (2%)	0 (0%)	0 (0%)	0 (0%)
{Body cavities}						
peritoneum			<50>	<50>	<50>	<50>
	fibroma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
	neuroendocrine cell tumor:benign		0 (0%)	0 (0%)	0 (0%)	1 (2%)
	liposarcoma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
	mesothelioma		1 (2%)	2 (4%)	0 (0%)	0 (0%)

< a > a : Number of animals examined at the site
b (c) b : Number of animals with neoplasm c : b / a * 100

TABLE L2

HISTOPATHOLOGICAL FINDINGS :

NEOPLASTIC LESIONS : FEMALE

Organ	Findings	Group Name / No. of animals on Study	Control 50	300 ppm 50	1000 ppm 50	3000 ppm 50
{Integumentary system/appandage}						
skin/app			<50>	<50>	<50>	<50>
	squamous cell papilloma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	schwannoma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
	keratoacanthoma		2 (4%)	0 (0%)	0 (0%)	0 (0%)
	basal cell carcinoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
subcutis			<50>	<50>	<50>	<50>
	fibroma		1 (2%)	1 (2%)	2 (4%)	0 (0%)
{Respiratory system}						
nasal cavit			<50>	<50>	<50>	<50>
	squamous cell papilloma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
	squamous cell carcinoma		0 (0%)	0 (0%)	0 (0%)	8 (16%)
lung			<50>	<50>	<50>	<50>
	bronchiolar-alveolar adenoma		2 (4%)	0 (0%)	0 (0%)	0 (0%)
	squamous cell carcinoma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
{Hematopoietic system}						
spleen			<50>	<50>	<50>	<50>
	mononuclear cell leukemia		11 (22%)	7 (14%)	4 (8%)	3 (6%)
{Digestive system}						
stomach			<50>	<50>	<50>	<50>
	epidermal cyst		1 (2%)	0 (0%)	0 (0%)	0 (0%)

< a > a : Number of animals examined at the site
b (c) b : Number of animals with neoplasm c : b / a * 100

Organ	Findings	Group Name / No. of animals on Study	Control 50	300 ppm 50	1000 ppm 50	3000 ppm 50
{Digestive system}						
small intes			<50>	<50>	<50>	<50>
	leiomyosarcoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
liver			<50>	<50>	<50>	<50>
	hepatocellular adenoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
	cholangiocellular carcinoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
pancreas			<50>	<50>	<50>	<50>
	islet cell adenocarcinoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
{Urinary system}						
urin bladd			<50>	<50>	<50>	<50>
	transitional cell papilloma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
{Endocrine system}						
pituitary			<49>	<50>	<50>	<49>
	adenoma		6 (12%)	9 (18%)	7 (14%)	4 (8%)
	adenocarcinoma		7 (14%)	1 (2%)	2 (4%)	3 (6%)
thyroid			<50>	<50>	<50>	<50>
	C-cell adenoma		5 (10%)	10 (20%)	3 (6%)	5 (10%)
	follicular adenoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
	C-cell carcinoma		4 (8%)	1 (2%)	1 (2%)	0 (0%)
adrenal			<50>	<50>	<50>	<50>
	pheochromocytoma		0 (0%)	0 (0%)	0 (0%)	2 (4%)

< a > a : Number of animals examined at the site
b (c) b : Number of animals with neoplasm c : b / a * 100

Organ	Findings	Group Name / No. of animals on Study	Control 50	300 ppm 50	1000 ppm 50	3000 ppm 50
{Reproductive system}						
ovary			<50>	<50>	<50>	<50>
	sertoli cell tumor		1 (2%)	0 (0%)	0 (0%)	0 (0%)
uterus			<50>	<50>	<50>	<50>
	squamous cell papilloma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
	endometrial stromal polyp		6 (12%)	9 (18%)	13 (26%)	7 (14%)
	adenocarcinoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	endometrial stromal sarcoma		0 (0%)	1 (2%)	0 (0%)	1 (2%)
	stromal sarcoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	endometrial adenocarcinoma		1 (2%)	1 (2%)	0 (0%)	0 (0%)
vagina			<50>	<50>	<50>	<50>
	squamous cell papilloma		1 (2%)	0 (0%)	0 (0%)	1 (2%)
	stromal polyp		1 (2%)	0 (0%)	0 (0%)	0 (0%)
mammary gl			<50>	<50>	<50>	<50>
	adenoma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
	fibroadenoma		7 (14%)	6 (12%)	5 (10%)	1 (2%)
	adenocarcinoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
prep/cli gl			<50>	<50>	<50>	<50>
	adenoma		1 (2%)	1 (2%)	0 (0%)	0 (0%)

< a > a : Number of animals examined at the site
b (c) b : Number of animals with neoplasm c : b / a * 100

Organ	Findings	Group Name	Control	300 ppm	1000 ppm	3000 ppm
		No. of animals on Study	50	50	50	50
{Nervous system}						
brain			<50>	<50>	<50>	<50>
	malignant reticulosis		0 (0%)	0 (0%)	0 (0%)	1 (2%)
spinal cord			<50>	<50>	<50>	<50>
	histiocytic sarcoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
{Special sense organs/appendage}						
Zymbal gl			<50>	<50>	<50>	<50>
	adenocarcinoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
{Musculoskeletal system}						
bone			<50>	<50>	<50>	<50>
	osteosarcoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
synovium			<50>	<50>	<50>	<50>
	synovial sarcoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
{Body cavities}						
mediastinum			<50>	<50>	<50>	<50>
	histiocytic sarcoma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
peritoneum			<50>	<50>	<50>	<50>
	mesothelioma		0 (0%)	0 (0%)	1 (2%)	0 (0%)

< a > a : Number of animals examined at the site
b (c) b : Number of animals with neoplasm c : b / a * 100

TABLE M1

NEOPLASTIC LESIONS-INCIDENCE AND

STATISTICAL ANALYSIS : MALE

Group Name	Control	300 ppm	1000 ppm	3000 ppm
SITE : skin/appendage				
TUMOR : keratoacanthoma				
Tumor rate				
Overall rates(a)	3/50(6.0)	1/50(2.0)	2/50(4.0)	1/50(2.0)
Adjusted rates(b)	6.38	2.04	4.26	3.23
Terminal rates(c)	2/31(6.5)	0/36(0.0)	1/34(2.9)	1/31(3.2)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.7280			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.4640			
Fisher Exact test(e)		P = 0.3086	P = 0.5000	P = 0.3086
SITE : skin/appendage				
TUMOR : squamous cell papilloma,trichoepithelioma,keratoacanthoma,squamous cell carcinoma,basal cell carcinoma				
Tumor rate				
Overall rates(a)	4/50(8.0)	2/50(4.0)	4/50(8.0)	4/50(8.0)
Adjusted rates(b)	9.38	4.08	8.82	9.68
Terminal rates(c)	3/31(9.7)	0/36(0.0)	3/34(8.8)	3/31(9.7)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.3364			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.7133			
Fisher Exact test(e)		P = 0.3389	P = 0.6425	P = 0.6425
SITE : subcutis				
TUMOR : fibroma				
Tumor rate				
Overall rates(a)	2/50(4.0)	5/50(10.0)	3/50(6.0)	2/50(4.0)
Adjusted rates(b)	3.12	8.33	5.88	6.45
Terminal rates(c)	1/31(3.2)	3/36(8.3)	2/34(5.9)	2/31(6.5)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.8723			
Prevalence method(d)	P = 0.4046			
Combined analysis(d)	P = 0.6816			
Cochran-Armitage test(e)	P = 0.5411			
Fisher Exact test(e)		P = 0.2180	P = 0.5000	P = 0.6913

Group Name	Control	300 ppm	1000 ppm	3000 ppm
SITE : nasal cavity				
TUMOR : squamous cell carcinoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	0/50(0.0)	0/50(0.0)	19/50(38.0)
Adjusted rates(b)	0.00	0.00	0.00	40.00
Terminal rates(c)	0/31(0.0)	0/36(0.0)	0/34(0.0)	12/31(38.7)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.0006**?			
Prevalence method(d)	P < 0.0001**?			
Combined analysis(d)	P < 0.0001**?			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = N.C.	P = N.C.	P < 0.0001**
SITE : nasal cavity				
TUMOR : squamous cell carcinoma,carcinosarcoma,adenosquamous carcinoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	0/50(0.0)	0/50(0.0)	21/50(42.0)
Adjusted rates(b)	0.00	0.00	0.00	42.86
Terminal rates(c)	0/31(0.0)	0/36(0.0)	0/34(0.0)	13/31(41.9)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.0001**?			
Prevalence method(d)	P < 0.0001**?			
Combined analysis(d)	P < 0.0001**?			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = N.C.	P = N.C.	P < 0.0001**
SITE : lung				
TUMOR : bronchiolar-alveolar adenoma,bronchiolar-alveolar carcinoma				
Tumor rate				
Overall rates(a)	2/50(4.0)	3/50(6.0)	2/50(4.0)	1/50(2.0)
Adjusted rates(b)	6.25	5.00	4.08	3.23
Terminal rates(c)	2/31(6.5)	1/36(2.8)	0/34(0.0)	1/31(3.2)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.5274			
Prevalence method(d)	P = 0.7109			
Combined analysis(d)	P = 0.7788			
Cochran-Armitage test(e)	P = 0.4047			
Fisher Exact test(e)		P = 0.5000	P = 0.6913	P = 0.5000

Group Name	Control	300 ppm	1000 ppm	3000 ppm
SITE : spleen				
TUMOR : mononuclear cell leukemia				
Tumor rate				
Overall rates(a)	12/50(24.0)	14/50(28.0)	9/50(18.0)	8/50(16.0)
Adjusted rates(b)	3.23	16.67	8.82	9.68
Terminal rates(c)	1/31(3.2)	6/36(16.7)	3/34(8.8)	3/31(9.7)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.9063			
Prevalence method(d)	P = 0.4619			
Combined analysis(d)	P = 0.8588			
Cochran-Armitage test(e)	P = 0.1840			
Fisher Exact test(e)		P = 0.4100	P = 0.3121	P = 0.2269
SITE : liver				
TUMOR : hepatocellular adenoma				
Tumor rate				
Overall rates(a)	4/50(8.0)	5/50(10.0)	1/50(2.0)	3/50(6.0)
Adjusted rates(b)	9.52	13.16	2.94	6.52
Terminal rates(c)	2/31(6.5)	4/36(11.1)	1/34(2.9)	1/31(3.2)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.6930			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.5437			
Fisher Exact test(e)		P = 0.5000	P = 0.1811	P = 0.5000
SITE : liver				
TUMOR : hepatocellular adenoma,hepatocellular carcinoma				
Tumor rate				
Overall rates(a)	5/50(10.0)	5/50(10.0)	1/50(2.0)	3/50(6.0)
Adjusted rates(b)	12.12	13.16	2.94	6.52
Terminal rates(c)	3/31(9.7)	4/36(11.1)	1/34(2.9)	1/31(3.2)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.7744			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.4001			
Fisher Exact test(e)		P = 0.6296	P = 0.1022	P = 0.3575

Group Name	Control	300 ppm	1000 ppm	3000 ppm
SITE : pancreas				
TUMOR : islet cell adenoma				
Tumor rate				
Overall rates(a)	3/50(6.0)	1/50(2.0)	3/50(6.0)	0/50(0.0)
Adjusted rates(b)	9.38	2.78	8.33	0.00
Terminal rates(c)	3/31(9.7)	1/36(2.8)	2/34(5.9)	0/31(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.9206			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.1644			
Fisher Exact test(e)		P = 0.3086	P = 0.6611	P = 0.1212
SITE : pancreas				
TUMOR : islet cell adenoma,islet cell adenocarcinoma,mixed acinar-islet cell adenocarcinoma				
Tumor rate				
Overall rates(a)	3/50(6.0)	1/50(2.0)	4/50(8.0)	3/50(6.0)
Adjusted rates(b)	9.38	2.78	11.11	9.68
Terminal rates(c)	3/31(9.7)	1/36(2.8)	3/34(8.8)	3/31(9.7)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.3091			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.6956			
Fisher Exact test(e)		P = 0.3086	P = 0.5000	P = 0.6611
SITE : pituitary gland				
TUMOR : adenoma				
Tumor rate				
Overall rates(a)	5/50(10.0)	4/50(8.0)	8/50(16.0)	2/50(4.0)
Adjusted rates(b)	11.11	9.30	17.65	3.23
Terminal rates(c)	3/31(9.7)	3/36(8.3)	6/34(17.6)	1/31(3.2)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.3503			
Prevalence method(d)	P = 0.8957			
Combined analysis(d)	P = 0.8216			
Cochran-Armitage test(e)	P = 0.2811			
Fisher Exact test(e)		P = 0.5000	P = 0.2768	P = 0.2180

Group Name	Control	300 ppm	1000 ppm	3000 ppm
SITE : pituitary gland				
TUMOR : adenoma,adenoma:intermediate lobe,adenocarcinoma				
Tumor rate				
Overall rates(a)	7/50(14.0)	5/50(10.0)	10/50(20.0)	3/50(6.0)
Adjusted rates(b)	13.89	10.64	20.59	3.23
Terminal rates(c)	4/31(12.9)	3/36(8.3)	7/34(20.6)	1/31(3.2)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.2915			
Prevalence method(d)	P = 0.9414			
Combined analysis(d)	P = 0.8352			
Cochran-Armitage test(e)	P = 0.2437			
Fisher Exact test(e)		P = 0.3798	P = 0.2977	P = 0.1589
SITE : thyroid				
TUMOR : C-cell adenoma				
Tumor rate				
Overall rates(a)	10/50(20.0)	10/50(20.0)	14/50(28.0)	8/50(16.0)
Adjusted rates(b)	22.73	25.00	35.29	22.58
Terminal rates(c)	7/31(22.6)	9/36(25.0)	12/34(35.3)	7/31(22.6)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.6890			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.5377			
Fisher Exact test(e)		P = 0.5984	P = 0.2415	P = 0.3976
SITE : thyroid				
TUMOR : C-cell carcinoma				
Tumor rate				
Overall rates(a)	4/50(8.0)	0/50(0.0)	1/50(2.0)	0/50(0.0)
Adjusted rates(b)	9.38	0.00	2.94	0.00
Terminal rates(c)	3/31(9.7)	0/36(0.0)	1/34(2.9)	0/31(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.9705			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.0901			
Fisher Exact test(e)		P = 0.0587	P = 0.1811	P = 0.0587

Group Name	Control	300 ppm	1000 ppm	3000 ppm
SITE : thyroid				
TUMOR : C-cell adenoma,C-cell carcinoma				
Tumor rate				
Overall rates(a)	14/50(28.0)	10/50(20.0)	14/50(28.0)	8/50(16.0)
Adjusted rates(b)	31.25	25.00	35.29	22.58
Terminal rates(c)	10/31(32.3)	9/36(25.0)	12/34(35.3)	7/31(22.6)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.8528			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.2246			
Fisher Exact test(e)		P = 0.2415	P = 0.5879	P = 0.1135
SITE : thyroid				
TUMOR : follicular adenoma,follicular adenocarcinoma				
Tumor rate				
Overall rates(a)	3/50(6.0)	0/50(0.0)	1/50(2.0)	1/50(2.0)
Adjusted rates(b)	9.38	0.00	2.94	3.23
Terminal rates(c)	3/31(9.7)	0/36(0.0)	1/34(2.9)	1/31(3.2)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.6497			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.5943			
Fisher Exact test(e)		P = 0.1212	P = 0.3086	P = 0.3086
SITE : adrenal gland				
TUMOR : pheochromocytoma				
Tumor rate				
Overall rates(a)	2/50(4.0)	2/50(4.0)	5/50(10.0)	1/50(2.0)
Adjusted rates(b)	6.25	5.56	12.20	3.23
Terminal rates(c)	2/31(6.5)	2/36(5.6)	3/34(8.8)	1/31(3.2)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.6802			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.5507			
Fisher Exact test(e)		P = 0.6913	P = 0.2180	P = 0.5000

Group Name	Control	300 ppm	1000 ppm	3000 ppm
SITE : adrenal gland				
TUMOR : pheochromocytoma:malignant				
Tumor rate				
Overall rates(a)	3/50(6.0)	1/50(2.0)	0/50(0.0)	0/50(0.0)
Adjusted rates(b)	4.65	2.78	0.00	0.00
Terminal rates(c)	0/31(0.0)	1/36(2.8)	0/34(0.0)	0/31(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 1.0000 ?			
Prevalence method(d)	P = 0.9522			
Combined analysis(d)	P = 0.9800			
Cochran-Armitage test(e)	P = 0.0840			
Fisher Exact test(e)		P = 0.3086	P = 0.1212	P = 0.1212
SITE : adrenal gland				
TUMOR : pheochromocytoma,pheochromocytoma:malignant				
Tumor rate				
Overall rates(a)	5/50(10.0)	3/50(6.0)	5/50(10.0)	1/50(2.0)
Adjusted rates(b)	9.38	8.33	12.20	3.23
Terminal rates(c)	2/31(6.5)	3/36(8.3)	3/34(8.8)	1/31(3.2)
Statistical analysis				
Peto test				
Standard method(d)	P = 1.0000 ?			
Prevalence method(d)	P = 0.8876			
Combined analysis(d)	P = 0.9257			
Cochran-Armitage test(e)	P = 0.1449			
Fisher Exact test(e)		P = 0.3575	P = 0.6296	P = 0.1022
SITE : testis				
TUMOR : interstitial cell tumor				
Tumor rate				
Overall rates(a)	42/50(84.0)	46/50(92.0)	41/50(82.0)	44/50(88.0)
Adjusted rates(b)	94.59	100.00	95.35	97.78
Terminal rates(c)	29/31(93.5)	36/36(100.0)	32/34(94.1)	30/31(96.8)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.1926			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.8839			
Fisher Exact test(e)		P = 0.1783	P = 0.5000	P = 0.3871

Group Name	Control	300 ppm	1000 ppm	3000 ppm
SITE : preputial/clitoral gland				
TUMOR : adenoma				
Tumor rate				
Overall rates(a)	3/50(6.0)	0/50(0.0)	1/50(2.0)	0/50(0.0)
Adjusted rates(b)	6.25	0.00	2.94	0.00
Terminal rates(c)	2/31(6.5)	0/36(0.0)	1/34(2.9)	0/31(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 1.0000 ?			
Prevalence method(d)	P = 0.8562			
Combined analysis(d)	P = 0.9347			
Cochran-Armitage test(e)	P = 0.1540			
Fisher Exact test(e)		P = 0.1212	P = 0.3086	P = 0.1212

Group Name	Control	300 ppm	1000 ppm	3000 ppm
SITE : preputial/clitoral gland				
TUMOR : adenoma,adenocarcinoma				
Tumor rate				
Overall rates(a)	3/50(6.0)	0/50(0.0)	2/50(4.0)	0/50(0.0)
Adjusted rates(b)	6.25	0.00	5.88	0.00
Terminal rates(c)	2/31(6.5)	0/36(0.0)	2/34(5.9)	0/31(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 1.0000 ?			
Prevalence method(d)	P = 0.8173			
Combined analysis(d)	P = 0.9040			
Cochran-Armitage test(e)	P = 0.1911			
Fisher Exact test(e)		P = 0.1212	P = 0.5000	P = 0.1212

(a): Number of tumor-bearing animals/number of animals examined at the site.
(b): Kaplan-Meier estimated tumor incidence at the end of the study after adjusting for intercurrent mortality.
(c): Observed tumor incidence at terminal kill.
(d): Beneath the control incidence are the P-values associated with the trend test.
Standard method : Death analysis
Prevalence method : Incidental tumor test
Combined analysis : Death analysis + Incidental tumor test
(e): The Cochran-Armitage and Fisher exact test compare directly the overall incidence rates.
? : The conditional probabilities of the largest and smallest possible out comes can not estimated or this P-value is beyond the estimated P-value.
------ : There is no data which should be statistical analysis.
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01
N.C.:Statistical value cannot be calculated and was not significant.

TABLE M2

NEOPLASTIC LESIONS-INCIDENCE AND STATISTICAL ANALYSIS : FEMALE

Group Name	Control	300 ppm	1000 ppm	3000 ppm
SITE : nasal cavity				
TUMOR : squamous cell carcinoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	0/50(0.0)	0/50(0.0)	8/50(16.0)
Adjusted rates(b)	0.00	0.00	0.00	22.73
Terminal rates(c)	0/33(0.0)	0/39(0.0)	0/38(0.0)	5/22(22.7)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.0075**?			
Prevalence method(d)	P < 0.0001**?			
Combined analysis(d)	P < 0.0001**?			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = N.C.	P = N.C.	P = 0.0029**
SITE : nasal cavity				
TUMOR : squamous cell papilloma,squamous cell carcinoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	0/50(0.0)	0/50(0.0)	9/50(18.0)
Adjusted rates(b)	0.00	0.00	0.00	27.27
Terminal rates(c)	0/33(0.0)	0/39(0.0)	0/38(0.0)	6/22(27.3)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.0075**?			
Prevalence method(d)	P < 0.0001**?			
Combined analysis(d)	P < 0.0001**?			
Cochran-Armitage test(e)	P < 0.0001**			
Fisher Exact test(e)		P = N.C.	P = N.C.	P = 0.0013**
SITE : lung				
TUMOR : bronchiolar-alveolar adenoma,squamous cell carcinoma				
Tumor rate				
Overall rates(a)	3/50(6.0)	0/50(0.0)	0/50(0.0)	0/50(0.0)
Adjusted rates(b)	9.09	0.00	0.00	0.00
Terminal rates(c)	3/33(9.1)	0/39(0.0)	0/38(0.0)	0/22(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.9841			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.1086			
Fisher Exact test(e)		P = 0.1212	P = 0.1212	P = 0.1212

Group Name	Control	300 ppm	1000 ppm	3000 ppm
SITE : spleen				
TUMOR : mononuclear cell leukemia				
Tumor rate				
Overall rates(a)	11/50(22.0)	7/50(14.0)	4/50(8.0)	3/50(6.0)
Adjusted rates(b)	3.03	7.69	0.00	4.55
Terminal rates(c)	1/33(3.0)	3/39(7.7)	0/38(0.0)	1/22(4.5)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.9500			
Prevalence method(d)	P = 0.5394			
Combined analysis(d)	P = 0.9417			
Cochran-Armitage test(e)	P = 0.0313*			
Fisher Exact test(e)		P = 0.2178	P = 0.0453*	P = 0.0204*
SITE : pituitary gland				
TUMOR : adenoma				
Tumor rate				
Overall rates(a)	6/49(12.2)	9/50(18.0)	7/50(14.0)	4/49(8.2)
Adjusted rates(b)	13.16	20.51	14.29	16.67
Terminal rates(c)	4/32(12.5)	8/39(20.5)	4/38(10.5)	3/22(13.6)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.7537			
Prevalence method(d)	P = 0.5534			
Combined analysis(d)	P = 0.6607			
Cochran-Armitage test(e)	P = 0.2674			
Fisher Exact test(e)		P = 0.3030	P = 0.5158	P = 0.3702
SITE : pituitary gland				
TUMOR : adenocarcinoma				
Tumor rate				
Overall rates(a)	7/49(14.3)	1/50(2.0)	2/50(4.0)	3/49(6.1)
Adjusted rates(b)	9.38	0.00	2.63	0.00
Terminal rates(c)	3/32(9.4)	0/39(0.0)	1/38(2.6)	0/22(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.2618			
Prevalence method(d)	P = 0.9152			
Combined analysis(d)	P = 0.5370			
Cochran-Armitage test(e)	P = 0.5187			
Fisher Exact test(e)		P = 0.0277*	P = 0.0750	P = 0.1586

Group Name	Control	300 ppm	1000 ppm	3000 ppm
SITE : pituitary gland				
TUMOR : adenoma,adenocarcinoma				
Tumor rate				
Overall rates(a)	13/49(26.5)	10/50(20.0)	9/50(18.0)	7/49(14.3)
Adjusted rates(b)	22.22	20.51	16.67	16.67
Terminal rates(c)	7/32(21.9)	8/39(20.5)	5/38(13.2)	3/22(13.6)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.4253			
Prevalence method(d)	P = 0.7735			
Combined analysis(d)	P = 0.6972			
Cochran-Armitage test(e)	P = 0.1790			
Fisher Exact test(e)		P = 0.2978	P = 0.2182	P = 0.1048
SITE : thyroid				
TUMOR : C-cell adenoma				
Tumor rate				
Overall rates(a)	5/50(10.0)	10/50(20.0)	3/50(6.0)	5/50(10.0)
Adjusted rates(b)	10.87	25.64	7.32	18.18
Terminal rates(c)	2/33(6.1)	10/39(25.6)	2/38(5.3)	4/22(18.2)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.5219			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.4801			
Fisher Exact test(e)		P = 0.1312	P = 0.3575	P = 0.6296
SITE : thyroid				
TUMOR : C-cell carcinoma				
Tumor rate				
Overall rates(a)	4/50(8.0)	1/50(2.0)	1/50(2.0)	0/50(0.0)
Adjusted rates(b)	12.12	2.56	2.63	0.00
Terminal rates(c)	4/33(12.1)	1/39(2.6)	1/38(2.6)	0/22(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.9703			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.0679			
Fisher Exact test(e)		P = 0.1811	P = 0.1811	P = 0.0587

Group Name	Control	300 ppm	1000 ppm	3000 ppm
SITE : thyroid				
TUMOR : C-cell adenoma,C-cell carcinoma				
Tumor rate				
Overall rates(a)	9/50(18.0)	11/50(22.0)	4/50(8.0)	5/50(10.0)
Adjusted rates(b)	20.00	28.21	9.76	18.18
Terminal rates(c)	6/33(18.2)	11/39(28.2)	3/38(7.9)	4/22(18.2)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.8018			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.1274			
Fisher Exact test(e)		P = 0.4015	P = 0.1168	P = 0.1940
SITE : uterus				
TUMOR : endometrial stromal polyp				
Tumor rate				
Overall rates(a)	6/50(12.0)	9/50(18.0)	13/50(26.0)	7/50(14.0)
Adjusted rates(b)	18.18	20.51	31.58	16.28
Terminal rates(c)	6/33(18.2)	8/39(20.5)	12/38(31.6)	2/22(9.1)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.3067			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.8829			
Fisher Exact test(e)		P = 0.2883	P = 0.0624	P = 0.5000
SITE : mammary gland				
TUMOR : fibroadenoma				
Tumor rate				
Overall rates(a)	7/50(14.0)	6/50(12.0)	5/50(10.0)	1/50(2.0)
Adjusted rates(b)	18.92	12.82	11.11	3.70
Terminal rates(c)	5/33(15.2)	5/39(12.8)	4/38(10.5)	0/22(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.9721			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.0284*			
Fisher Exact test(e)		P = 0.5000	P = 0.3798	P = 0.0297*

Group Name	Control	300 ppm	1000 ppm	3000 ppm
SITE : mammary gland				
TUMOR : adenoma,fibroadenoma,adenocarcinoma				
Tumor rate				
Overall rates(a)	8/50(16.0)	7/50(14.0)	5/50(10.0)	1/50(2.0)
Adjusted rates(b)	21.62	14.58	11.11	3.70
Terminal rates(c)	6/33(18.2)	5/39(12.8)	4/38(10.5)	0/22(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.9854			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.0138*			
Fisher Exact test(e)		P = 0.5000	P = 0.2768	P = 0.0154*

(a): Number of tumor-bearing animals/number of animals examined at the site.
(b): Kaplan-Meier estimated tumor incidence at the end of the study after adjusting for intercurrent mortality.
(c): Observed tumor incidence at terminal kill.
(d): Beneath the control incidence are the P-values associated with the trend test.
Standard method : Death analysis
Prevalence method : Incidental tumor test
Combined analysis : Death analysis + Incidental tumor test
(e): The Cochran-Armitage and Fisher exact test compare directly the overall incidence rates.
? : The conditional probabilities of the largest and smallest possible out comes can not estimated or this P-value is beyond the estimated P-value.
------ : There is no data which should be statistical analysis.
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01
N.C.:Statistical value cannot be calculated and was not significant.

TABLE N

HISTORICAL CONTROL DATA OF SELECTED NEOPLASTIC LESIONS IN JAPAN BIOASSAY RESEARCH CENTER : F344/DuCrlCrlj RATS

TABLE N HISTORICAL CONTROL DATA OF SELECTED NEOPLASTIC LESIONS IN JAPAN BIOASSAY RESEARCH CENTER : F344/DuCrlCrlj RATS

	Organs Tumors	No. of animals examined	No. of animals bearing tumor	Incidence (%)	Min. − Max. (%)
Male	Nasal cavities	500			
	Adenoma		0	0.0	0 − 0
	Adenocarcinoma		0	0.0	0 − 0
	Squamous cell papilloma		0	0.0	0 − 0
	Squamous cell carcinoma		0	0.0	0 − 0
	Carcinosarcoma		0	0.0	0 − 0
	Adenosquamous carcinoma		0	0.0	0 − 0
Female	Nasal cavities	500			
	Adenoma		1	0.2	0 − 2
	Adenocarcinoma		0	0.0	0 − 0
	Squamous cell papilloma		0	0.0	0 − 0
	Squamous cell carcinoma		0	0.0	0 − 0
	Sarcoma NOS		0	0.0	0 − 0

10 inhalation carcinogenicity studies examined in Japan Bioassay Research Center were used.
Study No. : 0731, 0753, 0774, 0794, 0800, 0816, 0831, 0849, 0877, 0883

TABLE O1

HISTOPATHOLOGICAL FINDINGS :

METASTASIS OF TUMORS : MALE

Organ	Findings	Group Name / No. of Animals on Study	Control	300 ppm	1000 ppm	3000 ppm
			50	50	50	50
{Respiratory system}						
nasal cavit			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	0	1
lung			<50>	<50>	<50>	<50>
	leukemic cell infiltration		12	14	10	8
{Hematopoietic system}						
bone marrow			<50>	<50>	<50>	<50>
	leukemic cell infiltration		10	9	10	7
lymph node			<50>	<50>	<50>	<50>
	leukemic cell infiltration		6	4	7	4
thymus			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	1	0
spleen			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	1	0
{Circulatory system}						
heart			<50>	<50>	<50>	<50>
	leukemic cell infiltration		3	0	0	0
{Digestive system}						
stomach			<50>	<50>	<50>	<50>
	leukemic cell infiltration		2	0	1	2
small intes			<50>	<50>	<50>	<50>
	leukemic cell infiltration		2	4	1	2

< a > a : Number of animals examined at the site
b b : Number of animals with lesion

Organ	Findings	Group Name / No. of Animals on Study	Control	300 ppm	1000 ppm	3000 ppm
			50	50	50	50
{Digestive system}						
large intes			<50>	<50>	<50>	<50>
	leukemic cell infiltration		2	2	1	1
liver			<50>	<50>	<50>	<50>
	leukemic cell infiltration		11	11	7	8
pancreas			<50>	<50>	<50>	<50>
	leukemic cell infiltration		2	1	1	3
{Urinary system}						
kidney			<50>	<50>	<50>	<50>
	leukemic cell infiltration		7	3	2	1
{Endocrine system}						
pituitary			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	2	0	0
adrenal			<50>	<50>	<50>	<50>
	leukemic cell infiltration		2	1	3	0
{Reproductive system}						
prostate			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	0	0	1
{Nervous system}						
brain			<50>	<50>	<50>	<50>
	leukemic cell infiltration		2	1	0	1

< a > a : Number of animals examined at the site
  b b : Number of animals with lesion

Organ	Findings	Group Name / No. of Animals on Study	Control	300 ppm	1000 ppm	3000 ppm
			50	50	50	50
{Nervous system}						
spinal cord			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	1	0	1
{Special sense organs/appendage}						
Harder gl			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	0	0	0
	metastasis:Zymbal gland tumor		0	0	1	0
{Body cavities}						
pleura			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	1	0
	metastasis:lung tumor		0	1	0	0
peritoneum			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	1	3
retroperit			<50>	<50>	<50>	<50>
	metastasis:vertebra tumor		1	0	0	0

< a > a : Number of animals examined at the site
b b : Number of animals with lesion

TABLE O2

HISTOPATHOLOGICAL FINDINGS :

METASTASIS OF TUMORS : FEMALE

Organ	Findings	Group Name / No. of Animals on Study	Control	300 ppm	1000 ppm	3000 ppm
			50	50	50	50
{Respiratory system}						
nasal cavit			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	0	2
trachea			<50>	<50>	<50>	<50>
	metastasis:thyroid tumor		1	0	0	0
lung			<50>	<50>	<50>	<50>
	leukemic cell infiltration		9	5	4	3
	metastasis:uterus tumor		0	0	1	0
	metastasis:thyroid tumor		1	0	1	0
	metastasis:mediastinum tumor		1	0	0	0
{Hematopoietic system}						
bone marrow			<50>	<50>	<50>	<50>
	leukemic cell infiltration		8	5	1	2
lymph node			<50>	<50>	<50>	<50>
	leukemic cell infiltration		4	2	1	1
	metastasis:thyroid tumor		0	0	1	0
	metastasis:bone tumor		0	0	0	1
	metastasis:nasal tumor		0	0	0	1
{Circulatory system}						
heart			<50>	<50>	<50>	<50>
	metastasis:mediastinum tumor		1	0	0	0

< a > a : Number of animals examined at the site
b b : Number of animals with lesion

Organ	Findings	Group Name	Control	300 ppm	1000 ppm	3000 ppm
		No. of Animals on Study	50	50	50	50
{Digestive system}						
stomach			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	0	0	0
	metastasis:synovium tumor		0	1	0	0
small intes			<50>	<50>	<50>	<50>
	metastasis:uterus tumor		0	0	1	0
large intes			<50>	<50>	<50>	<50>
	metastasis:uterus tumor		0	0	1	0
	metastasis:synovium tumor		0	1	0	0
liver			<50>	<50>	<50>	<50>
	leukemic cell infiltration		11	7	4	3
	metastasis:synovium tumor		0	1	0	0
pancreas			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	2	1	0
	metastasis:uterus tumor		0	0	1	0
	metastasis:peritoneum tumor		0	0	1	0
{Urinary system}						
kidney			<50>	<50>	<50>	<50>
	leukemic cell infiltration		6	0	0	1
	metastasis:synovium tumor		0	1	0	0
{Endocrine system}						
adrenal			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	0	2	0

< a > a : Number of animals examined at the site
b b : Number of animals with lesion

Organ	Findings	Group Name / No. of Animals on Study	Control 50	300 ppm 50	1000 ppm 50	3000 ppm 50
{Reproductive system}						
ovary			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	0	1	0
uterus			<50>	<50>	<50>	<50>
	metastasis:peritoneum tumor		0	0	1	0
	metastasis:synovium tumor		0	1	0	0
{Nervous system}						
brain			<50>	<50>	<50>	<50>
	leukemic cell infiltration		3	1	1	0
spinal cord			<50>	<50>	<50>	<50>
	leukemic cell infiltration		2	1	0	0
periph nerv			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	0	0	0
{Musculoskeletal system}						
muscle			<50>	<50>	<50>	<50>
	metastasis:synovium tumor		0	1	0	0
{Body cavities}						
pleura			<50>	<50>	<50>	<50>
	metastasis:mediastinum tumor		1	0	0	0
peritoneum			<50>	<50>	<50>	<50>
	leukemic cell infiltration		4	1	0	0
	metastasis:uterus tumor		0	0	1	0

< a > a : Number of animals examined at the site
  b b : Number of animals with lesion

Organ	Findings	Group Name	Control	300 ppm	1000 ppm	3000 ppm
		No. of Animals on Study	50	50	50	50
{Body cavities}						
peritoneum			<50>	<50>	<50>	<50>
	metastasis:mediastinum tumor		1	0	0	0
	metastasis:synovium tumor		0	1	0	0

< a > a : Number of animals examined at the site
  b b : Number of animals with lesion

TABLE P1

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : MALE

Organ	Findings	Group Name	Control				300 ppm				1000 ppm				3000 ppm			
		No. of Animals on Study	50				50				50				50			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Integumentary system/appandage}																		
skin/app			<50>				<50>				<50>				<50>			
	squamous cell hyperplasia		1 (2)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	fibrosis:focal		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 (2)	0 (0)	0 (0)	0 (0)
	epidermal cyst		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
subcutis			<50>				<50>				<50>				<50>			
	hemorrhage		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 (2)	0 (0)	0 (0)	0 (0)
	fibrosis:focal		1 (2)	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 (2)	0 (0)	0 (0)
{Respiratory system}																		
nasal cavit			<50>				<50>				<50>				<50>			
	angiectasis		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 (2)	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+ (%)	300 ppm 1+ (%)	300 ppm 2+ (%)	300 ppm 3+ (%)	300 ppm 4+ (%)	1000 ppm 1+ (%)	1000 ppm 2+ (%)	1000 ppm 3+ (%)	1000 ppm 4+ (%)	3000 ppm 1+ (%)	3000 ppm 2+ (%)	3000 ppm 3+ (%)	3000 ppm 4+ (%)
{Respiratory system}																		
nasal cavit		No. of Animals on Study	50				50				50				50			
	hemorrhage	<50>	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 (2)	2 (4)	0 (0)	0 (0)
	thrombus		4 (8)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	inflammatory cell infiltration:focal		2 (4)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	squamous cell hyperplasia		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	16 (32)	3 (6)	11 (22)	0 (0) **
	rhinitis		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	25 (50)	11 (22)	0 (0)	0 (0) **	2 (4)	15 (30)	32 (64)	0 (0) **
	eosinophilic change:olfactory epithelium		34 (68)	7 (14)	0 (0)	0 (0)	34 (68)	0 (0)	0 (0)	0 (0) *	8 (16)	0 (0)	0 (0)	0 (0) **	2 (4)	0 (0)	0 (0)	0 (0) **
	inflammation:foreign body		12 (24)	0 (0)	0 (0)	0 (0)	6 (12)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0) **
	basal cell hyperplasia:olfactory epithelium		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	32 (64)	0 (0)	0 (0)	0 (0) **	35 (70)	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				300 ppm				1000 ppm				3000 ppm			
		No. of Animals on Study	50				50				50				50			
		Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
nasal cavit			<50>				<50>				<50>				<50>			
	squamous cell metaplasia:respiratory epithelium		0	0	0	0	3	0	0	0	21	1	0	0 **	30	19	0	0 **
			(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(42)	(2)	(0)	(0)	(60)	(38)	(0)	(0)
	hyperplasia:transitional epithelium		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)	(2)	(0)	(0)
	atrophy:olfactory epithelium		0	0	0	0	0	0	0	0	40	3	0	0 **	32	7	0	0 **
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(80)	(6)	(0)	(0)	(64)	(14)	(0)	(0)
	adhesion:turbinate		0	0	0	0	0	0	0	0	1	0	0	0	13	0	0	0 **
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(26)	(0)	(0)	(0)
nasopharynx			<50>				<50>				<50>				<50>			
	inflammation		1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
			(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
larynx			<50>				<50>				<50>				<50>			
	ulcer		1	0	0	0	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)
	inflammation:focal		1	0	0	0	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)

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 50 1+ (%)	Control 50 2+ (%)	Control 50 3+ (%)	Control 50 4+ (%)	300 ppm 50 1+ (%)	300 ppm 50 2+ (%)	300 ppm 50 3+ (%)	300 ppm 50 4+ (%)	1000 ppm 50 1+ (%)	1000 ppm 50 2+ (%)	1000 ppm 50 3+ (%)	1000 ppm 50 4+ (%)	3000 ppm 50 1+ (%)	3000 ppm 50 2+ (%)	3000 ppm 50 3+ (%)	3000 ppm 50 4+ (%)
{Respiratory system}																		
larynx		<50>																
	squamous cell hyperplasia		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	9 (18)	1 (2)	0 (0)	0 ** (0)
trachea		<50>																
	squamous cell hyperplasia		0 (0)	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 (4)	0 (0)	0 (0)
lung		<50>																
	hemorrhage		1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	1 (2)	0 (0)
	edema		1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	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)	1 (2)	0 (0)	0 (0)	0 (0)
	lymphocytic infiltration		1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	bronchiolar-alveolar cell hyperplasia		5 (10)	1 (2)	0 (0)	0 (0)	5 (10)	1 (2)	1 (2)	0 (0)	3 (6)	1 (2)	1 (2)	0 (0)	4 (8)	1 (2)	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+ (%)	300 ppm 1+ (%)	300 ppm 2+ (%)	300 ppm 3+ (%)	300 ppm 4+ (%)	1000 ppm 1+ (%)	1000 ppm 2+ (%)	1000 ppm 3+ (%)	1000 ppm 4+ (%)	3000 ppm 1+ (%)	3000 ppm 2+ (%)	3000 ppm 3+ (%)	3000 ppm 4+ (%)
{Respiratory system}																		
lung		No. of Animals on Study	50				50				50				50			
	atelectasis	<50>	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 (2)	0 (0)	0 (0)	0 (0)
	inflammation:foreign body	<50>	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	11 (22)	4 (8)	0 (0)	0 (0) **
	accumulation:alveolar macrophage	<50>	2 (4)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
{Hematopoietic system}																		
bone marrow		No. of Animals on Study	50				50				50				50			
	atrophy	<50>	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)
	congestion	<50>	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 (6)	0 (0)	0 (0)	0 (0)
	hemorrhage	<50>	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	granulation	<50>	2 (4)	0 (0)	0 (0)	0 (0)	2 (4)	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 / No. of Animals on Study / Grade	Control 50 1+ (%)	Control 50 2+ (%)	Control 50 3+ (%)	Control 50 4+ (%)	300 ppm 50 1+ (%)	300 ppm 50 2+ (%)	300 ppm 50 3+ (%)	300 ppm 50 4+ (%)	1000 ppm 50 1+ (%)	1000 ppm 50 2+ (%)	1000 ppm 50 3+ (%)	1000 ppm 50 4+ (%)	3000 ppm 50 1+ (%)	3000 ppm 50 2+ (%)	3000 ppm 50 3+ (%)	3000 ppm 50 4+ (%)
{Hematopoietic system}																		
bone marrow		<50>																
	increased hematopoiesis		6 (12)	0 (0)	0 (0)	0 (0)	9 (18)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	11 (22)	0 (0)	0 (0)	0 (0)
	myelofibrosis		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
lymph node		<50>																
	granulomatous change		0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
spleen		<50>																
	congestion		1 (2)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hemorrhage		1 (2)	0 (0)	0 (0)	0 (0)	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 hemosiderin		4 (8)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
	fibrosis:focal		2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	1 (2)	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				300 ppm				1000 ppm				3000 ppm			
		No. of Animals on Study	50				50				50				50			
		Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Hematopoietic system}																		
spleen			<50>				<50>				<50>				<50>			
	extramedullary hematopoiesis		1	2	0	0	6	0	0	0	3	2	0	0	8	1	0	0 *
			(2)	(4)	(0)	(0)	(12)	(0)	(0)	(0)	(6)	(4)	(0)	(0)	(16)	(2)	(0)	(0)
{Circulatory system}																		
heart			<50>				<50>				<50>				<50>			
	thrombus		2	0	0	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)
	necrosis:focal		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)	(2)	(0)	(0)
	inflammatory infiltration		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammatory cell nest		0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	myocardial fibrosis		10	1	0	0	7	0	0	0	6	0	0	0	8	0	0	0
			(20)	(2)	(0)	(0)	(14)	(0)	(0)	(0)	(12)	(0)	(0)	(0)	(16)	(0)	(0)	(0)
	subendocardial fibrosis		2	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0
			(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(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+ (%)	300 ppm 1+ (%)	300 ppm 2+ (%)	300 ppm 3+ (%)	300 ppm 4+ (%)	1000 ppm 1+ (%)	1000 ppm 2+ (%)	1000 ppm 3+ (%)	1000 ppm 4+ (%)	3000 ppm 1+ (%)	3000 ppm 2+ (%)	3000 ppm 3+ (%)	3000 ppm 4+ (%)
{Circulatory system}																		
artery/aort		No. of Animals on Study	50				50				50				50			
		<a>	<50>				<50>				<50>				<50>			
	arteritis		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(c)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Digestive system}																		
salivary gl																		
		<a>	<50>				<50>				<50>				<50>			
	lymphocytic infiltration		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(c)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
stomach																		
		<a>	<50>				<50>				<50>				<50>			
	inflammatory infiltration		1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
		(c)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
	ulcer:forestomach		0	0	1	0	0	0	2	0	0	0	0	0	0	0	0	0
		(c)	(0)	(0)	(2)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	hyperplasia:forestomach		2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(c)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammation:forestomach		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(c)	(0)	(0)	(0)	(0)	(2)	(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	Control				300 ppm				1000 ppm				3000 ppm			
		No. of Animals on Study	50				50				50				50			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Digestive system}																		
stomach			<50>				<50>				<50>				<50>			
	erosion:glandular stomach		4 (8)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
	ulcer:glandular stomach		1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
small intes			<50>				<50>				<50>				<50>			
	diverticula		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	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)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	lymphocytic infiltration		2 (4)	0 (0)	0 (0)	0 (0)	5 (10)	0 (0)	0 (0)	0 (0)	6 (12)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)
	lymph-follicular hyperplasia		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
large intes			<50>				<50>				<50>				<50>			
	ulcer		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	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 / Grade	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	300 ppm 1+ (%)	300 ppm 2+ (%)	300 ppm 3+ (%)	300 ppm 4+ (%)	1000 ppm 1+ (%)	1000 ppm 2+ (%)	1000 ppm 3+ (%)	1000 ppm 4+ (%)	3000 ppm 1+ (%)	3000 ppm 2+ (%)	3000 ppm 3+ (%)	3000 ppm 4+ (%)
{Digestive system}																		
large intes		No. of Animals on Study	50				50				50				50			
		<a>	<50>				<50>				<50>				<50>			
	hemorrhage	1	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	lymphocytic infiltration	2	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	6 (12)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
	inflammation:focal	0	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	lymph-follicular hyperplasia	0	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
liver		No. of Animals on Study	50				50				50				50			
		<a>	<50>				<50>				<50>				<50>			
	herniation	10	10 (20)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)	5 (10)	0 (0)	0 (0)	0 (0)	6 (12)	0 (0)	0 (0)	0 (0)
	angiectasis	3	3 (6)	1 (2)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	necrosis: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)	1 (2)	0 (0)	0 (0)	0 (0)
	lymphocytic infiltration	1	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	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+ (%)	300 ppm 1+ (%)	300 ppm 2+ (%)	300 ppm 3+ (%)	300 ppm 4+ (%)	1000 ppm 1+ (%)	1000 ppm 2+ (%)	1000 ppm 3+ (%)	1000 ppm 4+ (%)	3000 ppm 1+ (%)	3000 ppm 2+ (%)	3000 ppm 3+ (%)	3000 ppm 4+ (%)
{Digestive system}																		
liver		No. of Animals on Study	50				50				50				50			
	granulation	<50>	2 (4)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	extramedullary hematopoiesis		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 (2)	0 (0)	0 (0)	0 (0)
	acidophilic cell focus		14 (28)	2 (4)	1 (2)	0 (0)	15 (30)	9 (18)	2 (4)	0 (0)	10 (20)	2 (4)	3 (6)	0 (0)	1 (2)	0 (0)	1 (2)	0 (0) **
	basophilic cell focus		3 (6)	1 (2)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)
	spongiosis hepatis		2 (4)	3 (6)	0 (0)	0 (0)	5 (10)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	bile duct hyperplasia		23 (46)	1 (2)	0 (0)	0 (0)	32 (64)	0 (0)	0 (0)	0 (0)	30 (60)	0 (0)	0 (0)	0 (0)	8 (16)	0 (0)	0 (0)	0 (0) **
	biliary cyst		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 (2)	0 (0)	0 (0)	0 (0)
	focal fatty change		1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	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 / No. of Animals on Study / Grade	Control 50 1+ (%)	Control 50 2+ (%)	Control 50 3+ (%)	Control 50 4+ (%)	300 ppm 50 1+ (%)	300 ppm 50 2+ (%)	300 ppm 50 3+ (%)	300 ppm 50 4+ (%)	1000 ppm 50 1+ (%)	1000 ppm 50 2+ (%)	1000 ppm 50 3+ (%)	1000 ppm 50 4+ (%)	3000 ppm 50 1+ (%)	3000 ppm 50 2+ (%)	3000 ppm 50 3+ (%)	3000 ppm 50 4+ (%)
{Digestive system}																		
pancreas		<50>																
	atrophy		1 (2)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	2 (4)	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)	1 (2)	0 (0)	0 (0)	0 (0)
	islet cell hyperplasia		2 (4)	0 (0)	1 (2)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)	1 (2)	1 (2)	1 (2)	0 (0)
{Urinary system}																		
kidney		<50>																
	infarct		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	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)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	lymphocytic infiltration		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	osseous metaplasia		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 (2)	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+ (%)	300 ppm 1+ (%)	300 ppm 2+ (%)	300 ppm 3+ (%)	300 ppm 4+ (%)	1000 ppm 1+ (%)	1000 ppm 2+ (%)	1000 ppm 3+ (%)	1000 ppm 4+ (%)	3000 ppm 1+ (%)	3000 ppm 2+ (%)	3000 ppm 3+ (%)	3000 ppm 4+ (%)
{Urinary system}																		
kidney		No. of Animals on Study	50				50				50				50			
	chronic nephropathy	<50>	30 (60)	7 (14)	4 (8)	0 (0)	28 (56)	12 (24)	1 (2)	0 (0)	30 (60)	8 (16)	1 (2)	0 (0)	17 (34)	1 (2)	3 (6)	0 (0) **
	mineralization:papilla		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 (2)	0 (0)	0 (0)	0 (0)
	hyperplasia:tubular 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)	2 (4)	0 (0)	0 (0)	0 (0)
	regeneration:renal tubule		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)
	eosinophilic droplet:proximal tubule		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
urin bladd		<50>	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	simple hyperplasia: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)	1 (2)	0 (0)	0 (0)	0 (0)
	retention:eosinophilic material		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 (2)	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				300 ppm				1000 ppm				3000 ppm			
		No. of Animals on Study	50				50				50				50			
		Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}																		
urin bladd			<50>				<50>				<50>				<50>			
	papillary and/or nodular hyperplasia		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)	(2)	(0)	(0)	(0)
{Endocrine system}																		
pituitary			<50>				<50>				<50>				<50>			
	angiectasis		2	0	0	0	0	0	0	0	2	1	0	0	1	0	0	0
			(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(2)	(0)	(0)	(2)	(0)	(0)	(0)
	hemorrhage		1	0	0	0	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)
	cyst		3	0	0	0	1	1	0	0	2	0	0	0	3	0	0	0
			(6)	(0)	(0)	(0)	(2)	(2)	(0)	(0)	(4)	(0)	(0)	(0)	(6)	(0)	(0)	(0)
	hyperplasia:anterior lobe		5	3	6	0	6	3	5	0	6	3	3	0	5	3	2	0
			(10)	(6)	(12)	(0)	(12)	(6)	(10)	(0)	(12)	(6)	(6)	(0)	(10)	(6)	(4)	(0)
	cystic degeneration:anterior lobe		2	0	0	0	3	1	0	0	2	0	0	0	1	0	0	0
			(4)	(0)	(0)	(0)	(6)	(2)	(0)	(0)	(4)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
thyroid			<50>				<50>				<50>				<50>			
	follicular hyperplasia		0	0	1	0	0	0	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)

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 50 1+ (%)	Control 50 2+ (%)	Control 50 3+ (%)	Control 50 4+ (%)	300 ppm 50 1+ (%)	300 ppm 50 2+ (%)	300 ppm 50 3+ (%)	300 ppm 50 4+ (%)	1000 ppm 50 1+ (%)	1000 ppm 50 2+ (%)	1000 ppm 50 3+ (%)	1000 ppm 50 4+ (%)	3000 ppm 50 1+ (%)	3000 ppm 50 2+ (%)	3000 ppm 50 3+ (%)	3000 ppm 50 4+ (%)
{Endocrine system}																		
thyroid		<50>					<50>				<50>				<50>			
	C-cell hyperplasia		11 (22)	6 (12)	1 (2)	0 (0)	17 (34)	3 (6)	1 (2)	0 (0)	11 (22)	3 (6)	5 (10)	0 (0)	9 (18)	0 (0)	5 (10)	0 * (0)
	cystic thyroid follicle		1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
adrenal		<50>					<50>				<50>				<50>			
	necrosis:focal		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hyperplasia:cortical cell		1 (2)	2 (4)	1 (2)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	1 (2)	0 (0)	0 (0)	3 (6)	1 (2)	1 (2)	0 (0)
	hyperplasia:medulla		1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	focal fatty change:cortex		1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
{Reproductive system}																		
testis		<50>					<50>				<50>				<50>			
	interstitial cell hyperplasia		9 (18)	0 (0)	0 (0)	0 (0)	7 (14)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	2 (4)	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+ (%)	300 ppm 1+ (%)	300 ppm 2+ (%)	300 ppm 3+ (%)	300 ppm 4+ (%)	1000 ppm 1+ (%)	1000 ppm 2+ (%)	1000 ppm 3+ (%)	1000 ppm 4+ (%)	3000 ppm 1+ (%)	3000 ppm 2+ (%)	3000 ppm 3+ (%)	3000 ppm 4+ (%)
{Reproductive system}																		
prostate		No. of Animals on Study	50				50				50				50			
	inflammation	<50>	3	0	0	0	6	0	0	0	5	0	0	0	3	0	0	0
			(6)	(0)	(0)	(0)	(12)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(6)	(0)	(0)	(0)
	hyperplasia		8	5	0	0	9	1	3	0	9	3	0	0	10	0	0	0
			(16)	(10)	(0)	(0)	(18)	(2)	(6)	(0)	(18)	(6)	(0)	(0)	(20)	(0)	(0)	(0)
{Nervous system}																		
brain		No. of Animals on Study	50				50				50				50			
	deformity	<50>	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	hemorrhage		1	0	0	0	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)
	gliosis		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)	(2)	(0)	(0)	(0)	(0)	(0)
{Special sense organs/appendage}																		
eye		No. of Animals on Study	50				50				50				50			
	cataract	<50>	2	0	0	0	0	1	0	0	2	0	0	0	3	0	0	0
			(4)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(4)	(0)	(0)	(0)	(6)	(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+ (%)	300 ppm 1+ (%)	300 ppm 2+ (%)	300 ppm 3+ (%)	300 ppm 4+ (%)	1000 ppm 1+ (%)	1000 ppm 2+ (%)	1000 ppm 3+ (%)	1000 ppm 4+ (%)	3000 ppm 1+ (%)	3000 ppm 2+ (%)	3000 ppm 3+ (%)	3000 ppm 4+ (%)
{Special sense organs/appendage}																		
eye		No. of Animals on Study	50				50				50				50			
	retinal atrophy		1 (2)	1 (2)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	1 (2)	0 (0)	2 (4)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)
	keratitis		0 (0)	0 (0)	0 (0)	0 (0)	6 (12)	0 (0)	0 (0)	0 * (0)	22 (44)	0 (0)	0 (0)	0 ** (0)	20 (40)	2 (4)	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)	1 (2)	0 (0)	0 (0)	0 (0)
	degeneration:cornea		0 (0)	0 (0)	0 (0)	0 (0)	18 (36)	0 (0)	0 (0)	0 ** (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
nasolacr d		No. of Animals on Study	50				50				50				50			
	stenosis		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 (2)	0 (0)	0 (0)	0 (0)
	inflammation		1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Musculoskeletal system}																		
bone		No. of Animals on Study	50				50				50				50			
	osteosclerosis		1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	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

TABLE P2

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : FEMALE

Organ	Findings	Group Name	Control				300 ppm				1000 ppm				3000 ppm			
		No. of Animals on Study	50				50				50				50			
		Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Integumentary system/appandage}																		
skin/app			<50>				<50>				<50>				<50>			
	squamous cell hyperplasia		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	epidermal cyst		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)	(2)	(0)	(0)	(0)
{Respiratory system}																		
nasal cavit			<50>				<50>				<50>				<50>			
	hemorrhage		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)	(2)	(0)	(0)	(0)
	inflammatory cell infiltration:focal		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	squamous cell hyperplasia		0	0	0	0	0	0	0	0	0	0	0	0	10	0	6	0 **
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(20)	(0)	(12)	(0)
	rhinitis		0	0	0	0	0	0	0	0	16	0	0	0 **	9	34	4	0 **
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(32)	(0)	(0)	(0)	(18)	(68)	(8)	(0)
	eosinophilic change:olfactory epithelium		21	28	0	0	49	0	0	0 **	43	0	0	0 **	5	0	0	0 **
			(42)	(56)	(0)	(0)	(98)	(0)	(0)	(0)	(86)	(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+ (%)	300 ppm 1+ (%)	300 ppm 2+ (%)	300 ppm 3+ (%)	300 ppm 4+ (%)	1000 ppm 1+ (%)	1000 ppm 2+ (%)	1000 ppm 3+ (%)	1000 ppm 4+ (%)	3000 ppm 1+ (%)	3000 ppm 2+ (%)	3000 ppm 3+ (%)	3000 ppm 4+ (%)
{Respiratory system}																		
nasal cavit		No. of Animals on Study	50				50				50				50			
	inflammation:foreign body	<50>	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	basal cell hyperplasia:olfactory epithelium		0	0	0	0	0	0	0	0	3	0	0	0	36	0	0	0 **
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(72)	(0)	(0)	(0)
	squamous cell metaplasia:respiratory epithelium		0	0	0	0	2	0	0	0	28	0	0	0 **	48	0	0	0 **
			(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(56)	(0)	(0)	(0)	(96)	(0)	(0)	(0)
	hyperplasia:transitional epithelium		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)	(4)	(0)	(0)	(0)
	atrophy:olfactory epithelium		0	0	0	0	2	0	0	0	42	2	0	0 **	37	2	0	0 **
			(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(84)	(4)	(0)	(0)	(74)	(4)	(0)	(0)
	adhesion:turbinate		0	0	0	0	0	0	0	0	0	0	0	0	9	0	0	0 **
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(18)	(0)	(0)	(0)
larynx		<50>																
	inflammation:focal		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	squamous cell hyperplasia		0	0	0	0	0	0	0	0	1	0	0	0	4	3	1	0 *
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(8)	(6)	(2)	(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				300 ppm				1000 ppm				3000 ppm			
		No. of Animals on Study	50				50				50				50			
		1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Respiratory system}																		
trachea		<50>				<50>				<50>				<50>				
	squamous cell metaplasia	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 (4)	1 (2)	0 (0)	0 (0)	
	squamous cell hyperplasia	0 (0)	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 (4)	0 (0)	0 (0)	
lung		<50>				<50>				<50>				<50>				
	hemorrhage	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
	edema	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	11 (22)	0 (0)	0 (0)	0 (0)	**
	cholesterol granuloma	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
	inflammation	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
	inflammatory infiltration	2 (4)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	
	lymphocytic infiltration	1 (2)	0 (0)	0 (0)	0 (0)	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 / Grade	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	300 ppm 1+ (%)	300 ppm 2+ (%)	300 ppm 3+ (%)	300 ppm 4+ (%)	1000 ppm 1+ (%)	1000 ppm 2+ (%)	1000 ppm 3+ (%)	1000 ppm 4+ (%)	3000 ppm 1+ (%)	3000 ppm 2+ (%)	3000 ppm 3+ (%)	3000 ppm 4+ (%)
{Respiratory system}																		
lung		No. of Animals on Study	50				50				50				50			
	bronchiolar-alveolar cell hyperplasia	<50>	4 (8)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	1 (2)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
	inflammation:foreign body	<50>	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 (4)	1 (2)	0 (0)	0 (0)
	eosinophilic crystalline pneumonia	<50>	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	accumulation:alveolar macrophage	<50>	1 (2)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
{Hematopoietic system}																		
bone marrow		No. of Animals on Study	50				50				50				50			
	atrophy	<50>	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	granulation	<50>	3 (6)	0 (0)	0 (0)	0 (0)	5 (10)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)
	increased hematopoiesis	<50>	4 (8)	0 (0)	0 (0)	0 (0)	9 (18)	0 (0)	0 (0)	0 (0)	6 (12)	0 (0)	0 (0)	0 (0)	5 (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 / No. of Animals on Study / Grade	Control 50 1+ (%)	Control 50 2+ (%)	Control 50 3+ (%)	Control 50 4+ (%)	300 ppm 50 1+ (%)	300 ppm 50 2+ (%)	300 ppm 50 3+ (%)	300 ppm 50 4+ (%)	1000 ppm 50 1+ (%)	1000 ppm 50 2+ (%)	1000 ppm 50 3+ (%)	1000 ppm 50 4+ (%)	3000 ppm 50 1+ (%)	3000 ppm 50 2+ (%)	3000 ppm 50 3+ (%)	3000 ppm 50 4+ (%)
{Hematopoietic system}																		
bone marrow		<50>																
	myelofibrosis		0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
lymph node		<50>																
	inflammatory infiltration		0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	granulomatous change		1 (2)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
spleen		<50>																
	congestion		1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	cyst		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 (2)	0 (0)	0 (0)	0 (0)
	deposit of hemosiderin		20 (40)	0 (0)	0 (0)	0 (0)	11 (22)	0 (0)	0 (0)	0 (0)	19 (38)	0 (0)	0 (0)	0 (0)	24 (48)	0 (0)	0 (0)	0 (0)
	fibrosis		0 (0)	0 (0)	1 (2)	0 (0)	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 / Grade	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	300 ppm 1+ (%)	300 ppm 2+ (%)	300 ppm 3+ (%)	300 ppm 4+ (%)	1000 ppm 1+ (%)	1000 ppm 2+ (%)	1000 ppm 3+ (%)	1000 ppm 4+ (%)	3000 ppm 1+ (%)	3000 ppm 2+ (%)	3000 ppm 3+ (%)	3000 ppm 4+ (%)
{Hematopoietic system}																		
spleen		No. of Animals on Study	50				50				50				50			
	extramedullary hematopoiesis	<50>	4	0	0	0	7	3	0	0	4	1	0	0	5	0	0	0
			(8)	(0)	(0)	(0)	(14)	(6)	(0)	(0)	(8)	(2)	(0)	(0)	(10)	(0)	(0)	(0)
{Circulatory system}																		
heart		<50>																
	thrombus		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	myocardial fibrosis		4	0	0	0	3	0	0	0	4	0	0	0	7	0	0	0
			(8)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(8)	(0)	(0)	(0)	(14)	(0)	(0)	(0)
	subendocardial fibrosis		2	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0
			(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)
{Digestive system}																		
oral cavity		<50>																
	squamous cell hyperplasia		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)	(2)	(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 / No. of Animals on Study / Grade	Control 50 1+ (%)	Control 50 2+ (%)	Control 50 3+ (%)	Control 50 4+ (%)	300 ppm 50 1+ (%)	300 ppm 50 2+ (%)	300 ppm 50 3+ (%)	300 ppm 50 4+ (%)	1000 ppm 50 1+ (%)	1000 ppm 50 2+ (%)	1000 ppm 50 3+ (%)	1000 ppm 50 4+ (%)	3000 ppm 50 1+ (%)	3000 ppm 50 2+ (%)	3000 ppm 50 3+ (%)	3000 ppm 50 4+ (%)
{Digestive system}																		
tooth		<50>																
	cyst		0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
tongue		<50>																
	epidermal cyst		0 (0)	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 (2)	0 (0)	0 (0)
salivary gl		<50>																
	atrophy		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 (2)	0 (0)	0 (0)	0 (0)
stomach		<50>																
	erosion:forestomach		1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	ulcer:forestomach		2 (4)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hyperplasia:forestomach		1 (2)	1 (2)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	erosion:glandular stomach		2 (4)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	2 (4)	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+ (%)	300 ppm 1+ (%)	300 ppm 2+ (%)	300 ppm 3+ (%)	300 ppm 4+ (%)	1000 ppm 1+ (%)	1000 ppm 2+ (%)	1000 ppm 3+ (%)	1000 ppm 4+ (%)	3000 ppm 1+ (%)	3000 ppm 2+ (%)	3000 ppm 3+ (%)	3000 ppm 4+ (%)
{Digestive system}																		
stomach		No. of Animals on Study	50				50				50				50			
	ulcer:glandular stomach	<50>	0	1	0	0	0	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)
	hyperplasia:glandular stomach		1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
small intes		<50>																
	inflammatory infiltration		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	lymphocytic infiltration		0	0	0	0	2	0	0	0	0	1	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(2)	(0)	(0)	(0)
large intes		<50>																
	lymphocytic infiltration		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
liver		<50>																
	herniation		10	0	0	0	11	0	0	0	8	0	0	0	10	0	0	0
			(20)	(0)	(0)	(0)	(22)	(0)	(0)	(0)	(16)	(0)	(0)	(0)	(20)	(0)	(0)	(0)
	angiectasis		1	0	0	0	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)

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				300 ppm				1000 ppm				3000 ppm			
		No. of Animals on Study	50				50				50				50			
		Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																		
liver			<50>				<50>				<50>				<50>			
	hemorrhage		0	1	0	0	0	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)
	necrosis:focal		2	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0
			(4)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
	fatty change:peripheral		1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	inflammatory infiltration		2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
			(4)	(0)	(0)	(0)	(2)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	granulation		5	0	0	0	5	3	0	0	6	0	0	0	8	1	0	0
			(10)	(0)	(0)	(0)	(10)	(6)	(0)	(0)	(12)	(0)	(0)	(0)	(16)	(2)	(0)	(0)
	acidophilic cell focus		2	0	1	0	2	2	0	0	4	2	0	0	1	0	0	0
			(4)	(0)	(2)	(0)	(4)	(4)	(0)	(0)	(8)	(4)	(0)	(0)	(2)	(0)	(0)	(0)
	basophilic cell focus		15	7	3	0	19	3	1	0	23	3	0	0	16	3	1	0
			(30)	(14)	(6)	(0)	(38)	(6)	(2)	(0)	(46)	(6)	(0)	(0)	(32)	(6)	(2)	(0)
	bile duct hyperplasia		0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(2)	(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+ (%)	300 ppm 1+ (%)	300 ppm 2+ (%)	300 ppm 3+ (%)	300 ppm 4+ (%)	1000 ppm 1+ (%)	1000 ppm 2+ (%)	1000 ppm 3+ (%)	1000 ppm 4+ (%)	3000 ppm 1+ (%)	3000 ppm 2+ (%)	3000 ppm 3+ (%)	3000 ppm 4+ (%)
{Digestive system}																		
liver		No. of Animals on Study	50				50				50				50			
	cholangiofibrosis	<50>	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	focal fatty change	<50>	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
pancreas		No. of Animals on Study	50				50				50				50			
	atrophy	<50>	1 (2)	0 (0)	0 (0)	0 (0)	3 (6)	1 (2)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Urinary system}																		
kidney		No. of Animals on Study	50				50				50				50			
	deposit of hemosiderin	<50>	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	fibrosis:focal	<50>	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	chronic nephropathy	<50>	7 (14)	5 (10)	1 (2)	0 (0)	8 (16)	6 (12)	1 (2)	0 (0)	6 (12)	1 (2)	1 (2)	0 (0)	1 (2)	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				300 ppm				1000 ppm				3000 ppm			
		No. of Animals on Study	50				50				50				50			
		Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}																		
kidney			<50>				<50>				<50>				<50>			
	pyelitis		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)	(2)	(0)	(0)	(0)	(0)	(0)	(0)
	mineralization:cortico-medullary junction		1	0	0	0	4	0	0	0	3	0	0	0	0	0	0	0
			(2)	(0)	(0)	(0)	(8)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	mineralization:papilla		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	urothelial hyperplasia:pelvis		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	atypical tubule hyperplasia		0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(2)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	dilated pelvis		0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)
	nephroblastematosis		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)	(2)	(0)	(0)	(0)
	eosinophilic droplet:proximal tubule		1	0	0	0	2	0	0	0	0	1	0	0	0	0	0	0
			(2)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(2)	(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				300 ppm				1000 ppm				3000 ppm			
		No. of Animals on Study	50				50				50				50			
		Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Urinary system}																		
urin bladd			<50>				<50>				<50>				<50>			
	dilatation		0	0	0	0	2	0	0	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)
	simple hyperplasia:transitional epithelium		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Endocrine system}																		
pituitary			<49>				<50>				<50>				<49>			
	angiectasis		4	1	0	0	8	2	0	0	5	0	0	0	2	2	0	0
			(8)	(2)	(0)	(0)	(16)	(4)	(0)	(0)	(10)	(0)	(0)	(0)	(4)	(4)	(0)	(0)
	cyst		0	0	0	0	2	0	0	0	3	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
	hyperplasia:anterior lobe		4	2	0	0	2	2	2	0	3	1	1	0	3	1	1	0
			(8)	(4)	(0)	(0)	(4)	(4)	(4)	(0)	(6)	(2)	(2)	(0)	(6)	(2)	(2)	(0)
	cystic degeneration:anterior lobe		8	3	0	0	13	0	0	0	12	0	0	0	8	1	0	0
			(16)	(6)	(0)	(0)	(26)	(0)	(0)	(0)	(24)	(0)	(0)	(0)	(16)	(2)	(0)	(0)
thyroid			<50>				<50>				<50>				<50>			
	C-cell hyperplasia		12	3	2	0	13	2	3	0	13	5	4	0	4	2	0	0
			(24)	(6)	(4)	(0)	(26)	(4)	(6)	(0)	(26)	(10)	(8)	(0)	(8)	(4)	(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+ (%)	300 ppm 1+ (%)	300 ppm 2+ (%)	300 ppm 3+ (%)	300 ppm 4+ (%)	1000 ppm 1+ (%)	1000 ppm 2+ (%)	1000 ppm 3+ (%)	1000 ppm 4+ (%)	3000 ppm 1+ (%)	3000 ppm 2+ (%)	3000 ppm 3+ (%)	3000 ppm 4+ (%)
{Endocrine system}																		
thyroid		No. of Animals on Study	50				50				50				50			
	cystic thyroid follicle	<50>	1	0	0	0	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)
adrenal		No. of Animals on Study	50				50				50				50			
	angiectasis	<50>	4	0	0	0	2	0	0	0	3	0	0	0	1	2	0	0
			(8)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(2)	(4)	(0)	(0)
	necrosis:focal		0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	cyst		1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
			(2)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	hyperplasia:cortical cell		0	0	0	0	1	0	0	0	1	0	0	0	2	0	0	0
			(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(4)	(0)	(0)	(0)
	focal fatty change:cortex		3	0	0	0	1	0	0	0	3	0	0	0	6	0	0	0
			(6)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(12)	(0)	(0)	(0)
{Reproductive system}																		
ovary		No. of Animals on Study	50				50				50				50			
	cyst	<50>	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(2)	(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	Control				300 ppm				1000 ppm				3000 ppm			
		No. of Animals on Study	50				50				50				50			
		Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Reproductive system}																		
ovary			<50>				<50>				<50>				<50>			
	inflammatory infiltration		0	1	0	0	0	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)
	ovariancyst		0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(4)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
uterus			<50>				<50>				<50>				<50>			
	dilatation		0	0	0	0	1	0	0	0	2	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
	endometrial hyperplasia		0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(2)	(0)
	cystic endometrial hyperplasia		2	1	0	0	1	0	0	0	3	0	1	0	1	1	0	0
			(4)	(2)	(0)	(0)	(2)	(0)	(0)	(0)	(6)	(0)	(2)	(0)	(2)	(2)	(0)	(0)
vagina			<50>				<50>				<50>				<50>			
	polyp		0	1	0	0	0	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)
	stromal hyperplasia		1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
			(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(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				300 ppm				1000 ppm				3000 ppm			
		No. of Animals on Study	50				50				50				50			
		Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Reproductive system}																		
mammary gl			<50>				<50>				<50>				<50>			
	hyperplasia		0	0	1	0	0	0	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)
{Nervous system}																		
brain			<50>				<50>				<50>				<50>			
	gliosis		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)	(2)	(0)	(0)	(0)	(0)	(0)	(0)
{Special sense organs/appendage}																		
eye			<50>				<50>				<50>				<50>			
	cataract		2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
			(4)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	retinal atrophy		1	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
			(2)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	keratitis		1	0	0	0	12	0	0	0 **	12	0	0	0 **	5	0	0	0
			(2)	(0)	(0)	(0)	(24)	(0)	(0)	(0)	(24)	(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	300 ppm	1000 ppm	3000 ppm
		No. of Animals on Study	50	50	50	50
		1+ (%)	5 (10)	16 (32)	11 (22)	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}						
eye			<50>	<50>	<50>	<50>
	degeneration:cornea	1+ (%)	5 (10)	16 (32)	11 (22)	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)
	ulcer:cornea	1+ (%)	0 (0)	0 (0)	0 (0)	0 (0)
		2+ (%)	0 (0)	0 (0)	0 (0)	1 (2)
		3+ (%)	0 (0)	0 (0)	0 (0)	0 (0)
		4+ (%)	0 (0)	0 (0)	0 (0)	0 (0)
Harder gl			<50>	<50>	<50>	<50>
	degeneration	1+ (%)	0 (0)	0 (0)	1 (2)	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)
nasolacr d			<50>	<50>	<50>	<50>
	inflammation	1+ (%)	12 (24)	10 (20)	11 (22)	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)
{Musculoskeletal system}						
bone			<50>	<50>	<50>	<50>
	osteosclerosis	1+ (%)	6 (12)	4 (8)	2 (4)	3 (6)
		2+ (%)	2 (4)	3 (6)	0 (0)	1 (2)
		3+ (%)	0 (0)	0 (0)	0 (0)	2 (4)
		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

TABLE Q1

CAUSE OF DEATH : MALE

STUDY NO. : 0914
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
SEX : MALE

COUSE OF DEATH (SUMMARY)
(O-105W)

Group Name	Control	300 ppm	1000 ppm	3000 ppm
Number of Dead and Moribund Animal	19	14	16	19
no microscop confirm	0	0	1	1
respiratory sy les	0	0	0	1
nasal lesion	0	0	0	1
deglutition disorder	0	1	1	3
tumor d:leukemia	11	8	7	5
tumor d:subcutis	1	2	2	1
tumor d:nasal cavit	0	0	0	5
tumor d:lung	0	1	0	0
tumor d:small intes	1	0	0	0
tumor d:pituitary	2	0	3	2
tumor d:adrenal	1	0	0	0
tumor d:prep/cli gl	1	0	0	0
tumor d:Zymbal gl	0	1	2	0
tumor d:vertebra	1	0	0	0
tumor d:peritoneum	1	1	0	0

TABLE Q2

CAUSE OF DEATH : FEMALE

Group Name	Control	300 ppm	1000 ppm	3000 ppm
Number of Dead and Moribund Animal	17	11	12	28
no microscop confirm	0	0	0	3
hematopoietic sy les	1	0	0	0
renal lesion	0	0	1	0
deglutition disorder	1	1	3	16
tumor d:leukemia	10	4	4	2
tumor d:skin/app	0	1	0	0
tumor d:nasal cavit	0	0	0	2
tumor d:pituitary	5	2	2	3
tumor d:uterus	0	0	1	0
tumor d:prep/cli gl	0	1	0	0
tumor d:brain	0	0	0	1
tumor d:spinal cord	0	1	0	0
tumor d:bone	0	0	0	1
tumor d:synovium	0	1	0	0
tumor d:peritoneum	0	0	1	0