アリルアルコールのラットを用いた
吸入によるがん原性試験報告書

試験番号：0918

TABLES

TABLES

TABLES (CONTINUED)

TABLES (CONTINUED)

TABLE A

CONCENTRATIONS OF ALLYL ALCOHOL

IN THE INHALATION CHAMBER

TABLE A CONCENTRATIONS OF ALLYL ALCOHOL IN THE INHALATION CHAMBER

Group Name	Concentration(ppm) Mean ± S.D.
Control	0.0 ± 0.0
4 ppm	4.0 ± 0.0
10 ppm	10.0 ± 0.1
25 ppm	25.1 ± 0.1

TABLE B1

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0918 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
4 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
10 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
25 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. : 0918 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
4 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
10 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
25 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(%)

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
4 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
10 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
25 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(%)

SURVIVAL ANIMAL NUMBERS

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	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
4 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
10 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
25 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. : 0918 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	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
4 ppm	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	48/50	48/50
		100.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	96.0	96.0
10 ppm	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
25 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. : 0918 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	50/50	50/50	50/50	50/50	50/50	49/50	49/50	49/50	49/50	49/50	48/50	48/50	48/50	48/50
		100.0	100.0	100.0	100.0	100.0	98.0	98.0	98.0	98.0	98.0	96.0	96.0	96.0	96.0
4 ppm	50	48/50	48/50	48/50	48/50	48/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50
		96.0	96.0	96.0	96.0	96.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
10 ppm	50	49/50	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
		98.0	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
25 ppm	50	48/50	48/50	48/50	48/50	48/50	47/50	46/50	46/50	45/50	45/50	44/50	44/50	44/50	44/50
		96.0	96.0	96.0	96.0	96.0	94.0	92.0	92.0	90.0	90.0	88.0	88.0	88.0	88.0

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

STUDY NO. : 0918 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	47/50	47/50	46/50	46/50	46/50	46/50	42/50	42/50	42/50	42/50	41/50	40/50	40/50	39/50
		94.0	94.0	92.0	92.0	92.0	92.0	84.0	84.0	84.0	84.0	82.0	80.0	80.0	78.0
4 ppm	50	45/50	45/50	45/50	45/50	45/50	45/50	43/50	41/50	41/50	40/50	40/50	39/50	39/50	39/50
		90.0	90.0	90.0	90.0	90.0	90.0	86.0	82.0	82.0	80.0	80.0	78.0	78.0	78.0
10 ppm	50	46/50	46/50	46/50	46/50	46/50	44/50	42/50	41/50	41/50	41/50	41/50	41/50	40/50	40/50
		92.0	92.0	92.0	92.0	92.0	88.0	84.0	82.0	82.0	82.0	82.0	82.0	80.0	80.0
25 ppm	50	42/50	42/50	42/50	42/50	42/50	41/50	40/50	40/50	40/50	40/50	40/50	40/50	39/50	39/50
		84.0	84.0	84.0	84.0	84.0	82.0	80.0	80.0	80.0	80.0	80.0	80.0	78.0	78.0

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	37/50	36/50	35/50	35/50	32/50
		76.0	74.0	74.0	72.0	70.0	70.0	64.0
4 ppm	50	39/50	38/50	38/50	37/50	37/50	35/50	34/50
		78.0	76.0	76.0	74.0	74.0	70.0	68.0
10 ppm	50	40/50	38/50	37/50	36/50	35/50	35/50	35/50
		80.0	76.0	74.0	72.0	70.0	70.0	70.0
25 ppm	50	39/50	39/50	39/50	39/50	39/50	37/50	36/50
		78.0	78.0	78.0	78.0	78.0	74.0	72.0

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

TABLE B2

SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0918 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
4 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
10 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
25 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. : 0918 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
4 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
10 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
25 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. : 0918 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
4 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
10 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
25 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. : 0918 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	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
4 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
10 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
25 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. : 0918 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	50/50	50/50	50/50	50/50	50/50	50/50	50/50	49/50	49/50	49/50	49/50	48/50	47/50	47/50
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	98.0	98.0	98.0	98.0	96.0	94.0	94.0
4 ppm	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	49/50	49/50
		100.0	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
10 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
25 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. : 0918 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	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50
		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
4 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	48/50
		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	96.0
10 ppm	50	49/50	49/50	49/50	48/50	48/50	47/50	47/50	47/50	47/50	46/50	46/50	46/50	46/50	46/50
		98.0	98.0	98.0	96.0	96.0	94.0	94.0	94.0	94.0	92.0	92.0	92.0	92.0	92.0
25 ppm	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	49/50	49/50
		100.0	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

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

STUDY NO. : 0918 SURVIVAL ANIMAL NUMBERS
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
REPORT TYPE : A1 104
SEX : FEMALE

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	46/50	46/50	46/50	46/50	46/50	46/50	45/50	45/50	45/50	45/50	44/50	44/50	44/50
		92.0	92.0	92.0	92.0	92.0	92.0	92.0	90.0	90.0	90.0	90.0	88.0	88.0	88.0
4 ppm	50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50	47/50
		94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
10 ppm	50	46/50	46/50	46/50	46/50	46/50	45/50	44/50	44/50	44/50	42/50	42/50	42/50	42/50	42/50
		92.0	92.0	92.0	92.0	92.0	90.0	88.0	88.0	88.0	84.0	84.0	84.0	84.0	84.0
25 ppm	50	49/50	49/50	49/50	49/50	49/50	49/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50	48/50
		98.0	98.0	98.0	98.0	98.0	98.0	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(%)

Group Name	Animals At start	Administration (Weeks) 98	99	100	101	102	103	104
Control	50	44/50	44/50	44/50	43/50	41/50	41/50	39/50
		88.0	88.0	88.0	86.0	82.0	82.0	78.0
4 ppm	50	46/50	46/50	45/50	43/50	43/50	43/50	43/50
		92.0	92.0	90.0	86.0	86.0	86.0	86.0
10 ppm	50	42/50	41/50	41/50	41/50	40/50	40/50	39/50
		84.0	82.0	82.0	82.0	80.0	80.0	78.0
25 ppm	50	47/50	46/50	45/50	45/50	45/50	45/50	45/50
		94.0	92.0	90.0	90.0	90.0	90.0	90.0

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

TABLE C1

CLINICAL OBSERVATION : 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXCITEMENT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROUGH FUR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXCITEMENT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROUGH FUR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXCITEMENT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROUGH FUR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXCITEMENT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROUGH FUR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	1	1	1	1	1	1	1	1	1	1	1	2	2	2
	10 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	2
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	1	1	1	0	0	0	0	0	0	0	0	0	0
EXCITEMENT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROUGH FUR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORIBUND SACRIFICE	Control	0	0	0	0	1	1	1	1	1	1	1	1	1	2
	4 ppm	2	2	2	2	3	3	3	3	3	3	3	3	3	5
	10 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	3
	25 ppm	2	2	2	2	3	4	4	5	5	6	6	6	6	8
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXCITEMENT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	0
	25 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	1	1	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROUGH FUR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	1	1	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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	1	1	1	1	1	1	1	1	1	1	2	2	3	3
	4 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	10 ppm	1	1	1	1	1	2	2	2	2	2	2	2	2	2
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
MORIBUND SACRIFICE	Control	2	3	3	3	3	7	7	7	7	8	8	8	8	9
	4 ppm	5	5	5	5	5	7	8	8	9	9	10	10	10	10
	10 ppm	3	3	3	3	5	6	7	7	7	7	7	8	8	8
	25 ppm	8	8	8	8	9	10	10	10	10	10	10	10	10	10
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXCITEMENT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROUGH FUR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	4 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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	3	3	4	4	4	4
	4 ppm	1	1	2	2	2	2
	10 ppm	3	4	4	4	4	4
	25 ppm	1	1	1	1	2	2
MORIBUND SACRIFICE	Control	10	10	10	11	11	14
	4 ppm	11	11	11	11	13	14
	10 ppm	9	9	10	11	11	11
	25 ppm	10	10	10	10	11	12
PARALYTIC GAIT	Control	0	0	0	0	0	0
	4 ppm	0	0	1	1	1	0
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
EXCITEMENT	Control	0	0	0	0	1	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	2	2
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0
	4 ppm	0	1	0	0	0	0
	10 ppm	0	0	1	1	1	1
	25 ppm	0	0	0	0	0	0
ROUGH FUR	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	1	1	1	1	1	2
	25 ppm	0	0	0	0	0	2
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	2	2	2	2
	25 ppm	0	0	0	0	0	0
EYE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0
	4 ppm	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0
	25 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
CATARACT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRIS HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOSE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
CATARACT	Control	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRIS HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOSE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
CATARACT	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRIS HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOSE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
CATARACT	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRIS HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOSE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
CATARACT	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	4 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRIS HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOSE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	4 ppm	0	0	0	0	0	0	0	0	0	0	1	1	2	2
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	1	1	1	1	1	0	0	0
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EAR	Control	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
CATARACT	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	4 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1
IRIS HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOSE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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	2	2	2	4	4	3
	4 ppm	2	2	2	2	2	2	4	4	4	4	4	4	5	5
	10 ppm	0	0	0	0	0	0	0	2	2	2	2	2	2	3
	25 ppm	0	0	1	1	1	1	1	0	0	0	0	1	1	1
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	4 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EAR	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	1	1	1	1	1	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
CATARACT	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	4 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	1	1	1	1	2	2	2	2	2	2	2	2	2	2
IRIS HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOSE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	3	3	4	4	4	3	3	3	3	4	4	5	5	5
	4 ppm	5	4	5	5	7	6	6	6	7	7	8	8	7	7
	10 ppm	2	2	2	2	1	1	1	1	2	3	3	3	3	3
	25 ppm	2	2	2	1	1	1	1	1	1	1	1	1	1	1
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	10 ppm	0	0	0	0	0	2	2	2	2	2	2	2	2	2
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EYE	Control	1	1	1	1	1	0	0	0	0	0	0	0	0	0
	4 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	1	1	1	0	0	0	0	0	0	0	0	0	0	0
M.EAR	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
CATARACT	Control	1	1	1	1	1	1
	4 ppm	1	1	1	1	1	0
	10 ppm	0	0	0	0	0	0
	25 ppm	2	2	2	2	2	2
IRIS HEMORRHAGE	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	1
NOSE HEMORRHAGIC DISCHA	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
EXTERNAL MASS	Control	5	5	7	7	7	5
	4 ppm	7	7	7	7	5	5
	10 ppm	3	2	3	3	4	4
	25 ppm	1	1	1	1	1	1
INTERNAL MASS	Control	0	0	0	0	0	0
	4 ppm	0	0	0	1	1	0
	10 ppm	1	0	0	0	0	1
	25 ppm	0	0	0	0	0	1
M.EYE	Control	0	0	0	0	0	0
	4 ppm	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
M.PERI-MOUTH	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
M.EAR	Control	1	1	1	1	1	1
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0
	4 ppm	1	1	1	1	0	0
	10 ppm	0	0	0	0	0	0
	25 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.HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.SCROTUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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.HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.SCROTUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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.HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.SCROTUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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.HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.SCROTUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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.HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	1	1	2	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	1	1	1	1	1	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.SCROTUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	10 ppm	0	0	0	0	0	0	0	1	1	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	2	2	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.HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NECK	Control	0	0	0	1	1	1	1	1	1	1	1	1	1	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	1	1	1	1	1	1	2	2	2	2	2	2	2	2
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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	1	1	1
	4 ppm	0	0	0	0	0	0	1	1	1	1	1	1	2	2
	10 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
M.SCROTUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	1	0	0	0	0	0	0	0	2	2	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	0
	25 ppm	0	0	0	1	0	0	0	1	1	1	1	2	2	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.HEAD	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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	1	1	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	1	1	1	1	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	0	0	1	1	1	1	1	1	1	1	1	1	1	1
	4 ppm	0	0	1	1	1	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	25 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	1	1	1	1	1
	4 ppm	2	1	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	2	2	2	2	3	3	3	3	3	3	3	3	3	3
	10 ppm	1	1	1	1	1	1	1	1	2	2	2	2	3	3
	25 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
	4 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	2
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	1	1	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
M.SCROTUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ANEMIA	Control	0	1	2	2	2	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	1	1	1	0	0	0	0	1	3	3	3
	10 ppm	0	0	1	1	0	0	0	0	0	2	2	1	2	2
	25 ppm	0	2	2	2	1	0	0	1	1	1	1	0	0	1

Clinical sign	Group Name	Administration Week-day 99-7	100-7	101-7	102-7	103-7	104-7
M.HEAD	Control	1	1	1	1	1	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
M.NECK	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
M.BREAST	Control	1	1	2	2	3	2
	4 ppm	0	0	0	0	0	0
	10 ppm	1	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
M.ABDOMEN	Control	1	1	2	2	1	1
	4 ppm	1	1	1	1	1	1
	10 ppm	0	0	1	1	1	1
	25 ppm	0	0	0	0	0	0
M.ANTERIOR.DORSUM	Control	1	1	1	1	1	1
	4 ppm	3	3	3	3	2	2
	10 ppm	3	2	2	2	3	2
	25 ppm	0	0	0	0	0	0
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0
	4 ppm	2	2	2	2	2	2
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	1	1	1	1	1	1
M.SCROTUM	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	1
	25 ppm	0	0	0	0	0	0
ANEMIA	Control	1	2	1	0	1	0
	4 ppm	3	4	3	3	2	2
	10 ppm	1	1	1	1	1	1
	25 ppm	3	2	4	4	3	3

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
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	10 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	25 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
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	50	50	50	50	49	49	49	49	49	49	49	49	49	49
	4 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	10 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	25 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
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	10 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	25 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50

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
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	10 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	25 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50

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
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	1	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	1	2	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	49	49	49	49	49	49	49	48	48	48	46	46	45	45
	10 ppm	50	50	50	50	50	50	50	49	49	49	49	49	49	49
	25 ppm	50	49	49	49	50	50	49	49	49	49	49	48	48	48

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
JAUNDICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	1	0	0	0	0	1	0	0	0	1	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	0
	25 ppm	0	0	0	0	0	0	0	0	0	1	1	2	2	0
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	49	49	49	47	47	47	47	47	46	46	46	44	44	44
	4 ppm	45	45	45	44	44	44	42	42	42	42	42	41	40	39
	10 ppm	48	48	48	48	48	48	47	45	45	45	44	44	44	43
	25 ppm	48	48	47	46	46	44	44	43	43	42	42	39	39	40

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
JAUNDICE	Control	0	0	0	0	1	0	0	0	0	0	0	0	0	1
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	2	0	0	1	0	0	0	1	3	3
	10 ppm	0	0	1	1	0	0	0	0	0	0	1	0	1	4
	25 ppm	0	2	2	2	1	0	0	0	0	0	0	0	1	1
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	25 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	1	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	44	43	41	41	40	39	39	39	39	37	36	35	34	32
	4 ppm	39	40	39	38	36	35	34	33	32	32	31	30	28	28
	10 ppm	44	44	43	44	43	38	38	38	37	36	35	35	33	33
	25 ppm	39	37	37	38	37	37	37	36	36	36	36	36	35	34

Clinical sign	Group Name	Administration Week-day 99-7	100-7	101-7	102-7	103-7	104-7
JAUNDICE	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	1
	25 ppm	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	1	2
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	1
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0
	4 ppm	2	4	3	4	2	1
	10 ppm	2	2	1	1	1	2
	25 ppm	1	2	2	2	3	3
DEEP BREATHING	Control	0	0	1	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	1	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
ABNORMAL RESPIRA.SOUND	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	1	1	1
	25 ppm	0	0	0	0	0	0
NON REMARKABLE	Control	31	30	28	28	26	25
	4 ppm	28	27	27	27	26	26
	10 ppm	33	32	31	30	29	28
	25 ppm	34	33	32	32	30	30

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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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	1
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
CORNEAL EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	25 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CORNEAL EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	1	1	1	2	2	2	2	2	2	2	2	3	3	3
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	1	1	1	1	1	1	1	1	1	1	1	1	2	2
	25 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CORNEAL EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	3	3	3	3	3	4	4	4	4	4	4	4	4	4
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	25 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CORNEAL EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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	0	0	0	0	0	0	0	0	0	0	1	2	2	2
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	4 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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	1	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	25 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CORNEAL EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	10 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MORIBUND SACRIFICE	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	4 ppm	1	1	1	1	1	1	1	1	1	1	1	1	2	2
	10 ppm	1	1	2	2	3	3	3	3	3	3	3	3	3	3
	25 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	1	2	1	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	25 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CORNEAL EDEMA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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	2	2	2	2	2	3	3	3	3	3	3	3	3
	4 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	10 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	25 ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1
MORIBUND SACRIFICE	Control	2	2	2	2	2	2	2	2	2	2	3	3	3	3
	4 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	10 ppm	3	3	3	3	4	5	5	5	7	7	7	7	7	7
	25 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	2
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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	1	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CATARACT	Control	4	4	4	4	4	4	4	4	4	4	3	3	3	3
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	25 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CORNEAL EDEMA	Control	0	0	0	0	1	1	2	2	2	2	2	2	2	2
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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	3	3	4	4	4	5
	4 ppm	2	2	3	3	3	3
	10 ppm	1	1	1	1	1	1
	25 ppm	1	1	1	1	1	1
MORIBUND SACRIFICE	Control	3	3	3	5	5	6
	4 ppm	2	3	4	4	4	4
	10 ppm	8	8	8	9	9	10
	25 ppm	3	4	4	4	4	4
LOCOMOTOR MOVEMENT DECR	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	1	0	0	0
	25 ppm	0	0	0	0	0	0
SOILED	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
FROG BELLY	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	1	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	1
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
CATARACT	Control	3	3	3	3	3	3
	4 ppm	0	0	0	0	0	0
	10 ppm	2	2	2	2	2	2
	25 ppm	1	1	1	1	1	1
CORNEAL EDEMA	Control	2	2	2	2	2	1
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	1	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	1	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	1	1	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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	1	1	1	1	1	1	1
	4 ppm	1	1	1	1	1	1	1	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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	1	1	1	1	1	1	1
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	1	1	1	1	1	1	1	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	1	1	1	1	1	1	1	1	1	1	2	2	2	2
	4 ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	1	1	1	2	2	2	2	2	2	2	2	2	2	3
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	1	1	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NOSE	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	25 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	1	1	1	1
	4 ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	3	3	3	3	2	2	2	2	2	2	2	2	2	2
	4 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	2
	10 ppm	3	3	3	3	3	2	2	3	3	3	3	3	3	3
	25 ppm	0	1	1	1	2	3	3	4	4	4	4	4	4	4
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.NOSE	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EYE	Control	1	1	1	1	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	1	1	1	1	1	1	1	1	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	1	1	1	1	1	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.BREAST	Control	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	4 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	1	1	1	1	1	1	1	2	1	1	1	1	1	1
	25 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
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
EXTERNAL MASS	Control	2	2	2	2	2	2
	4 ppm	2	2	3	3	3	3
	10 ppm	3	4	4	4	4	4
	25 ppm	4	4	4	4	4	4
INTERNAL MASS	Control	1	1	0	0	1	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	1	1	1	1
M.NOSE	Control	1	1	1	1	1	1
	4 ppm	0	0	0	0	0	0
	10 ppm	1	1	1	1	1	1
	25 ppm	0	0	0	0	0	0
M.EYE	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
M.PERI-MOUTH	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
M.EAR	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
M.PERI EAR	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
M.BREAST	Control	1	1	1	1	1	1
	4 ppm	1	1	1	1	1	1
	10 ppm	1	1	1	1	1	1
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	1	0	0	0	0	1	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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	1	1	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	1	1	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	1	0	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	1	1	1	1	1	1	1	1	1	1	1	1	1
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	25 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	1
ANEMIA	Control	0	0	0	0	1	1	1	1	1	1	0	0	0	0
	4 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	1
	10 ppm	0	0	0	0	1	1	1	1	0	0	0	0	0	0
	25 ppm	0	0	0	0	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
	4 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
HEMORRHAGE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
VAGINAL PROLAPSE	Control	0	0	0	0	0	0	0	1	1	1	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	2	1

Clinical sign	Group Name	Administration Week-day 99-7	100-7	101-7	102-7	103-7	104-7
M.ABDOMEN	Control	0	0	0	0	0	0
	4 ppm	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0
	25 ppm	1	1	1	1	1	1
M.ANTERIOR.DORSUM	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	1	1	1	1	1	1
	25 ppm	1	1	1	1	1	1
M.POSTERIOR DORSUM	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	1	1	1	1	1	1
M.GENITALIA	Control	0	0	0	0	0	0
	4 ppm	0	0	1	1	1	2
	10 ppm	0	1	1	1	1	1
	25 ppm	1	1	1	1	1	1
ANEMIA	Control	0	1	2	1	1	0
	4 ppm	1	1	0	0	0	0
	10 ppm	0	0	0	0	1	1
	25 ppm	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0
	4 ppm	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0
	25 ppm	1	1	1	1	1	1
HEMORRHAGE	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
VAGINAL PROLAPSE	Control	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	1	0	0	0
	4 ppm	0	0	0	0	0	0
	10 ppm	0	0	0	0	1	0
	25 ppm	1	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
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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	49
	4 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	10 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	25 ppm	50	50	50	50	50	50	50	50	50	50	50	49	49	49

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
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 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
	4 ppm	50	50	50	50	50	50	50	50	50	50	50	50	50	50
	10 ppm	50	50	50	50	49	49	49	49	49	49	49	49	49	49
	25 ppm	49	49	49	49	49	49	49	49	49	49	49	49	49	49

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
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	49	49	49	48	48	48	48	48	48	48	48	47	47	47
	4 ppm	50	49	49	49	49	49	49	49	49	49	49	49	49	49
	10 ppm	49	49	49	49	49	49	49	49	49	49	49	49	48	48
	25 ppm	49	49	49	49	49	49	49	49	49	49	49	49	49	49

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
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	47	47	47	47	47	46	46	46	46	46	46	46	46	46
	4 ppm	49	49	48	48	49	49	49	49	49	49	49	49	49	49
	10 ppm	48	48	48	48	48	48	48	48	48	48	48	48	48	48
	25 ppm	49	49	49	49	49	49	49	49	49	49	49	49	49	49

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
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	46	46	46	46	46	45	45	44	44	44	42	42	42	42
	4 ppm	49	49	49	49	49	49	49	48	48	48	48	48	48	48
	10 ppm	48	48	48	48	48	48	47	47	47	47	47	47	47	47
	25 ppm	49	49	49	49	49	49	49	49	49	49	49	49	49	49

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
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	42	42	42	42	42	42	42	42	42	42	41	40	40	40
	4 ppm	48	48	48	47	47	47	47	47	47	47	46	45	45	45
	10 ppm	46	46	45	44	43	43	43	43	42	42	42	42	42	41
	25 ppm	49	49	49	49	49	49	48	47	47	47	47	47	47	47

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
DEEP BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	4 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	39	39	39	39	39	39	37	37	37	37	36	36	36	36
	4 ppm	45	45	45	45	45	44	45	45	45	45	45	45	45	42
	10 ppm	41	41	41	41	40	39	39	38	37	37	37	37	37	36
	25 ppm	47	46	46	46	44	43	43	42	42	42	42	42	40	40

Clinical sign	Group Name	Administration Week-day 99-7	100-7	101-7	102-7	103-7	104-7
DEEP BREATHING	Control	0	0	0	0	0	0
	4 ppm	1	1	0	0	0	0
	10 ppm	0	0	0	0	0	0
	25 ppm	0	0	0	0	0	0
NON REMARKABLE	Control	36	35	35	34	34	33
	4 ppm	42	41	39	39	39	39
	10 ppm	36	35	34	34	33	33
	25 ppm	39	39	39	39	39	39

TABLE D1

BODY WEIGHT CHANGES AND

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

MEAN BODY WEIGHTS AND SURVIVAL

Week-Day on Study	Control Av.Wt.	Control No.of Surviv. <50>	4 ppm Av.Wt.	4 ppm % of cont. <50>	4 ppm No.of Surviv.	10 ppm Av.Wt.	10 ppm % of cont. <50>	10 ppm No.of Surviv.	25 ppm Av.Wt.	25 ppm % of cont. <50>	25 ppm No.of Surviv.
0-0	115 (50)	50/50	115 (50)	100	50/50	115 (50)	100	50/50	115 (50)	100	50/50
1-7	145 (50)	50/50	140 (50)	97	50/50	134 (50)	92	50/50	123 (50)	85	50/50
2-7	173 (50)	50/50	167 (50)	97	50/50	161 (50)	93	50/50	151 (50)	87	50/50
3-7	197 (50)	50/50	192 (50)	97	50/50	186 (50)	94	50/50	175 (50)	89	50/50
4-7	216 (50)	50/50	211 (50)	98	50/50	205 (50)	95	50/50	193 (50)	89	50/50
5-7	231 (50)	50/50	228 (50)	99	50/50	223 (50)	97	50/50	210 (50)	91	50/50
6-7	244 (50)	50/50	241 (50)	99	50/50	237 (50)	97	50/50	223 (50)	91	50/50
7-7	256 (50)	50/50	253 (50)	99	50/50	249 (50)	97	50/50	233 (50)	91	50/50
8-7	267 (50)	50/50	264 (50)	99	50/50	260 (50)	97	50/50	245 (50)	92	50/50
9-7	276 (50)	50/50	273 (50)	99	50/50	270 (50)	98	50/50	256 (50)	93	50/50
10-7	283 (50)	50/50	280 (50)	99	50/50	277 (50)	98	50/50	260 (50)	92	50/50
11-7	289 (50)	50/50	287 (50)	99	50/50	286 (50)	99	50/50	269 (50)	93	50/50
12-7	295 (50)	50/50	293 (50)	99	50/50	292 (50)	99	50/50	276 (50)	94	50/50
13-7	302 (50)	50/50	300 (50)	99	50/50	300 (50)	99	50/50	284 (50)	94	50/50
14-7	305 (50)	50/50	303 (50)	99	50/50	304 (50)	100	50/50	288 (50)	94	50/50
18-7	319 (50)	50/50	316 (50)	99	50/50	319 (50)	100	50/50	302 (50)	95	50/50
22-7	333 (50)	50/50	330 (50)	99	50/50	333 (50)	100	50/50	316 (50)	95	50/50
26-7	343 (50)	50/50	342 (50)	100	50/50	344 (50)	100	50/50	326 (50)	95	50/50
30-7	354 (50)	50/50	352 (50)	99	50/50	354 (50)	100	50/50	337 (50)	95	50/50
34-7	362 (50)	50/50	361 (50)	100	50/50	364 (50)	101	50/50	348 (50)	96	50/50
38-7	368 (50)	50/50	369 (50)	100	50/50	372 (50)	101	50/50	355 (50)	96	50/50
42-7	377 (50)	50/50	375 (50)	99	50/50	379 (50)	101	50/50	360 (50)	95	50/50
46-7	384 (50)	50/50	380 (50)	99	50/50	384 (50)	100	50/50	364 (50)	95	50/50
50-7	389 (50)	50/50	384 (50)	99	50/50	388 (50)	100	50/50	370 (50)	95	50/50
54-7	392 (50)	50/50	388 (50)	99	50/50	393 (50)	100	50/50	372 (50)	95	50/50
58-7	392 (50)	50/50	388 (49)	99	49/50	394 (50)	101	50/50	372 (50)	95	50/50
62-7	397 (50)	50/50	392 (49)	99	49/50	397 (50)	100	50/50	373 (50)	94	50/50
66-7	400 (50)	50/50	394 (49)	99	49/50	399 (49)	100	49/50	375 (50)	94	50/50
70-7	400 (50)	50/50	396 (48)	99	48/50	400 (49)	100	49/50	377 (48)	94	48/50
74-7	401 (50)	50/50	396 (48)	99	48/50	401 (48)	100	48/50	375 (48)	94	48/50
78-7	403 (49)	49/50	397 (47)	99	47/50	399 (48)	99	48/50	376 (45)	93	45/50
82-7	402 (48)	48/50	395 (47)	98	47/50	394 (48)	98	48/50	369 (44)	92	44/50
86-7	399 (46)	46/50	392 (45)	98	45/50	394 (46)	99	46/50	367 (42)	92	42/50
90-7	400 (42)	42/50	386 (43)	97	43/50	388 (42)	97	42/50	363 (40)	91	40/50
94-7	398 (41)	41/50	385 (40)	97	40/50	384 (41)	96	41/50	358 (40)	90	40/50
98-7	396 (38)	38/50	381 (39)	96	39/50	378 (40)	95	40/50	354 (39)	89	39/50
102-7	396 (35)	35/50	376 (37)	95	37/50	377 (35)	95	35/50	345 (39)	87	39/50
104-7	389 (32)	32/50	371 (34)	95	34/50	370 (35)	95	35/50	345 (36)	89	36/50

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

TABLE D2

BODY WEIGHT CHANGES AND

SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

MEAN BODY WEIGHTS AND SURVIVAL

Week-Day on Study	Control Av.Wt.	Control No.of Surviv. <50>	4 ppm Av.Wt.	4 ppm % of cont. <50>	4 ppm No.of Surviv.	10 ppm Av.Wt.	10 ppm % of cont. <50>	10 ppm No.of Surviv.	25 ppm Av.Wt.	25 ppm % of cont. <50>	25 ppm No.of Surviv.
0-0	93 (50)	50/50	93 (50)	100	50/50	93 (50)	100	50/50	93 (50)	100	50/50
1-7	107 (50)	50/50	104 (50)	97	50/50	102 (50)	95	50/50	96 (50)	90	50/50
2-7	119 (50)	50/50	116 (50)	97	50/50	115 (50)	97	50/50	111 (50)	93	50/50
3-7	129 (50)	50/50	126 (50)	98	50/50	124 (50)	96	50/50	121 (50)	94	50/50
4-7	138 (50)	50/50	133 (50)	96	50/50	133 (50)	96	50/50	128 (50)	93	50/50
5-7	144 (50)	50/50	140 (50)	97	50/50	141 (50)	98	50/50	135 (50)	94	50/50
6-7	149 (50)	50/50	144 (50)	97	50/50	146 (50)	98	50/50	140 (50)	94	50/50
7-7	154 (50)	50/50	149 (50)	97	50/50	149 (50)	97	50/50	144 (50)	94	50/50
8-7	157 (50)	50/50	151 (50)	96	50/50	153 (50)	97	50/50	147 (50)	94	50/50
9-7	161 (50)	50/50	155 (50)	96	50/50	159 (50)	99	50/50	152 (50)	94	50/50
10-7	163 (50)	50/50	158 (50)	97	50/50	160 (50)	98	50/50	152 (50)	93	50/50
11-7	167 (50)	50/50	162 (50)	97	50/50	164 (50)	98	50/50	156 (50)	93	50/50
12-7	168 (50)	50/50	163 (50)	97	50/50	165 (50)	98	50/50	159 (50)	95	50/50
13-7	171 (50)	50/50	166 (50)	97	50/50	168 (50)	98	50/50	163 (50)	95	50/50
14-7	171 (50)	50/50	167 (50)	98	50/50	171 (50)	100	50/50	164 (50)	96	50/50
18-7	177 (50)	50/50	174 (50)	98	50/50	178 (50)	101	50/50	169 (50)	95	50/50
22-7	182 (50)	50/50	179 (50)	98	50/50	182 (50)	100	50/50	174 (50)	96	50/50
26-7	186 (50)	50/50	183 (50)	98	50/50	187 (50)	101	50/50	178 (50)	96	50/50
30-7	192 (50)	50/50	191 (50)	99	50/50	192 (50)	100	50/50	184 (50)	96	50/50
34-7	197 (50)	50/50	196 (50)	99	50/50	196 (50)	99	50/50	189 (50)	96	50/50
38-7	201 (50)	50/50	201 (50)	100	50/50	202 (50)	100	50/50	191 (50)	95	50/50
42-7	204 (50)	50/50	203 (50)	100	50/50	204 (50)	100	50/50	193 (50)	95	50/50
46-7	207 (50)	50/50	207 (50)	100	50/50	209 (50)	101	50/50	197 (50)	95	50/50
50-7	211 (50)	50/50	210 (50)	100	50/50	211 (50)	100	50/50	201 (50)	95	50/50
54-7	214 (50)	50/50	212 (50)	99	50/50	214 (50)	100	50/50	205 (50)	96	50/50
58-7	215 (50)	50/50	215 (50)	100	50/50	216 (50)	100	50/50	204 (50)	95	50/50
62-7	216 (50)	50/50	219 (50)	101	50/50	219 (50)	101	50/50	205 (50)	95	50/50
66-7	221 (49)	49/50	220 (49)	100	49/50	222 (50)	100	50/50	209 (50)	95	50/50
70-7	225 (47)	47/50	223 (49)	99	49/50	228 (49)	101	49/50	212 (50)	94	50/50
74-7	229 (47)	47/50	225 (49)	98	49/50	231 (48)	101	48/50	216 (50)	94	50/50
78-7	232 (47)	47/50	229 (49)	99	49/50	232 (47)	100	47/50	218 (49)	94	49/50
82-7	235 (47)	47/50	232 (49)	99	49/50	236 (46)	100	46/50	220 (49)	94	49/50
86-7	239 (46)	46/50	235 (47)	98	47/50	238 (46)	100	46/50	223 (49)	93	49/50
90-7	241 (46)	46/50	239 (47)	99	47/50	238 (44)	99	44/50	223 (48)	93	48/50
94-7	245 (45)	45/50	242 (47)	99	47/50	241 (42)	98	42/50	225 (48)	92	48/50
98-7	249 (44)	44/50	245 (46)	98	46/50	245 (42)	98	42/50	227 (47)	91	47/50
102-7	254 (41)	41/50	247 (43)	97	43/50	247 (40)	97	40/50	230 (45)	91	45/50
104-7	254 (39)	39/50	246 (43)	97	43/50	247 (39)	97	39/50	228 (45)	90	45/50

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

TABLE D3

BODY WEIGHT CHANGES : MALE

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 0-0	1-7	2-7	3-7	4-7	5-7	6-7
Control	115± 6	145± 9	173± 10	197± 11	216± 12	231± 13	244± 13
4 ppm	115± 6	140± 9**	167± 12*	192± 13	211± 14	228± 14	241± 14
10 ppm	115± 6	134± 7**	161± 10**	186± 10**	205± 11**	223± 11**	237± 11*
25 ppm	115± 6	123± 6**	151± 9**	175± 11**	193± 12**	210± 13**	223± 13**

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

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 7-7	8-7	9-7	10-7	11-7	12-7	13-7
Control	256± 14	267± 15	276± 15	283± 15	289± 15	295± 16	302± 16
4 ppm	253± 15	264± 16	273± 16	280± 16	287± 17	293± 17	300± 16
10 ppm	249± 11*	260± 13*	270± 13	277± 13	286± 13	292± 14	300± 14
25 ppm	233± 14**	245± 14**	256± 15**	260± 15**	269± 15**	276± 16**	284± 16**

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

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 14-7	18-7	22-7	26-7	30-7	34-7	38-7
Control	305± 17	319± 16	333± 17	343± 18	354± 19	362± 20	368± 22
4 ppm	303± 17	316± 17	330± 17	342± 19	352± 20	361± 21	369± 22
10 ppm	304± 14	319± 15	333± 16	344± 16	354± 17	364± 17	372± 18
25 ppm	288± 16**	302± 16**	316± 17**	326± 17**	337± 18**	348± 18**	355± 19**

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

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 42-7	46-7	50-7	54-7	58-7	62-7	66-7
Control	377± 22	384± 23	389± 24	392± 25	392± 25	397± 24	400± 25
4 ppm	375± 22	380± 22	384± 23	388± 22	388± 22	392± 22	394± 23
10 ppm	379± 18	384± 19	388± 19	393± 18	394± 19	397± 20	399± 20
25 ppm	360± 19**	364± 19**	370± 19**	372± 19**	372± 19**	373± 20**	375± 20**

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

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 70-7	74-7	78-7	82-7	86-7	90-7	94-7
Control	400± 26	401± 27	403± 25	402± 26	399± 28	400± 25	398± 25
4 ppm	396± 23	396± 23	397± 23	395± 23	392± 24	386± 30*	385± 27*
10 ppm	400± 20	401± 21	399± 23	394± 27	394± 20	388± 22	384± 22*
25 ppm	377± 21**	375± 24**	376± 21**	369± 22**	367± 20**	363± 21**	358± 22**

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

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 98-7		102-7		104-7	
Control	396 ±	28	396 ±	32	389 ±	26
4 ppm	381 ±	31	376 ±	34*	371 ±	37
10 ppm	378 ±	25*	377 ±	25*	370 ±	28*
25 ppm	354 ±	29**	345 ±	33**	345 ±	32**

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

TABLE D4

BODY WEIGHT CHANGES : FEMALE

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 0-0		1-7		2-7		3-7		4-7		5-7		6-7	
Control	93±	4	107±	5	119±	5	129±	6	138±	6	144±	7	149±	8
4 ppm	93±	4	104±	5**	116±	5**	126±	6**	133±	7**	140±	7**	144±	8**
10 ppm	93±	4	102±	5**	115±	5**	124±	5**	133±	6**	141±	6*	146±	7
25 ppm	93±	4	96±	5**	111±	5**	121±	6**	128±	6**	135±	6**	140±	7**

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

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 7-7	8-7	9-7	10-7	11-7	12-7	13-7
Control	154± 9	157± 9	161± 9	163± 9	167± 10	168± 10	171± 10
4 ppm	149± 8**	151± 8**	155± 9**	158± 9**	162± 10*	163± 10*	166± 10*
10 ppm	149± 8*	153± 8*	159± 8	160± 8	164± 9	165± 8	168± 9
25 ppm	144± 7**	147± 8**	152± 8**	152± 8**	156± 8**	159± 9**	163± 9**

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

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 14-7	18-7	22-7	26-7	30-7	34-7	38-7
Control	171± 9	177± 10	182± 11	186± 10	192± 12	197± 13	201± 14
4 ppm	167± 10	174± 10	179± 10	183± 10	191± 12	196± 12	201± 11
10 ppm	171± 10	178± 11	182± 11	187± 11	192± 12	196± 12	202± 13
25 ppm	164± 9**	169± 9**	174± 9**	178± 9**	184± 9**	189± 11**	191± 11**

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

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 42-7	46-7	50-7	54-7	58-7	62-7	66-7
Control	204± 13	207± 14	211± 14	214± 15	215± 15	216± 17	221± 17
4 ppm	203± 12	207± 12	210± 13	212± 14	215± 16	219± 21	220± 14
10 ppm	204± 14	209± 13	211± 14	214± 14	216± 13	219± 13	222± 13
25 ppm	193± 12**	197± 11**	201± 13**	205± 12**	204± 11**	205± 12**	209± 14**

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

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 70-7	74-7	78-7	82-7	86-7	90-7	94-7
Control	225± 17	229± 18	232± 17	235± 16	239± 18	241± 19	245± 21
4 ppm	223± 15	225± 15	229± 15	232± 16	235± 16	239± 16	242± 17
10 ppm	228± 14	231± 14	232± 15	236± 15	238± 15	238± 14	241± 14
25 ppm	212± 13**	216± 14**	218± 14**	220± 13**	223± 14**	223± 13**	225± 13**

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

Group Name	Administration week-day 98-7		102-7		104-7	
Control	249±	23	254±	24	254±	26
4 ppm	245±	16	247±	17	246±	19
10 ppm	245±	18	247±	17	247±	18
25 ppm	227±	19**	230±	13**	228±	14**

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

TABLE E1

FOOD CONSUMPTION CHANGES AND

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0918
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>	4 ppm Av.FC.	4 ppm % of cont. <50>	4 ppm No.of Surviv.	10 ppm Av.FC.	10 ppm % of cont. <50>	10 ppm No.of Surviv.	25 ppm Av.FC.	25 ppm % of cont. <50>	25 ppm No.of Surviv.
1-7	15.3 (50)	50/50	14.3 (50)	93	50/50	12.9 (50)	84	50/50	10.4 (50)	68	50/50
2-7	17.5 (50)	50/50	17.0 (50)	97	50/50	16.0 (50)	91	50/50	15.2 (50)	87	50/50
3-7	18.2 (50)	50/50	17.7 (50)	97	50/50	17.4 (50)	96	50/50	16.2 (50)	89	50/50
4-7	18.2 (50)	50/50	18.1 (50)	99	50/50	17.9 (50)	98	50/50	16.7 (50)	92	50/50
5-7	17.9 (50)	50/50	18.1 (50)	101	50/50	18.0 (50)	101	50/50	16.9 (50)	94	50/50
6-7	17.4 (50)	50/50	17.6 (50)	101	50/50	17.8 (50)	102	50/50	16.9 (50)	97	50/50
7-7	17.2 (50)	50/50	17.3 (50)	101	50/50	17.4 (50)	101	50/50	16.0 (50)	93	50/50
8-7	17.1 (50)	50/50	17.1 (50)	100	50/50	17.2 (50)	101	50/50	16.8 (50)	98	50/50
9-7	17.7 (50)	50/50	17.6 (50)	99	50/50	17.7 (50)	100	50/50	16.6 (50)	94	50/50
10-7	17.2 (50)	50/50	17.1 (50)	99	50/50	16.9 (50)	98	50/50	15.9 (50)	92	50/50
11-7	17.2 (50)	50/50	17.3 (50)	101	50/50	17.5 (50)	102	50/50	17.0 (50)	99	50/50
12-7	17.0 (50)	50/50	17.0 (50)	100	50/50	17.1 (50)	101	50/50	16.4 (50)	96	50/50
13-7	16.9 (50)	50/50	17.1 (50)	101	50/50	17.4 (50)	103	50/50	16.6 (50)	98	50/50
14-7	16.4 (50)	50/50	16.5 (50)	101	50/50	16.7 (50)	102	50/50	15.9 (50)	97	50/50
18-7	16.5 (50)	50/50	16.7 (50)	101	50/50	17.0 (50)	103	50/50	16.2 (50)	98	50/50
22-7	17.2 (50)	50/50	17.2 (50)	100	50/50	17.5 (50)	102	50/50	16.9 (50)	98	50/50
26-7	17.1 (50)	50/50	17.0 (50)	99	50/50	17.1 (50)	100	50/50	16.4 (50)	96	50/50
30-7	17.2 (50)	50/50	17.7 (50)	103	50/50	18.2 (50)	106	50/50	17.3 (50)	101	50/50
34-7	17.6 (50)	50/50	17.9 (50)	102	50/50	18.2 (50)	103	50/50	17.7 (50)	101	50/50
38-7	17.5 (50)	50/50	17.9 (50)	102	50/50	18.2 (50)	104	50/50	17.8 (50)	102	50/50
42-7	17.6 (50)	50/50	17.7 (50)	101	50/50	18.2 (50)	103	50/50	17.6 (50)	100	50/50
46-7	17.6 (50)	50/50	17.8 (50)	101	50/50	18.2 (50)	103	50/50	17.6 (50)	100	50/50
50-7	17.3 (50)	50/50	17.4 (50)	101	50/50	18.0 (50)	104	50/50	17.8 (50)	103	50/50
54-7	17.7 (50)	50/50	17.9 (50)	101	50/50	18.4 (50)	104	50/50	17.9 (50)	101	50/50
58-7	17.4 (50)	50/50	17.3 (49)	99	49/50	18.1 (50)	104	50/50	17.4 (50)	100	50/50
62-7	17.8 (50)	50/50	17.5 (49)	98	49/50	17.9 (50)	101	50/50	17.3 (50)	97	50/50
66-7	17.7 (50)	50/50	17.7 (49)	100	49/50	18.4 (49)	104	49/50	17.8 (50)	101	50/50
70-7	17.2 (50)	50/50	17.3 (48)	101	48/50	17.8 (49)	103	49/50	17.3 (48)	101	48/50
74-7	16.8 (50)	50/50	16.8 (48)	100	48/50	17.3 (48)	103	48/50	16.6 (48)	99	48/50
78-7	17.1 (49)	49/50	17.0 (47)	99	47/50	17.5 (48)	102	48/50	17.1 (45)	100	45/50
82-7	16.9 (48)	48/50	16.8 (47)	99	47/50	17.1 (48)	101	48/50	16.1 (44)	95	44/50
86-7	16.8 (46)	46/50	16.6 (45)	99	45/50	17.1 (46)	102	46/50	16.4 (42)	98	42/50
90-7	16.6 (42)	42/50	16.1 (43)	97	43/50	16.7 (42)	101	42/50	16.1 (40)	97	40/50
94-7	16.6 (41)	41/50	16.7 (40)	101	40/50	16.8 (41)	101	41/50	16.3 (40)	98	40/50
98-7	16.7 (38)	38/50	16.5 (39)	99	39/50	16.4 (40)	98	40/50	16.3 (39)	98	39/50
102-7	17.1 (35)	35/50	16.7 (37)	98	37/50	17.2 (35)	101	35/50	16.2 (39)	95	39/50
104-7	17.5 (32)	32/50	17.2 (34)	98	34/50	17.3 (35)	99	35/50	17.4 (36)	99	36/50

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

TABLE E2

FOOD CONSUMPTION CHANGES AND

SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0918 MEAN FOOD CONSUMPTION(FC) AND SURVIVAL
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

Week-Day on Study	Control Av.FC.	Control No.of Surviv. <50>	4 ppm Av.FC.	4 ppm % of cont. <50>	4 ppm No.of Surviv.	10 ppm Av.FC.	10 ppm % of cont. <50>	10 ppm No.of Surviv.	25 ppm Av.FC.	25 ppm % of cont. <50>	25 ppm No.of Surviv.
1-7	12.0 (50)	50/50	11.4 (50)	95	50/50	10.3 (50)	86	50/50	8.6 (50)	72	50/50
2-7	12.8 (50)	50/50	12.7 (50)	99	50/50	12.1 (50)	95	50/50	12.0 (50)	94	50/50
3-7	13.0 (50)	50/50	12.7 (50)	98	50/50	12.6 (50)	97	50/50	11.9 (50)	92	50/50
4-7	13.0 (50)	50/50	13.0 (50)	100	50/50	12.8 (49)	98	50/50	12.1 (48)	93	50/50
5-7	13.0 (50)	50/50	12.6 (50)	97	50/50	12.9 (50)	99	50/50	11.8 (49)	91	50/50
6-7	12.3 (50)	50/50	12.1 (50)	98	50/50	12.5 (50)	102	50/50	12.0 (50)	98	50/50
7-7	12.4 (50)	50/50	11.7 (50)	94	50/50	11.9 (50)	96	50/50	11.3 (50)	91	50/50
8-7	11.6 (49)	50/50	11.1 (50)	96	50/50	11.8 (50)	102	50/50	11.5 (50)	99	50/50
9-7	11.9 (50)	50/50	11.5 (50)	97	50/50	11.8 (49)	99	50/50	11.1 (50)	93	50/50
10-7	11.5 (49)	50/50	11.1 (50)	97	50/50	11.4 (50)	99	50/50	10.8 (50)	94	50/50
11-7	11.7 (50)	50/50	11.6 (50)	99	50/50	11.9 (49)	102	50/50	11.7 (50)	100	50/50
12-7	11.5 (50)	50/50	11.4 (50)	99	50/50	11.2 (48)	97	50/50	11.2 (49)	97	50/50
13-7	11.5 (50)	50/50	11.4 (50)	99	50/50	11.8 (49)	103	50/50	11.5 (46)	100	50/50
14-7	11.2 (50)	50/50	11.2 (49)	100	50/50	11.4 (48)	102	50/50	11.3 (47)	101	50/50
18-7	11.5 (50)	50/50	11.3 (49)	98	50/50	11.7 (46)	102	50/50	11.2 (47)	97	50/50
22-7	11.8 (50)	50/50	11.9 (50)	101	50/50	12.0 (48)	102	50/50	12.0 (50)	102	50/50
26-7	11.5 (50)	50/50	11.5 (48)	100	50/50	11.7 (47)	102	50/50	11.1 (44)	97	50/50
30-7	12.0 (49)	50/50	12.0 (49)	100	50/50	12.7 (46)	106	50/50	12.4 (47)	103	50/50
34-7	12.1 (49)	50/50	12.8 (46)	106	50/50	12.7 (48)	105	50/50	13.3 (50)	110	50/50
38-7	12.6 (49)	50/50	12.5 (46)	99	50/50	13.2 (47)	105	50/50	12.4 (47)	98	50/50
42-7	12.2 (50)	50/50	12.4 (50)	102	50/50	12.6 (48)	103	50/50	12.4 (49)	102	50/50
46-7	12.6 (50)	50/50	13.5 (49)	107	50/50	12.9 (48)	102	50/50	12.7 (47)	101	50/50
50-7	12.3 (50)	50/50	12.8 (49)	104	50/50	12.9 (50)	105	50/50	12.8 (49)	104	50/50
54-7	12.7 (50)	50/50	12.4 (50)	98	50/50	12.6 (50)	99	50/50	13.4 (50)	106	50/50
58-7	12.2 (50)	50/50	12.8 (50)	105	50/50	12.9 (50)	106	50/50	12.1 (48)	99	50/50
62-7	12.3 (50)	50/50	12.6 (50)	102	50/50	12.7 (50)	103	50/50	12.4 (48)	101	50/50
66-7	12.7 (49)	49/50	12.9 (49)	102	49/50	12.5 (50)	98	50/50	12.8 (49)	101	50/50
70-7	12.6 (47)	47/50	12.5 (49)	99	49/50	13.0 (49)	103	49/50	12.8 (50)	102	50/50
74-7	13.0 (47)	47/50	12.5 (49)	96	49/50	12.8 (48)	98	48/50	12.7 (50)	98	50/50
78-7	12.8 (47)	47/50	12.7 (49)	99	49/50	12.6 (47)	98	47/50	12.8 (49)	100	49/50
82-7	12.4 (47)	47/50	12.3 (49)	99	49/50	12.8 (46)	103	46/50	12.5 (49)	101	49/50
86-7	12.7 (46)	46/50	13.0 (47)	102	47/50	12.6 (46)	99	46/50	12.6 (49)	99	49/50
90-7	12.7 (46)	46/50	12.7 (47)	100	47/50	12.5 (44)	98	44/50	12.2 (48)	96	48/50
94-7	12.7 (45)	45/50	12.9 (47)	102	47/50	13.0 (42)	102	42/50	12.8 (48)	101	48/50
98-7	13.4 (44)	44/50	12.9 (46)	96	46/50	13.5 (42)	101	42/50	13.2 (47)	99	47/50
102-7	13.2 (41)	41/50	13.5 (43)	102	43/50	13.6 (40)	103	40/50	13.3 (45)	101	45/50
104-7	13.0 (39)	39/50	13.3 (43)	102	43/50	13.3 (39)	102	39/50	13.5 (45)	104	45/50

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

TABLE E3

FOOD CONSUMPTION CHANGES : MALE

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 1-7(7)	2-7(7)	3-7(7)	4-7(7)	5-7(7)	6-7(7)	7-7(7)
Control	15.3± 1.1	17.5± 1.3	18.2± 1.3	18.2± 1.1	17.9± 1.1	17.4± 1.0	17.2± 1.1
4 ppm	14.3± 1.2**	17.0± 1.8	17.7± 1.7	18.1± 1.6	18.1± 1.5	17.6± 1.3	17.3± 1.5
10 ppm	12.9± 0.9**	16.0± 1.3**	17.4± 1.4*	17.9± 1.3	18.0± 1.3	17.8± 1.4	17.4± 1.3
25 ppm	10.4± 0.6**	15.2± 1.2**	16.2± 1.4**	16.7± 1.5**	16.9± 1.5**	16.9± 1.5	16.0± 1.4**

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

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 8-7(7)	9-7(7)	10-7(7)	11-7(7)	12-7(7)	13-7(7)	14-7(7)
Control	17.1± 1.2	17.7± 1.2	17.2± 1.2	17.2± 1.1	17.0± 1.1	16.9± 1.1	16.4± 1.0
4 ppm	17.1± 1.3	17.6± 1.4	17.1± 1.3	17.3± 1.4	17.0± 1.4	17.1± 1.2	16.5± 1.1
10 ppm	17.2± 1.3	17.7± 1.2	16.9± 1.1	17.5± 1.4	17.1± 1.2	17.4± 1.2	16.7± 1.1
25 ppm	16.8± 1.4	16.6± 1.4**	15.9± 1.4**	17.0± 1.2	16.4± 1.3	16.6± 1.2	15.9± 1.2*

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

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 18-7(7)	22-7(7)	26-7(7)	30-7(7)	34-7(7)	38-7(7)	42-7(7)
Control	16.5± 1.1	17.2± 1.0	17.1± 1.1	17.2± 1.0	17.6± 1.2	17.5± 1.1	17.6± 1.1
4 ppm	16.7± 1.1	17.2± 1.0	17.0± 1.1	17.7± 1.0	17.9± 1.2	17.9± 1.2	17.7± 1.2
10 ppm	17.0± 1.0	17.5± 1.1	17.1± 1.1	18.2± 1.0**	18.2± 1.0	18.2± 1.1**	18.2± 1.0*
25 ppm	16.2± 1.1	16.9± 1.2	16.4± 1.0**	17.3± 1.2	17.7± 1.2	17.8± 1.1	17.6± 1.1

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

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 46-7(7)	50-7(7)	54-7(7)	58-7(7)	62-7(7)	66-7(7)	70-7(7)
Control	17.6± 1.0	17.3± 1.2	17.7± 1.1	17.4± 1.1	17.8± 1.0	17.7± 1.0	17.2± 1.0
4 ppm	17.8± 1.1	17.4± 1.2	17.9± 1.0	17.3± 1.0	17.5± 1.0	17.7± 1.3	17.3± 1.0
10 ppm	18.2± 1.1*	18.0± 1.2**	18.4± 1.0**	18.1± 1.0**	17.9± 1.1	18.4± 1.0**	17.8± 0.7**
25 ppm	17.6± 1.1	17.8± 1.1	17.9± 1.2	17.4± 1.0	17.3± 1.0	17.8± 1.0	17.3± 0.9

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

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 74-7(7)	78-7(7)	82-7(7)	86-7(7)	90-7(7)	94-7(7)	98-7(7)
Control	16.8± 1.8	17.1± 1.2	16.9± 1.3	16.8± 1.3	16.6± 1.3	16.6± 1.4	16.7± 1.9
4 ppm	16.8± 1.1	17.0± 1.0	16.8± 1.0	16.6± 1.2	16.1± 2.4	16.7± 1.1	16.5± 1.1
10 ppm	17.3± 1.0	17.5± 0.9	17.1± 1.1	17.1± 1.0	16.7± 1.3	16.8± 1.3	16.4± 2.9
25 ppm	16.6± 2.2	17.1± 1.1	16.1± 2.1	16.4± 1.1	16.1± 1.3	16.3± 1.0	16.3± 1.6

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

Group Name	Administration week-day(effective) 102-7(7)	104-7(7)
Control	17.1± 2.0	17.5± 2.5
4 ppm	16.7± 1.7	17.2± 1.7
10 ppm	17.2± 1.3	17.3± 2.5
25 ppm	16.2± 2.2	17.4± 1.5

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

TABLE E4

FOOD CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 1-7(7)	2-7(7)	3-7(7)	4-7(7)	5-7(7)	6-7(7)	7-7(7)
Control	12.0± 1.0	12.8± 1.0	13.0± 1.2	13.0± 1.2	13.0± 1.3	12.3± 1.5	12.4± 1.6
4 ppm	11.4± 0.8**	12.7± 1.0	12.7± 1.3	13.0± 1.4	12.6± 1.2	12.1± 1.2	11.7± 1.2
10 ppm	10.3± 0.8**	12.1± 1.0**	12.6± 0.9	12.8± 1.1	12.9± 1.2	12.5± 1.3	11.9± 1.1
25 ppm	8.6± 0.6**	12.0± 0.8**	11.9± 0.9**	12.1± 0.9**	11.8± 1.2**	12.0± 1.1	11.3± 1.2**

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

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 8-7(7)	9-7(7)	10-7(7)	11-7(7)	12-7(7)	13-7(7)	14-7(7)
Control	11.6± 1.0	11.9± 1.1	11.5± 1.0	11.7± 1.0	11.5± 1.0	11.5± 1.0	11.2± 0.9
4 ppm	11.1± 1.0	11.5± 1.0	11.1± 1.0	11.6± 1.4	11.4± 1.3	11.4± 1.4	11.2± 1.3
10 ppm	11.8± 1.1	11.8± 1.3	11.4± 1.2	11.9± 1.0	11.2± 0.8	11.8± 1.1	11.4± 0.9
25 ppm	11.5± 1.0	11.1± 0.9**	10.8± 0.8**	11.7± 0.8	11.2± 1.0	11.5± 0.9	11.3± 0.9

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

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 18-7(7)	22-7(7)	26-7(7)	30-7(7)	34-7(7)	38-7(7)	42-7(7)
Control	11.5± 1.1	11.8± 1.3	11.5± 0.9	12.0± 1.3	12.1± 1.2	12.6± 1.6	12.2± 1.3
4 ppm	11.3± 1.2	11.9± 1.5	11.5± 1.3	12.0± 1.3	12.8± 1.4	12.5± 1.1	12.4± 1.9
10 ppm	11.7± 1.5	12.0± 1.3	11.7± 1.2	12.7± 1.8	12.7± 1.9	13.2± 2.1	12.6± 1.7
25 ppm	11.2± 0.7	12.0± 1.2	11.1± 1.0	12.4± 1.1	13.3± 2.4	12.4± 1.1	12.4± 1.6

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

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 46-7(7)	50-7(7)	54-7(7)	58-7(7)	62-7(7)	66-7(7)	70-7(7)
Control	12.6± 1.4	12.3± 1.5	12.7± 1.5	12.2± 1.2	12.3± 1.6	12.7± 1.3	12.6± 0.9
4 ppm	13.5± 1.6**	12.8± 1.6	12.4± 1.3	12.8± 1.7	12.6± 1.4	12.9± 1.3	12.5± 1.5
10 ppm	12.9± 2.0	12.9± 1.4	12.6± 1.4	12.9± 1.7	12.7± 1.3	12.5± 1.1	13.0± 1.4
25 ppm	12.7± 1.2	12.8± 1.5	13.4± 1.9	12.1± 1.3	12.4± 1.1	12.8± 1.2	12.8± 1.2

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

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 74-7(7)	78-7(7)	82-7(7)	86-7(7)	90-7(7)	94-7(7)	98-7(7)
Control	13.0± 1.4	12.8± 1.1	12.4± 1.2	12.7± 1.1	12.7± 1.2	12.7± 1.3	13.4± 1.3
4 ppm	12.5± 1.1	12.7± 1.3	12.3± 2.3	13.0± 1.5	12.7± 1.4	12.9± 1.5	12.9± 1.5
10 ppm	12.8± 0.9	12.6± 1.0	12.8± 1.0	12.6± 1.1	12.5± 0.8	13.0± 1.0	13.5± 1.5
25 ppm	12.7± 1.0	12.8± 1.1	12.5± 1.0	12.6± 1.0	12.2± 0.8	12.8± 0.8	13.2± 1.5

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

Group Name	Administration week-day(effective) 102-7(7)	104-7(7)
Control	13.2± 1.4	13.0± 1.8
4 ppm	13.5± 1.9	13.3± 1.9
10 ppm	13.6± 1.3	13.3± 1.3
25 ppm	13.3± 1.3	13.5± 1.2

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

TABLE F1

URINARYSIS : MALE

STUDY NO. : 0918 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	33	0	0	4	4	9	9	7		0	0	5	6	19	3		33	0	0	0	0	0		18	15	0	0	0	0		30	3	0	0	
4 ppm	33	0	0	4	0	5	18	6		0	3	4	6	19	1		33	0	0	0	0	0		17	11	5	0	0	0		26	6	0	1	
10 ppm	34	0	0	3	1	2	19	9	*	1	3	2	9	19	0		34	0	0	0	0	0		15	18	1	0	0	0		30	2	1	1	
25 ppm	29	0	0	2	2	3	11	11		0	3	10	4	12	0		29	0	0	0	0	0		13	15	1	0	0	0		27	1	0	1	

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	33	32	0	0	0	1		33	0	0	0	0	
4 ppm	33	32	0	1	0	0		33	0	0	0	0	
10 ppm	34	34	0	0	0	0		33	0	0	1	0	
25 ppm	29	28	0	0	0	1		29	0	0	0	0	

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

TABLE F2

URINARYSIS : FEMALE

STUDY NO. : 0918 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	38	0	1	2	3	3	6	23		2	9	13	9	5	0		38	0	0	0	0	0		24	7	6	1	0	0		36	2	0	0	
4 ppm	40	0	2	0	2	3	1	32		4	11	17	5	3	0		40	0	0	0	0	0		32	6	2	0	0	0		40	0	0	0	
10 ppm	39	0	0	1	0	3	3	32		8	9	10	6	6	0		39	0	0	0	0	0		31	7	1	0	0	0		38	1	0	0	
25 ppm	45	0	0	1	0	5	6	33		11	12	10	9	3	0		45	0	0	0	0	0		33	7	3	2	0	0		44	1	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	38	37	0	0	0	1		38	0	0	0	0	
4 ppm	40	40	0	0	0	0		40	0	0	0	0	
10 ppm	39	39	0	0	0	0		39	0	0	0	0	
25 ppm	45	44	0	0	0	1		45	0	0	0	0	

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

TABLE G1

HEMATOLOGY : MALE

STUDY NO. : 0918
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	32	8.38± 1.79	13.9± 2.4	41.1± 6.3	50.3± 6.8	16.9± 1.8	33.8± 1.1	704± 162
4 ppm	34	8.23± 1.63	13.6± 2.6	40.2± 6.8	49.9± 7.9	16.7± 2.5	33.6± 1.5	769± 213
10 ppm	35	8.28± 2.27	13.7± 3.1	40.5± 9.4	51.5± 11.0	18.2± 8.2	34.6± 5.0	692± 189
25 ppm	36	8.14± 2.03	13.6± 2.6	40.3± 7.2	51.6± 10.9	17.3± 3.1	33.6± 1.0	690± 205

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

Group Name	NO. of Animals	RETICULOCYTE %
Control	32	6.0± 5.7
4 ppm	34	6.3± 7.2
10 ppm	35	7.3± 10.6
25 ppm	36	7.0± 7.7

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

STUDY NO. : 0918
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	32	11.63±	21.09	50.3±	14.7	40.3±	8.6	7.2±	6.9	1.4±	0.6	0.7±	2.0
4 ppm	34	5.46±	2.89	51.2±	10.4	40.8±	8.4	6.4±	4.3	1.4±	0.7	0.2±	0.4
10 ppm	35	8.63±	8.26	49.0±	16.2	40.7±	11.1	8.4±	7.2	1.3±	0.6	0.6±	1.9
25 ppm	36	26.95±	97.06	49.7±	13.4	41.4±	8.2	6.8±	5.1	1.4±	0.6	0.7±	2.0

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

TABLE G2

HEMATOLOGY : FEMALE

Group Name	NO. of Animals	RED BLOOD CELL $10^6/\mu\ell$	HEMOGLOBIN g/dℓ	HEMATOCRIT %	MCV fℓ	MCH pg	MCHC g/dℓ	PLATELET $10^3/\mu\ell$
Control	39	8.16± 0.90	14.5± 1.3	41.4± 3.3	51.0± 3.1	17.9± 0.9	35.0± 0.7	577± 104
4 ppm	43	8.39± 0.53	14.8± 1.0	42.2± 2.4	50.4± 1.9	17.7± 0.8	35.1± 0.7	627± 94
10 ppm	39	8.31± 0.71	14.7± 1.5	41.7± 3.6	50.2± 2.0	17.7± 1.0	35.3± 1.0	605± 76
25 ppm	45	8.34± 0.99	15.0± 1.4	42.5± 3.4	51.4± 3.3	18.0± 0.8	35.1± 0.8	611± 120

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

Group Name	NO. of Animals	RETICULOCYTE %
Control	39	4.1± 2.5
4 ppm	43	3.5± 1.4
10 ppm	39	3.7± 2.3
25 ppm	45	3.9± 2.6

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

STUDY NO. : 0918
ANIMAL : RAT F344/DuCrlCrlj[F344/DuCrj]
MEASURE. TIME : 1
SEX : FEMALE 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	39	5.23±	9.21	44.5±	16.0	47.6±	12.8	5.8±	3.7	1.7±	0.9	0.5±	1.9
4 ppm	43	2.74±	2.16	46.1±	9.8	46.9±	8.3	5.1±	2.5	1.8±	0.8	0.1±	0.5
10 ppm	39	3.13±	2.99	46.4±	12.7	46.6±	13.0	4.9±	1.3	1.9±	0.9	0.2±	0.4
25 ppm	45	8.21±	37.53	48.0±	9.5	45.1±	9.4	4.9±	1.5	1.8±	0.9	0.2±	0.6

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

TABLE H1

BIOCHEMISTRY : MALE

STUDY NO. : 0918
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	32	6.7±	0.4	3.4±	0.2	1.0±	0.2	0.25±	0.37	150±	28	185±	44	114±	64
4 ppm	34	6.7±	0.4	3.5±	0.3	1.1±	0.2	0.21±	0.21	155±	17	187±	69	112±	90
10 ppm	35	6.5±	0.5	3.4±	0.4	1.1±	0.2	1.04±	4.64	150±	21	183±	59	105±	62
25 ppm	36	6.5±	0.4	3.5±	0.3	1.2±	0.2	0.32±	0.52	148±	23	163±	41*	85±	69

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	32	257± 54	112± 131	42± 16	157± 121	380± 151	12.5± 6.8	153± 139
4 ppm	34	262± 85	105± 65	44± 18	132± 36	390± 222	14.1± 10.4	150± 110
10 ppm	35	267± 147	159± 186**	58± 46	217± 433	489± 188*	18.3± 10.7	141± 56
25 ppm	36	233± 72*	190± 471	63± 88	159± 164	441± 300	14.1± 9.5	178± 244

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	32	17.4± 2.2	0.38± 0.04	142± 1	3.9± 0.3	105± 2	10.0± 0.3	3.6± 0.7
4 ppm	34	18.0± 1.9	0.36± 0.06	142± 1	3.8± 0.3	105± 2	10.1± 0.3	3.7± 0.4
10 ppm	35	19.1± 5.1	0.37± 0.04	142± 1	3.9± 0.3	105± 1	9.9± 0.4	3.8± 0.7
25 ppm	36	18.7± 5.7	0.35± 0.04*	142± 1	3.9± 0.3	106± 2	9.9± 0.3	3.9± 0.7

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

TABLE H2

BIOCHEMISTRY : FEMALE

Group Name	NO. of Animals	TOTAL PROTEIN g／dℓ		ALBUMIN g／dℓ		A/G RATIO		T-BILIRUBIN mg／dℓ		GLUCOSE mg／dℓ		T-CHOLESTEROL mg／dℓ		TRIGLYCERIDE mg／dℓ	
Control	39	6.9±	0.4	4.1±	0.3	1.5±	0.2	0.12±	0.05	140±	17	139±	22	62±	18
4 ppm	43	6.9±	0.4	4.0±	0.5	1.5±	0.3	0.10±	0.03	142±	15	150±	67	74±	89
10 ppm	39	6.9±	0.4	4.1±	0.4	1.5±	0.2	0.21±	0.64	141±	17	138±	23	62±	24
25 ppm	45	6.7±	0.4	4.0±	0.3	1.5±	0.2	0.11±	0.04	143±	15	134±	14	49±	28**

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	39	240± 36	166± 104	67± 32	194± 190	271± 382	2.3± 2.0	114± 26
4 ppm	43	256± 93	137± 85	63± 33	149± 36	207± 111	2.7± 4.1	115± 23
10 ppm	39	241± 33	167± 274*	60± 42	150± 75*	242± 237	2.4± 2.4	110± 26
25 ppm	45	232± 26	129± 86*	57± 26	151± 75*	239± 160	2.3± 1.6	124± 66

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	39	17.8±	2.0	0.33±	0.03	140±	1	3.6±	0.4	103±	2	10.0±	0.3	3.5±	0.5
4 ppm	43	18.5±	2.5	0.33±	0.03	141±	1	3.6±	0.3	103±	2	10.0±	0.3	3.6±	0.8
10 ppm	39	18.2±	2.1	0.33±	0.03	140±	1	3.6±	0.3	103±	2	10.0±	0.3	3.5±	0.7
25 ppm	45	18.8±	2.2	0.31±	0.03**	141±	1	3.7±	0.5	104±	2	9.8±	0.3*	3.6±	0.7

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	(%)	4 ppm 50	(%)	10 ppm 50	(%)	25 ppm 50	(%)
skin/app	nodule		3	(6)	7	(14)	2	(4)	0	(0)
subcutis	jaundice		2	(4)	4	(8)	5	(10)	6	(12)
	mass		6	(12)	3	(6)	8	(16)	0	(0)
nasal cavit	black zone		1	(2)	0	(0)	0	(0)	0	(0)
lung	white zone		7	(14)	5	(10)	5	(10)	2	(4)
	red zone		2	(4)	3	(6)	1	(2)	1	(2)
	brown zone		1	(2)	0	(0)	0	(0)	0	(0)
	nodule		2	(4)	1	(2)	3	(6)	2	(4)
	voluminous		0	(0)	0	(0)	0	(0)	1	(2)
lymph node	enlarged		3	(6)	3	(6)	5	(10)	5	(10)
thymus	enlarged		0	(0)	0	(0)	1	(2)	0	(0)
spleen	enlarged		16	(32)	16	(32)	19	(38)	18	(36)
	white zone		1	(2)	2	(4)	1	(2)	1	(2)
	nodule		0	(0)	0	(0)	2	(4)	0	(0)
	deformed		0	(0)	0	(0)	1	(2)	1	(2)
heart	white zone		1	(2)	0	(0)	0	(0)	1	(2)
	nodule		0	(0)	0	(0)	0	(0)	1	(2)
tongue	white zone		0	(0)	0	(0)	0	(0)	1	(2)
stomach	forestomach:ulcer		2	(4)	0	(0)	1	(2)	0	(0)
	forestomach:erosion		0	(0)	1	(2)	0	(0)	0	(0)
	forestomach:nodule		0	(0)	1	(2)	1	(2)	2	(4)
	glandular stomach:ulcer		0	(0)	1	(2)	0	(0)	0	(0)

Organ	Findings	Group Name / NO. of Animals	Control 50	(%)	4 ppm 50	(%)	10 ppm 50	(%)	25 ppm 50	(%)
stomach	glandular stomach:erosion		0	(0)	0	(0)	0	(0)	1	(2)
	glandular stomach:nodule		1	(2)	1	(2)	0	(0)	0	(0)
	glandular stomach:red zone		0	(0)	0	(0)	1	(2)	0	(0)
small intes	nodule		0	(0)	1	(2)	0	(0)	0	(0)
liver	enlarged		3	(6)	6	(12)	8	(16)	5	(10)
	white zone		0	(0)	2	(4)	1	(2)	4	(8)
	red zone		0	(0)	0	(0)	1	(2)	1	(2)
	nodule		2	(4)	2	(4)	3	(6)	1	(2)
	cyst		0	(0)	0	(0)	1	(2)	1	(2)
	deformed		1	(2)	0	(0)	0	(0)	0	(0)
	rough		8	(16)	7	(14)	10	(20)	7	(14)
	granular		0	(0)	2	(4)	1	(2)	0	(0)
	herniation		13	(26)	6	(12)	8	(16)	5	(10)
kidney	white zone		2	(4)	1	(2)	0	(0)	3	(6)
	nodule		0	(0)	0	(0)	1	(2)	1	(2)
	granular		1	(2)	1	(2)	2	(4)	0	(0)
urin bladd	urine:marked retention		0	(0)	1	(2)	1	(2)	1	(2)
pituitary	enlarged		8	(16)	3	(6)	1	(2)	1	(2)
	red zone		0	(0)	0	(0)	0	(0)	1	(2)
	black zone		1	(2)	4	(8)	1	(2)	2	(4)
	nodule		1	(2)	0	(0)	0	(0)	0	(0)
thyroid	enlarged		0	(0)	0	(0)	0	(0)	2	(4)

Organ	Findings	Group Name / NO. of Animals	Control 50	(%)	4 ppm 50	(%)	10 ppm 50	(%)	25 ppm 50	(%)
thyroid	black zone		0	(0)	0	(0)	1	(2)	0	(0)
	nodule		11	(22)	7	(14)	3	(6)	8	(16)
adrenal	enlarged		2	(4)	3	(6)	3	(6)	1	(2)
testis	nodule		38	(76)	43	(86)	40	(80)	38	(76)
mammary gl	nodule		1	(2)	0	(0)	0	(0)	0	(0)
prep/cli gl	nodule		0	(0)	0	(0)	0	(0)	1	(2)
brain	red zone		2	(4)	0	(0)	0	(0)	1	(2)
	black zone		0	(0)	1	(2)	0	(0)	0	(0)
	nodule		0	(0)	0	(0)	1	(2)	0	(0)
spinal cord	red zone		0	(0)	0	(0)	0	(0)	1	(2)
eye	white		1	(2)	0	(0)	0	(0)	2	(4)
	red		0	(0)	1	(2)	0	(0)	0	(0)
Zymbal gl	nodule		0	(0)	1	(2)	0	(0)	1	(2)
muscle	nodule		0	(0)	1	(2)	1	(2)	0	(0)
bone	nodule		0	(0)	0	(0)	2	(4)	0	(0)
pleura	nodule		0	(0)	0	(0)	1	(2)	1	(2)
	adhesion		0	(0)	0	(0)	0	(0)	1	(2)
peritoneum	nodule		1	(2)	4	(8)	1	(2)	2	(4)
	thick		0	(0)	1	(2)	0	(0)	1	(2)
retroperit	mass		0	(0)	1	(2)	0	(0)	0	(0)
abdominal c	hemorrhage		0	(0)	2	(4)	0	(0)	1	(2)
	ascites		1	(2)	1	(2)	3	(6)	1	(2)

Organ	Findings	Group Name / NO. of Animals	Control 50	(%)	4 ppm 50	(%)	10 ppm 50	(%)	25 ppm 50	(%)
thoracic ca	hemorrhage		0	(0)	0	(0)	1	(2)	0	(0)
	pleural fluid		1	(2)	1	(2)	10	(20)	4	(8)
other	ear:nodule		1	(2)	0	(0)	0	(0)	0	(0)
	forelimb:swollen		0	(0)	1	(2)	0	(0)	0	(0)
	hindlimb:swollen		0	(0)	1	(2)	0	(0)	0	(0)
	upper jaw:nodule		1	(2)	0	(0)	1	(2)	0	(0)
	tail:scab		1	(2)	2	(4)	0	(0)	0	(0)
whole body	anemic		0	(0)	1	(2)	0	(0)	2	(4)

TABLE I2

GROSS FINDINGS : FEMALE

Organ	Findings	Group Name / NO. of Animals	Control 50	(%)	4 ppm 50	(%)	10 ppm 50	(%)	25 ppm 50	(%)
skin/app	nodule		1	(2)	0	(0)	0	(0)	1	(2)
	scab		0	(0)	0	(0)	0	(0)	1	(2)
subcutis	jaundice		2	(4)	0	(0)	0	(0)	1	(2)
	mass		1	(2)	6	(12)	5	(10)	4	(8)
nasal cavit	white zone		0	(0)	0	(0)	1	(2)	1	(2)
lung	white zone		5	(10)	3	(6)	3	(6)	4	(8)
	red zone		0	(0)	1	(2)	3	(6)	0	(0)
	brown zone		0	(0)	1	(2)	1	(2)	0	(0)
	orange		0	(0)	0	(0)	0	(0)	1	(2)
	nodule		0	(0)	0	(0)	1	(2)	1	(2)
lymph node	enlarged		2	(4)	0	(0)	3	(6)	1	(2)
	red		0	(0)	0	(0)	1	(2)	0	(0)
thymus	enlarged		1	(2)	0	(0)	2	(4)	0	(0)
spleen	enlarged		6	(12)	1	(2)	6	(12)	4	(8)
	white zone		0	(0)	0	(0)	1	(2)	0	(0)
	nodule		0	(0)	0	(0)	0	(0)	1	(2)
	adhesion		0	(0)	0	(0)	1	(2)	0	(0)
oral cavity	food		1	(2)	1	(2)	1	(2)	1	(2)
tongue	white zone		1	(2)	0	(0)	0	(0)	0	(0)
	nodule		0	(0)	1	(2)	1	(2)	0	(0)
stomach	forestomach:ulcer		1	(2)	0	(0)	0	(0)	0	(0)
	glandular stomach:nodule		0	(0)	0	(0)	0	(0)	1	(2)

Organ	Findings	Group Name / NO. of Animals	Control 50	(%)	4 ppm 50	(%)	10 ppm 50	(%)	25 ppm 50	(%)
small intes	dilated		0	(0)	1	(2)	0	(0)	0	(0)
large intes	nodule		0	(0)	1	(2)	0	(0)	1	(2)
liver	enlarged		1	(2)	0	(0)	0	(0)	0	(0)
	white zone		2	(4)	3	(6)	2	(4)	4	(8)
	red zone		1	(2)	0	(0)	0	(0)	0	(0)
	nodule		0	(0)	1	(2)	3	(6)	1	(2)
	rough		2	(4)	0	(0)	3	(6)	3	(6)
	herniation		8	(16)	10	(20)	10	(20)	12	(24)
pancreas	nodule		0	(0)	1	(2)	0	(0)	0	(0)
kidney	white zone		0	(0)	0	(0)	1	(2)	0	(0)
	black zone		0	(0)	0	(0)	0	(0)	1	(2)
	nodule		1	(2)	0	(0)	0	(0)	0	(0)
	granular		0	(0)	1	(2)	0	(0)	0	(0)
urin bladd	red		0	(0)	0	(0)	1	(2)	0	(0)
	urine:marked retention		1	(2)	0	(0)	1	(2)	0	(0)
pituitary	enlarged		7	(14)	5	(10)	6	(12)	8	(16)
	red zone		1	(2)	1	(2)	2	(4)	1	(2)
	black zone		4	(8)	6	(12)	9	(18)	4	(8)
	nodule		1	(2)	0	(0)	1	(2)	0	(0)
	cyst		1	(2)	0	(0)	0	(0)	0	(0)
thyroid	red zone		0	(0)	1	(2)	0	(0)	0	(0)
	black zone		0	(0)	0	(0)	0	(0)	1	(2)

Organ	Findings	Group Name / NO. of Animals	Control 50	(%)	4 ppm 50	(%)	10 ppm 50	(%)	25 ppm 50	(%)
thyroid	nodule		5	(10)	3	(6)	2	(4)	2	(4)
	cyst		1	(2)	0	(0)	0	(0)	0	(0)
ovary	enlarged		0	(0)	1	(2)	1	(2)	1	(2)
	red		0	(0)	0	(0)	1	(2)	0	(0)
	cyst		1	(2)	3	(6)	2	(4)	1	(2)
uterus	red zone		0	(0)	0	(0)	1	(2)	0	(0)
	black zone		2	(4)	1	(2)	0	(0)	4	(8)
	nodule		2	(4)	5	(10)	6	(12)	3	(6)
	dilated		3	(6)	4	(8)	2	(4)	1	(2)
vagina	nodule		1	(2)	0	(0)	0	(0)	0	(0)
	fluid:red		0	(0)	1	(2)	0	(0)	0	(0)
mammary gl	nodule		0	(0)	1	(2)	1	(2)	0	(0)
prep/cli gl	nodule		0	(0)	0	(0)	1	(2)	0	(0)
brain	red zone		2	(4)	0	(0)	1	(2)	0	(0)
	nodule		0	(0)	0	(0)	1	(2)	0	(0)
spinal cord	red zone		0	(0)	0	(0)	1	(2)	0	(0)
eye	turbid		1	(2)	0	(0)	0	(0)	0	(0)
	white		4	(8)	0	(0)	2	(4)	1	(2)
Zymbal gl	nodule		0	(0)	0	(0)	2	(4)	0	(0)
pleura	white zone		1	(2)	0	(0)	0	(0)	0	(0)
	nodule		1	(2)	0	(0)	0	(0)	0	(0)
	thick		0	(0)	0	(0)	1	(2)	0	(0)

Organ	Findings	Group Name / NO. of Animals	Control 50	(%)	4 ppm 50	(%)	10 ppm 50	(%)	25 ppm 50	(%)
peritoneum	nodule		0	(0)	2	(4)	0	(0)	1	(2)
retroperit	mass		0	(0)	0	(0)	1	(2)	0	(0)
abdominal c	hemorrhage		1	(2)	0	(0)	0	(0)	0	(0)
	ascites		1	(2)	1	(2)	0	(0)	1	(2)
thoracic ca	hemorrhage		0	(0)	1	(2)	0	(0)	0	(0)
	pleural fluid		2	(4)	0	(0)	2	(4)	0	(0)
other	nose:nodule		0	(0)	0	(0)	1	(2)	0	(0)
whole body	anemic		1	(2)	0	(0)	0	(0)	0	(0)

TABLE J1

ORGAN WEIGHT, ABSOLUTE : MALE

STUDY NO. : 0918
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	32	364± 24	0.090± 0.068	3.168± 0.986	1.130± 0.077	1.384± 0.187	2.476± 0.233
4 ppm	34	348± 37	0.078± 0.027	3.282± 1.107	1.148± 0.094	1.418± 0.429	2.464± 0.184
10 ppm	35	345± 28*	0.127± 0.296	3.429± 1.453	1.172± 0.128	1.505± 0.406	2.502± 0.198
25 ppm	36	322± 31**	0.073± 0.013	3.352± 1.185	1.127± 0.123	1.438± 0.404	2.432± 0.211

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

Group Name	NO. of Animals	SPLEEN		LIVER		BRAIN	
Control	32	1.660±	1.886	11.203±	4.295	2.039±	0.031
4 ppm	34	1.349±	1.064	10.270±	1.604	2.032±	0.046
10 ppm	35	1.777±	1.948	10.988±	2.086	2.046±	0.049
25 ppm	36	2.053±	3.162	9.978±	2.926*	2.041±	0.037

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

TABLE J2

ORGAN WEIGHT, ABSOLUTE : FEMALE

Group Name	NO. of Animals	Body Weight	ADRENALS	OVARIES	HEART	LUNGS	KIDNEYS
Control	39	236± 25	0.075± 0.010	0.128± 0.020	0.830± 0.071	0.937± 0.224	1.601± 0.121
4 ppm	43	229± 18	0.076± 0.012	0.293± 1.055	0.818± 0.059	0.890± 0.079	1.602± 0.218
10 ppm	39	229± 18	0.073± 0.007	0.130± 0.020	0.837± 0.051	0.898± 0.052	1.567± 0.122
25 ppm	45	211± 14**	0.074± 0.008	0.256± 0.906	0.841± 0.085	0.985± 0.394	1.567± 0.130

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

Group Name	NO. of Animals	SPLEEN		LIVER		BRAIN	
Control	39	0.844±	1.086	5.974±	1.087	1.869±	0.038
4 ppm	43	0.523±	0.193	6.012±	1.150	1.868±	0.033
10 ppm	39	0.592±	0.242	6.087±	1.435	1.864±	0.030
25 ppm	45	0.923±	2.326	5.652±	1.040	1.875±	0.034

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

TABLE K1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0918
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	32	364± 24	0.024± 0.016	0.871± 0.266	0.311± 0.019	0.383± 0.069	0.681± 0.054
4 ppm	34	348± 37	0.023± 0.008	0.949± 0.326	0.332± 0.036*	0.415± 0.158	0.714± 0.082
10 ppm	35	345± 28*	0.040± 0.105	0.979± 0.390	0.342± 0.054**	0.441± 0.141**	0.728± 0.084*
25 ppm	36	322± 31**	0.023± 0.005	1.038± 0.355	0.352± 0.041**	0.454± 0.162**	0.762± 0.105**

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

STUDY NO. : 0918
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	32	0.472± 0.574	3.097± 1.285	0.562± 0.036
4 ppm	34	0.398± 0.354	2.960± 0.442	0.590± 0.065
10 ppm	35	0.536± 0.679	3.194± 0.651	0.596± 0.044**
25 ppm	36	0.668± 1.107	3.132± 1.111	0.640± 0.070**

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

TABLE K2

ORGAN WEIGHT, RELATIVE : FEMALE

STUDY NO. : 0918
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	39	236± 25	0.032± 0.004	0.055± 0.009	0.354± 0.033	0.404± 0.126	0.683± 0.057
4 ppm	43	229± 18	0.033± 0.004	0.134± 0.501	0.359± 0.030	0.392± 0.048	0.702± 0.083
10 ppm	39	229± 18	0.032± 0.003	0.057± 0.009	0.368± 0.031	0.395± 0.037	0.688± 0.062
25 ppm	45	211± 14**	0.035± 0.005**	0.120± 0.417	0.400± 0.046**	0.473± 0.218**	0.746± 0.087**

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

STUDY NO. : 0918
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	39	0.375± 0.528	2.538± 0.351	0.801± 0.080
4 ppm	43	0.231± 0.092	2.642± 0.521	0.822± 0.063
10 ppm	39	0.262± 0.115	2.672± 0.638	0.820± 0.062
25 ppm	45	0.461± 1.219	2.696± 0.590	0.892± 0.052**

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

TABLE L1

HISTOPATHOLOGICAL FINDINGS :

NEOPLASTIC LESIONS : MALE

Organ	Findings	Group Name / No. of animals on Study	Control 50	4 ppm 50	10 ppm 50	25 ppm 50
{Integumentary system/appandage}						
skin/app			<50>	<50>	<50>	<50>
	squamous cell papilloma		0 (0%)	1 (2%)	1 (2%)	0 (0%)
	trichoepithelioma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
	keratoacanthoma		2 (4%)	2 (4%)	1 (2%)	0 (0%)
	sebaceous adenoma		0 (0%)	2 (4%)	0 (0%)	0 (0%)
	basal cell carcinoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
subcutis			<50>	<50>	<50>	<50>
	fibroma		4 (8%)	2 (4%)	4 (8%)	0 (0%)
	lipoma		1 (2%)	1 (2%)	0 (0%)	0 (0%)
	schwannoma		1 (2%)	1 (2%)	0 (0%)	0 (0%)
	fibrosarcoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	schwannoma:malignant		1 (2%)	1 (2%)	0 (0%)	0 (0%)
	sarcoma:NOS		1 (2%)	0 (0%)	0 (0%)	0 (0%)
{Respiratory system}						
nasal cavit			<50>	<50>	<50>	<50>
	papilloma		0 (0%)	0 (0%)	1 (2%)	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	4 ppm 50	10 ppm 50	25 ppm 50
{Respiratory system}						
lung			<50>	<50>	<50>	<50>
	bronchiolar-alveolar adenoma		4 (8%)	4 (8%)	4 (8%)	3 (6%)
	squamous cell carcinoma		1 (2%)	0 (0%)	0 (0%)	1 (2%)
	bronchiolar-alveolar carcinoma		2 (4%)	0 (0%)	1 (2%)	1 (2%)
{Hematopoietic system}						
bone marrow			<50>	<50>	<50>	<50>
	histiocytic sarcoma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
lymph node			<50>	<50>	<50>	<50>
	malignant lymphoma		0 (0%)	2 (4%)	0 (0%)	0 (0%)
spleen			<50>	<50>	<50>	<50>
	mononuclear cell leukemia		10 (20%)	9 (18%)	14 (28%)	16 (32%)
{Circulatory system}						
heart			<50>	<50>	<50>	<50>
	schwannoma		0 (0%)	0 (0%)	1 (2%)	1 (2%)
{Digestive system}						
oral cavity			<50>	<50>	<50>	<50>
	squamous cell papilloma		1 (2%)	0 (0%)	2 (4%)	0 (0%)
stomach			<50>	<50>	<50>	<50>
	squamous cell papilloma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	squamous cell carcinoma		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	4 ppm 50	10 ppm 50	25 ppm 50
{Digestive system}						
small intes			<50>	<50>	<50>	<50>
	sarcoma:NOS		0 (0%)	1 (2%)	0 (0%)	0 (0%)
large intes			<50>	<50>	<50>	<50>
	fibroma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
liver			<50>	<50>	<50>	<50>
	hepatocellular adenoma		0 (0%)	2 (4%)	6 (12%)	3 (6%)
pancreas			<50>	<50>	<50>	<50>
	islet cell adenoma		5 (10%)	4 (8%)	1 (2%)	6 (12%)
	mixed acinar-islet cell adenoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	islet cell adenocarcinoma		1 (2%)	0 (0%)	0 (0%)	2 (4%)
{Urinary system}						
kidney			<50>	<50>	<50>	<50>
	lipoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	renal cell carcinoma		0 (0%)	1 (2%)	0 (0%)	1 (2%)
{Endocrine system}						
pituitary			<50>	<50>	<50>	<50>
	adenoma		7 (14%)	6 (12%)	0 (0%)	3 (6%)
	adenocarcinoma		2 (4%)	0 (0%)	1 (2%)	0 (0%)
thyroid			<50>	<50>	<50>	<50>
	C-cell adenoma		12 (24%)	10 (20%)	16 (32%)	14 (28%)

< 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	4 ppm	10 ppm	25 ppm
		No. of animals on Study	50	50	50	50
{Endocrine system}						
thyroid			<50>	<50>	<50>	<50>
	follicular adenoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
	C-cell carcinoma		6 (12%)	1 (2%)	1 (2%)	4 (8%)
	follicular adenocarcinoma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
parathyroid			<50>	<50>	<50>	<49>
	adenoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
adrenal			<50>	<50>	<50>	<50>
	pheochromocytoma		3 (6%)	2 (4%)	3 (6%)	3 (6%)
	cortical adenoma		0 (0%)	1 (2%)	1 (2%)	0 (0%)
	pheochromocytoma:malignant		1 (2%)	2 (4%)	2 (4%)	1 (2%)
{Reproductive system}						
testis			<50>	<50>	<50>	<50>
	interstitial cell tumor		45 (90%)	46 (92%)	46 (92%)	40 (80%)
prostate			<50>	<50>	<50>	<50>
	adenoma		0 (0%)	0 (0%)	1 (2%)	1 (2%)
mammary gl			<50>	<50>	<50>	<50>
	fibroadenoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
prep/cli gl			<50>	<50>	<50>	<50>
	adenoma		0 (0%)	0 (0%)	1 (2%)	1 (2%)
{Nervous system}						
brain			<50>	<50>	<50>	<50>
	granular cell tumor		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	Control	4 ppm	10 ppm	25 ppm
		No. of animals on Study	50	50	50	50
{Nervous system}						
brain			<50>	<50>	<50>	<50>
	astrocytoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
{Special sense organs/appendage}						
Zymbal gl			<50>	<50>	<50>	<50>
	Zymbal gland tumor:malignant		0 (0%)	1 (2%)	0 (0%)	1 (2%)
{Musculoskeletal system}						
bone			<50>	<50>	<50>	<50>
	osteosarcoma		0 (0%)	1 (2%)	3 (6%)	0 (0%)
vertebra			<50>	<50>	<50>	<50>
	chordoma:malignant		0 (0%)	1 (2%)	0 (0%)	0 (0%)
{Body cavities}						
peritoneum			<50>	<50>	<50>	<50>
	mesothelioma		1 (2%)	3 (6%)	0 (0%)	2 (4%)
	histiocytic sarcoma		0 (0%)	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

TABLE L2

HISTOPATHOLOGICAL FINDINGS :

NEOPLASTIC LESIONS : FEMALE

Organ	Findings	Group Name	Control	4 ppm	10 ppm	25 ppm
		No. of animals on Study	50	50	50	50
{Integumentary system/appandage}						
skin/app			<50>	<50>	<50>	<50>
	keratoacanthoma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
	squamous cell carcinoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
subcutis			<50>	<50>	<50>	<50>
	fibroma		0 (0%)	2 (4%)	1 (2%)	0 (0%)
	schwannoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
{Respiratory system}						
nasal cavit			<50>	<50>	<50>	<50>
	papilloma		0 (0%)	1 (2%)	1 (2%)	1 (2%)
lung			<50>	<50>	<50>	<50>
	bronchiolar-alveolar adenoma		0 (0%)	0 (0%)	2 (4%)	1 (2%)
	bronchiolar-alveolar carcinoma		0 (0%)	1 (2%)	1 (2%)	1 (2%)
{Hematopoietic system}						
spleen			<50>	<50>	<50>	<50>
	mononuclear cell leukemia		6 (12%)	2 (4%)	5 (10%)	5 (10%)
	hemangiosarcoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
{Digestive system}						
liver			<50>	<50>	<50>	<50>
	hepatocellular adenoma		0 (0%)	1 (2%)	1 (2%)	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	Control	4 ppm	10 ppm	25 ppm
		No. of animals on Study	50	50	50	50
{Digestive system}						
pancreas			<50>	<50>	<50>	<50>
	islet cell adenoma		3 (6%)	0 (0%)	1 (2%)	1 (2%)
	islet cell adenocarcinoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
{Urinary system}						
kidney			<50>	<50>	<50>	<50>
	renal cell adenoma		0 (0%)	0 (0%)	2 (4%)	0 (0%)
	nephroblastoma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
{Endocrine system}						
pituitary			<50>	<50>	<50>	<50>
	adenoma		7 (14%)	8 (16%)	7 (14%)	5 (10%)
	adenocarcinoma		0 (0%)	0 (0%)	1 (2%)	2 (4%)
thyroid			<50>	<50>	<50>	<50>
	C-cell adenoma		13 (26%)	15 (30%)	8 (16%)	10 (20%)
	follicular adenoma		1 (2%)	0 (0%)	1 (2%)	0 (0%)
	C-cell carcinoma		4 (8%)	1 (2%)	0 (0%)	2 (4%)
adrenal			<50>	<50>	<50>	<50>
	pheochromocytoma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
{Reproductive system}						
ovary			<50>	<50>	<50>	<50>
	sertoli cell tumor		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	Control	4 ppm	10 ppm	25 ppm
		No. of animals on Study	50	50	50	50
{Reproductive system}						
ovary			<50>	<50>	<50>	<50>
	adenocarcinoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
uterus			<50>	<50>	<50>	<50>
	adenoma		1 (2%)	0 (0%)	0 (0%)	1 (2%)
	leiomyoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
	hemangioma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
	endometrial stromal polyp		10 (20%)	6 (12%)	11 (22%)	10 (20%)
	adenocarcinoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	leiomyosarcoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
	endometrial stromal sarcoma		1 (2%)	0 (0%)	1 (2%)	0 (0%)
	stromal sarcoma		1 (2%)	1 (2%)	0 (0%)	0 (0%)
	endometrial adenocarcinoma		1 (2%)	1 (2%)	0 (0%)	0 (0%)
mammary gl			<50>	<50>	<50>	<50>
	adenoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	fibroadenoma		1 (2%)	4 (8%)	3 (6%)	2 (4%)
	adenocarcinoma		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	Control	4 ppm	10 ppm	25 ppm
		No. of animals on Study	50	50	50	50
{Reproductive system}						
prep/cli gl			<50>	<50>	<50>	<50>
	adenoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
	adenocarcinoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
{Nervous system}						
brain			<50>	<50>	<50>	<50>
	glioma		2 (4%)	0 (0%)	0 (0%)	0 (0%)
	meningioma:malignant		0 (0%)	0 (0%)	1 (2%)	0 (0%)
{Special sense organs/appendage}						
Zymbal gl			<50>	<50>	<50>	<50>
	Zymbal gland tumor:malignant		0 (0%)	0 (0%)	1 (2%)	0 (0%)
{Body cavities}						
peritoneum			<50>	<50>	<50>	<50>
	hemangioma		0 (0%)	1 (2%)	0 (0%)	1 (2%)
	liposarcoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
	mesothelioma		0 (0%)	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

TABLE M1

NEOPLASTIC LESIONS-INCIDENCE AND

STATISTICAL ANALYSIS : MALE

Group Name	Control	4 ppm	10 ppm	25 ppm
SITE : skin/appendage				
TUMOR : squamous cell papilloma,trichoepithelioma,keratoacanthoma,sebaceous adenoma,basal cell carcinoma				
Tumor rate				
Overall rates(a)	2/50(4.0)	7/50(14.0)	2/50(4.0)	0/50(0.0)
Adjusted rates(b)	6.25	17.65	5.71	0.00
Terminal rates(c)	2/32(6.3)	6/34(17.6)	2/35(5.7)	0/36(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.5562			
Prevalence method(d)	P = 0.9817			
Combined analysis(d)	P = 0.9861			
Cochran-Armitage test(e)	P = 0.0530			
Fisher Exact test(e)		P = 0.0798	P = 0.6913	P = 0.2475
SITE : subcutis				
TUMOR : fibroma				
Tumor rate				
Overall rates(a)	4/50(8.0)	2/50(4.0)	4/50(8.0)	0/50(0.0)
Adjusted rates(b)	5.88	5.41	8.57	0.00
Terminal rates(c)	1/32(3.1)	1/34(2.9)	3/35(8.6)	0/36(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.8752			
Prevalence method(d)	P = 0.9028			
Combined analysis(d)	P = 0.9633			
Cochran-Armitage test(e)	P = 0.0908			
Fisher Exact test(e)		P = 0.3389	P = 0.6425	P = 0.0587
SITE : subcutis				
TUMOR : fibroma,fibrosarcoma				
Tumor rate				
Overall rates(a)	4/50(8.0)	2/50(4.0)	5/50(10.0)	0/50(0.0)
Adjusted rates(b)	5.88	5.41	11.43	0.00
Terminal rates(c)	1/32(3.1)	1/34(2.9)	4/35(11.4)	0/36(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.8752			
Prevalence method(d)	P = 0.8859			
Combined analysis(d)	P = 0.9547			
Cochran-Armitage test(e)	P = 0.1077			
Fisher Exact test(e)		P = 0.3389	P = 0.5000	P = 0.0587

Group Name	Control	4 ppm	10 ppm	25 ppm
SITE : lung				
TUMOR : bronchiolar-alveolar adenoma				
Tumor rate				
Overall rates(a)	4/50(8.0)	4/50(8.0)	4/50(8.0)	3/50(6.0)
Adjusted rates(b)	8.33	8.82	11.43	8.11
Terminal rates(c)	2/32(6.3)	3/34(8.8)	4/35(11.4)	2/36(5.6)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.6679			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.6664			
Fisher Exact test(e)		P = 0.6425	P = 0.6425	P = 0.5000
SITE : lung				
TUMOR : bronchiolar-alveolar adenoma,bronchiolar-alveolar carcinoma				
Tumor rate				
Overall rates(a)	6/50(12.0)	4/50(8.0)	5/50(10.0)	4/50(8.0)
Adjusted rates(b)	12.50	8.82	14.29	8.11
Terminal rates(c)	4/32(12.5)	3/34(8.8)	5/35(14.3)	2/36(5.6)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.1183			
Prevalence method(d)	P = 0.8185			
Combined analysis(d)	P = 0.6860			
Cochran-Armitage test(e)	P = 0.6250			
Fisher Exact test(e)		P = 0.3703	P = 0.5000	P = 0.3703
SITE : lung				
TUMOR : bronchiolar-alveolar adenoma,squamous cell carcinoma,bronchiolar-alveolar carcinoma				
Tumor rate				
Overall rates(a)	7/50(14.0)	4/50(8.0)	5/50(10.0)	5/50(10.0)
Adjusted rates(b)	15.62	8.82	14.29	10.81
Terminal rates(c)	5/32(15.6)	3/34(8.8)	5/35(14.3)	3/36(8.3)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.1183			
Prevalence method(d)	P = 0.7697			
Combined analysis(d)	P = 0.6335			
Cochran-Armitage test(e)	P = 0.7384			
Fisher Exact test(e)		P = 0.2623	P = 0.3798	P = 0.3798

Group Name	Control	4 ppm	10 ppm	25 ppm
SITE : spleen				
TUMOR : mononuclear cell leukemia				
Tumor rate				
Overall rates(a)	10/50(20.0)	9/50(18.0)	14/50(28.0)	16/50(32.0)
Adjusted rates(b)	9.38	5.88	17.14	13.89
Terminal rates(c)	3/32(9.4)	2/34(5.9)	6/35(17.1)	5/36(13.9)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.1171			
Prevalence method(d)	P = 0.1946			
Combined analysis(d)	P = 0.0722			
Cochran-Armitage test(e)	P = 0.0890			
Fisher Exact test(e)		P = 0.5000	P = 0.2415	P = 0.1271
SITE : liver				
TUMOR : hepatocellular adenoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	2/50(4.0)	6/50(12.0)	3/50(6.0)
Adjusted rates(b)	0.00	5.88	17.14	8.33
Terminal rates(c)	0/32(0.0)	2/34(5.9)	6/35(17.1)	3/36(8.3)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.1527			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.2430			
Fisher Exact test(e)		P = 0.2475	P = 0.0133*	P = 0.1212
SITE : pancreas				
TUMOR : islet cell adenoma				
Tumor rate				
Overall rates(a)	5/50(10.0)	4/50(8.0)	1/50(2.0)	6/50(12.0)
Adjusted rates(b)	11.90	8.89	2.86	15.00
Terminal rates(c)	3/32(9.4)	2/34(5.9)	1/35(2.9)	5/36(13.9)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.2350			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.5831			
Fisher Exact test(e)		P = 0.5000	P = 0.1022	P = 0.5000

Group Name	Control	4 ppm	10 ppm	25 ppm
SITE : pancreas				
TUMOR : islet cell adenoma,islet cell adenocarcinoma				
Tumor rate				
Overall rates(a)	6/50(12.0)	4/50(8.0)	1/50(2.0)	8/50(16.0)
Adjusted rates(b)	14.29	8.89	2.86	20.00
Terminal rates(c)	3/32(9.4)	2/34(5.9)	1/35(2.9)	7/36(19.4)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.1133			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.3008			
Fisher Exact test(e)		P = 0.3703	P = 0.0559	P = 0.3871
SITE : pituitary gland				
TUMOR : adenoma				
Tumor rate				
Overall rates(a)	7/50(14.0)	6/50(12.0)	0/50(0.0)	3/50(6.0)
Adjusted rates(b)	18.75	16.22	0.00	8.33
Terminal rates(c)	6/32(18.8)	5/34(14.7)	0/35(0.0)	3/36(8.3)
Statistical analysis				
Peto test				
Standard method(d)	P = 1.0000 ?			
Prevalence method(d)	P = 0.9226			
Combined analysis(d)	P = 0.9519			
Cochran-Armitage test(e)	P = 0.1177			
Fisher Exact test(e)		P = 0.5000	P = 0.0062**	P = 0.1589
SITE : pituitary gland				
TUMOR : adenoma,adenocarcinoma				
Tumor rate				
Overall rates(a)	9/50(18.0)	6/50(12.0)	1/50(2.0)	3/50(6.0)
Adjusted rates(b)	18.75	16.22	0.00	8.33
Terminal rates(c)	6/32(18.8)	5/34(14.7)	0/35(0.0)	3/36(8.3)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.9529			
Prevalence method(d)	P = 0.9272			
Combined analysis(d)	P = 0.9813			
Cochran-Armitage test(e)	P = 0.0528			
Fisher Exact test(e)		P = 0.2883	P = 0.0078**	P = 0.0606

Group Name	Control	4 ppm	10 ppm	25 ppm
SITE : thyroid				
TUMOR : C-cell adenoma				
Tumor rate				
Overall rates(a)	12/50(24.0)	10/50(20.0)	16/50(32.0)	14/50(28.0)
Adjusted rates(b)	31.25	24.32	36.11	33.33
Terminal rates(c)	10/32(31.3)	8/34(23.5)	12/35(34.3)	12/36(33.3)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.2021			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.4654			
Fisher Exact test(e)		P = 0.4049	P = 0.2522	P = 0.4100
SITE : thyroid				
TUMOR : C-cell carcinoma				
Tumor rate				
Overall rates(a)	6/50(12.0)	1/50(2.0)	1/50(2.0)	4/50(8.0)
Adjusted rates(b)	15.62	2.94	2.86	11.11
Terminal rates(c)	5/32(15.6)	1/34(2.9)	1/35(2.9)	4/36(11.1)
Statistical analysis				
Peto test				
Standard method(d)	P = 1.0000 ?			
Prevalence method(d)	P = 0.4532			
Combined analysis(d)	P = 0.5701			
Cochran-Armitage test(e)	P = 0.9251			
Fisher Exact test(e)		P = 0.0559	P = 0.0559	P = 0.3703
SITE : thyroid				
TUMOR : C-cell adenoma,C-cell carcinoma				
Tumor rate				
Overall rates(a)	17/50(34.0)	10/50(20.0)	17/50(34.0)	17/50(34.0)
Adjusted rates(b)	43.75	24.32	38.89	41.67
Terminal rates(c)	14/32(43.8)	8/34(23.5)	13/35(37.1)	15/36(41.7)
Statistical analysis				
Peto test				
Standard method(d)	P = 1.0000 ?			
Prevalence method(d)	P = 0.1953			
Combined analysis(d)	P = 0.2439			
Cochran-Armitage test(e)	P = 0.5151			
Fisher Exact test(e)		P = 0.0880	P = 0.5835	P = 0.5835

Group Name	Control	4 ppm	10 ppm	25 ppm
SITE : adrenal gland				
TUMOR : pheochromocytoma				
Tumor rate				
Overall rates(a)	3/50(6.0)	2/50(4.0)	3/50(6.0)	3/50(6.0)
Adjusted rates(b)	9.38	5.41	8.57	7.50
Terminal rates(c)	3/32(9.4)	1/34(2.9)	3/35(8.6)	2/36(5.6)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.4203			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.8510			
Fisher Exact test(e)		P = 0.5000	P = 0.6611	P = 0.6611
SITE : adrenal gland				
TUMOR : pheochromocytoma,pheochromocytoma:malignant				
Tumor rate				
Overall rates(a)	4/50(8.0)	4/50(8.0)	5/50(10.0)	4/50(8.0)
Adjusted rates(b)	12.50	10.81	11.43	10.00
Terminal rates(c)	4/32(12.5)	3/34(8.8)	4/35(11.4)	3/36(8.3)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.3681			
Prevalence method(d)	P = 0.5024			
Combined analysis(d)	P = 0.4946			
Cochran-Armitage test(e)	P = 0.9947			
Fisher Exact test(e)		P = 0.6425	P = 0.5000	P = 0.6425
SITE : testis				
TUMOR : interstitial cell tumor				
Tumor rate				
Overall rates(a)	45/50(90.0)	46/50(92.0)	46/50(92.0)	40/50(80.0)
Adjusted rates(b)	97.30	100.00	100.00	92.11
Terminal rates(c)	31/32(96.9)	34/34(100.0)	35/35(100.0)	33/36(91.7)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.9328			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.0564			
Fisher Exact test(e)		P = 0.5000	P = 0.5000	P = 0.1312

Group Name	Control	4 ppm	10 ppm	25 ppm
SITE : bone				
TUMOR : osteosarcoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	1/50(2.0)	3/50(6.0)	0/50(0.0)
Adjusted rates(b)	0.00	0.00	0.00	0.00
Terminal rates(c)	0/32(0.0)	0/34(0.0)	0/35(0.0)	0/36(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.5717			
Prevalence method(d)	P = ------			
Combined analysis(d)	P = 0.5717			
Cochran-Armitage test(e)	P = 0.7903			
Fisher Exact test(e)		P = 0.5000	P = 0.1212	P = N.C.
SITE : peritoneum				
TUMOR : mesothelioma				
Tumor rate				
Overall rates(a)	1/50(2.0)	3/50(6.0)	0/50(0.0)	2/50(4.0)
Adjusted rates(b)	0.00	6.67	0.00	5.56
Terminal rates(c)	0/32(0.0)	2/34(5.9)	0/35(0.0)	2/36(5.6)
Statistical analysis				
Peto test				
Standard method(d)	P = 1.0000 ?			
Prevalence method(d)	P = 0.2374			
Combined analysis(d)	P = 0.4017			
Cochran-Armitage test(e)	P = 0.8786			
Fisher Exact test(e)		P = 0.3086	P = 0.5000	P = 0.5000

(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	4 ppm	10 ppm	25 ppm
SITE : lung				
TUMOR : bronchiolar-alveolar adenoma,bronchiolar-alveolar carcinoma				
Tumor rate				
Overall rates(a)	0/50(0.0)	1/50(2.0)	3/50(6.0)	2/50(4.0)
Adjusted rates(b)	0.00	2.33	7.69	4.44
Terminal rates(c)	0/39(0.0)	1/43(2.3)	3/39(7.7)	2/45(4.4)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.1678			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.2657			
Fisher Exact test(e)		P = 0.5000	P = 0.1212	P = 0.2475
SITE : spleen				
TUMOR : mononuclear cell leukemia				
Tumor rate				
Overall rates(a)	6/50(12.0)	2/50(4.0)	5/50(10.0)	5/50(10.0)
Adjusted rates(b)	7.69	2.33	0.00	6.67
Terminal rates(c)	3/39(7.7)	1/43(2.3)	0/39(0.0)	3/45(6.7)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.5533			
Prevalence method(d)	P = 0.3669			
Combined analysis(d)	P = 0.4667			
Cochran-Armitage test(e)	P = 0.8453			
Fisher Exact test(e)		P = 0.1343	P = 0.5000	P = 0.5000
SITE : pancreas				
TUMOR : islet cell adenoma				
Tumor rate				
Overall rates(a)	3/50(6.0)	0/50(0.0)	1/50(2.0)	1/50(2.0)
Adjusted rates(b)	7.69	0.00	2.56	2.22
Terminal rates(c)	3/39(7.7)	0/43(0.0)	1/39(2.6)	1/45(2.2)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.7538			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.5120			
Fisher Exact test(e)		P = 0.1212	P = 0.3086	P = 0.3086

Group Name	Control	4 ppm	10 ppm	25 ppm
SITE : pancreas				
TUMOR : islet cell adenoma,islet cell adenocarcinoma				
Tumor rate				
Overall rates(a)	3/50(6.0)	0/50(0.0)	1/50(2.0)	2/50(4.0)
Adjusted rates(b)	7.69	0.00	2.56	4.44
Terminal rates(c)	3/39(7.7)	0/43(0.0)	1/39(2.6)	2/45(4.4)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.4976			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.9478			
Fisher Exact test(e)		P = 0.1212	P = 0.3086	P = 0.5000
SITE : pituitary gland				
TUMOR : adenoma				
Tumor rate				
Overall rates(a)	7/50(14.0)	8/50(16.0)	7/50(14.0)	5/50(10.0)
Adjusted rates(b)	12.20	16.28	17.95	11.11
Terminal rates(c)	4/39(10.3)	7/43(16.3)	7/39(17.9)	5/45(11.1)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.9604			
Prevalence method(d)	P = 0.6521			
Combined analysis(d)	P = 0.8216			
Cochran-Armitage test(e)	P = 0.4296			
Fisher Exact test(e)		P = 0.5000	P = 0.6129	P = 0.3798
SITE : pituitary gland				
TUMOR : adenoma,adenocarcinoma				
Tumor rate				
Overall rates(a)	7/50(14.0)	8/50(16.0)	8/50(16.0)	7/50(14.0)
Adjusted rates(b)	12.20	16.28	20.51	11.11
Terminal rates(c)	4/39(10.3)	7/43(16.3)	8/39(20.5)	5/45(11.1)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.4015			
Prevalence method(d)	P = 0.6502			
Combined analysis(d)	P = 0.6017			
Cochran-Armitage test(e)	P = 0.9087			
Fisher Exact test(e)		P = 0.5000	P = 0.5000	P = 0.6129

Group Name	Control	4 ppm	10 ppm	25 ppm
SITE : thyroid				
TUMOR : C-cell adenoma				
Tumor rate				
Overall rates(a)	13/50(26.0)	15/50(30.0)	8/50(16.0)	10/50(20.0)
Adjusted rates(b)	31.71	31.82	17.95	22.22
Terminal rates(c)	12/39(30.8)	13/43(30.2)	7/39(17.9)	10/45(22.2)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.8768			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.3006			
Fisher Exact test(e)		P = 0.4120	P = 0.1631	P = 0.3176
SITE : thyroid				
TUMOR : C-cell carcinoma				
Tumor rate				
Overall rates(a)	4/50(8.0)	1/50(2.0)	0/50(0.0)	2/50(4.0)
Adjusted rates(b)	10.00	2.33	0.00	4.44
Terminal rates(c)	3/39(7.7)	1/43(2.3)	0/39(0.0)	2/45(4.4)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.7335			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.5637			
Fisher Exact test(e)		P = 0.1811	P = 0.0587	P = 0.3389
SITE : thyroid				
TUMOR : C-cell adenoma,C-cell carcinoma				
Tumor rate				
Overall rates(a)	17/50(34.0)	16/50(32.0)	8/50(16.0)	11/50(22.0)
Adjusted rates(b)	41.46	34.09	17.95	24.44
Terminal rates(c)	15/39(38.5)	14/43(32.6)	7/39(17.9)	11/45(24.4)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.9516			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.1352			
Fisher Exact test(e)		P = 0.5000	P = 0.0317*	P = 0.1327

Group Name	Control	4 ppm	10 ppm	25 ppm
SITE : uterus				
TUMOR : endometrial stromal polyp				
Tumor rate				
Overall rates(a)	10/50(20.0)	6/50(12.0)	11/50(22.0)	10/50(20.0)
Adjusted rates(b)	25.64	11.11	24.44	21.28
Terminal rates(c)	10/39(25.6)	4/43(9.3)	9/39(23.1)	9/45(20.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.5459			
Prevalence method(d)	P = 0.3249			
Combined analysis(d)	P = 0.3673			
Cochran-Armitage test(e)	P = 0.6557			
Fisher Exact test(e)		P = 0.2070	P = 0.5000	P = 0.5984
SITE : mammary gland				
TUMOR : fibroadenoma				
Tumor rate				
Overall rates(a)	1/50(2.0)	4/50(8.0)	3/50(6.0)	2/50(4.0)
Adjusted rates(b)	2.56	6.98	6.98	4.44
Terminal rates(c)	1/39(2.6)	3/43(7.0)	2/39(5.1)	2/45(4.4)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.5581			
Prevalence method(d)	P = 0.4497			
Combined analysis(d)	P = 0.5278			
Cochran-Armitage test(e)	P = 0.9591			
Fisher Exact test(e)		P = 0.1811	P = 0.3086	P = 0.5000

Group Name	Control	4 ppm	10 ppm	25 ppm
SITE : mammary gland				
TUMOR : adenoma,fibroadenoma,adenocarcinoma				
Tumor rate				
Overall rates(a)	1/50(2.0)	4/50(8.0)	4/50(8.0)	4/50(8.0)
Adjusted rates(b)	2.56	6.98	6.98	8.89
Terminal rates(c)	1/39(2.6)	3/43(7.0)	2/39(5.1)	4/45(8.9)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.6051			
Prevalence method(d)	P = 0.1500			
Combined analysis(d)	P = 0.2127			
Cochran-Armitage test(e)	P = 0.3770			
Fisher Exact test(e)		P = 0.1811	P = 0.1811	P = 0.1811

(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 MALE RATS

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

Organs Tumors	No. of animals examined	No. of animals bearing tumor	Incidence (%)	Min.－Max. (%)
Liver	550			
Hepatocellular adenoma		15	2.7	0 － 8

11 carcinogenicity studies examined in Japan Bioassay Research Center were used.
Study No.： 0731, 0753, 0774, 0794, 0800, 0816, 0831, 0849 , 0877, 0883, 0914

TABLE O1

HISTOPATHOLOGICAL FINDINGS :

METASTASIS OF TUMORS : MALE

Organ	Findings	Group Name / No. of Animals on Study	Control	4 ppm	10 ppm	25 ppm
			50	50	50	50
{Integumentary system/appandage}						
subcutis			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	1	0
{Respiratory system}						
nasal cavit			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	0	0	0
lung			<50>	<50>	<50>	<50>
	leukemic cell infiltration		10	10	14	14
	metastasis:thyroid tumor		1	0	0	0
	metastasis:peritoneum tumor		0	1	0	0
	metastasis:bone tumor		0	0	2	0
	metastasis:vertebra tumor		0	1	0	0
{Hematopoietic system}						
bone marrow			<50>	<50>	<50>	<50>
	leukemic cell infiltration		10	7	10	12
lymph node			<50>	<50>	<50>	<50>
	leukemic cell infiltration		3	1	5	8
spleen			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	2	0	0
	metastasis:bone tumor		0	0	1	0
	metastasis:bone marrow 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 / No. of Animals on Study	Control	4 ppm	10 ppm	25 ppm
			50	50	50	50
{Circulatory system}						
heart			<50>	<50>	<50>	<50>
	leukemic cell infiltration		3	0	2	4
{Digestive system}						
tongue			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	0	1
stomach			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	0	1
small intes			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	0	0	0
large intes			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	0	1	0
liver			<50>	<50>	<50>	<50>
	leukemic cell infiltration		10	11	14	14
	metastasis:peritoneum tumor		0	1	0	0
	metastasis:bone tumor		0	0	1	0
	metastasis:bone marrow tumor		1	0	0	0
pancreas			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	1	1
	metastasis:bone tumor		0	0	1	0
{Urinary system}						
kidney			<50>	<50>	<50>	<50>
	leukemic cell infiltration		3	2	5	4

< 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	4 ppm 50	10 ppm 50	25 ppm 50
{Urinary system}						
urin bladd			<50>	<50>	<50>	<50>
	leukemic cell infiltration		2	0	0	3
{Endocrine system}						
pituitary			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	0	1	2
adrenal			<50>	<50>	<50>	<50>
	leukemic cell infiltration		2	1	5	4
{Reproductive system}						
testis			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	0	1
epididymis			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	0	1
prostate			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	0	2
{Nervous system}						
brain			<50>	<50>	<50>	<50>
	leukemic cell infiltration		3	0	1	3
spinal cord			<50>	<50>	<50>	<50>
	leukemic cell infiltration		3	0	0	1
{Body cavities}						
pleura			<50>	<50>	<50>	<50>
	metastasis:bone tumor		0	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	4 ppm	10 ppm	25 ppm
			50	50	50	50
{Body cavities}						
pleura			<50>	<50>	<50>	<50>
	metastasis:lung tumor		0	0	0	1
peritoneum			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	0	1
	metastasis:bone tumor		0	0	1	0
	metastasis:lung tumor		0	0	0	1

< 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 50	4 ppm 50	10 ppm 50	25 ppm 50
{Integumentary system/appandage}						
subcutis			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	1	0
{Respiratory system}						
lung			<50>	<50>	<50>	<50>
	leukemic cell infiltration		6	2	5	4
	metastasis:peritoneum tumor		0	0	0	1
	metastasis:kidney tumor		1	0	0	0
{Hematopoietic system}						
bone marrow			<50>	<50>	<50>	<50>
	leukemic cell infiltration		2	1	5	3
lymph node			<50>	<50>	<50>	<50>
	leukemic cell infiltration		3	0	4	1
thymus			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	1	0
{Circulatory system}						
heart			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	2	1
{Digestive system}						
stomach			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	1	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	4 ppm 50	10 ppm 50	25 ppm 50
{Digestive system}						
liver			<50>	<50>	<50>	<50>
	leukemic cell infiltration		6	1	5	5
	metastasis:peritoneum tumor		0	0	0	1
pancreas			<50>	<50>	<50>	<50>
	leukemic cell infiltration		2	0	2	0
	metastasis:peritoneum tumor		0	1	0	1
{Urinary system}						
kidney			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	0	2	1
urin bladd			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	1	0
{Endocrine system}						
pituitary			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	1	0
adrenal			<50>	<50>	<50>	<50>
	leukemic cell infiltration		3	0	4	2
{Reproductive system}						
ovary			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	0	1	1
uterus			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	1	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	4 ppm 50	10 ppm 50	25 ppm 50
{Reproductive system}						
uterus			<50>	<50>	<50>	<50>
	metastasis:peritoneum tumor		0	0	0	1
mammary gl			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	1	0
{Nervous system}						
brain			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	3	1
spinal cord			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	1	1
{Body cavities}						
pleura			<50>	<50>	<50>	<50>
	leukemic cell infiltration		1	0	1	0
peritoneum			<50>	<50>	<50>	<50>
	leukemic cell infiltration		0	0	1	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				4 ppm				10 ppm				25 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>			
	mineralization		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)
	inflammatory infiltration		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)
	scab		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)	(0)	(0)	(0)	(0)
{Respiratory system}																		
nasal cavit			<50>				<50>				<50>				<50>			
	inflammation		12	1	0	0	12	0	0	0	0	0	0	0 **	1	0	0	0 **
			(24)	(2)	(0)	(0)	(24)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
	rhinitis		0	0	0	0	10	3	0	0 **	30	20	0	0 **	4	43	3	0 **
			(0)	(0)	(0)	(0)	(20)	(6)	(0)	(0)	(60)	(40)	(0)	(0)	(8)	(86)	(6)	(0)
	inflammation:foreign body		22	2	1	0	17	1	0	0	12	0	0	0 *	15	0	0	0
			(44)	(4)	(2)	(0)	(34)	(2)	(0)	(0)	(24)	(0)	(0)	(0)	(30)	(0)	(0)	(0)
	squamous cell metaplasia:respiratory epithelium		1	0	0	0	10	0	0	0 *	36	3	0	0 **	50	0	0	0 **
			(2)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(72)	(6)	(0)	(0)	(100)	(0)	(0)	(0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
< a > a : Number of animals examined at the site
  b   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 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	4 ppm 1+ (%)	4 ppm 2+ (%)	4 ppm 3+ (%)	4 ppm 4+ (%)	10 ppm 1+ (%)	10 ppm 2+ (%)	10 ppm 3+ (%)	10 ppm 4+ (%)	25 ppm 1+ (%)	25 ppm 2+ (%)	25 ppm 3+ (%)	25 ppm 4+ (%)
{Respiratory system}																		
nasal cavit			<50>				<50>				<50>				<50>			
	necrosis:olfactory epithelium		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)
larynx			<50>				<50>				<50>				<50>			
	ulcer		0 (0)	1 (2)	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)
	inflammation		10 (20)	0 (0)	0 (0)	0 (0)	7 (14)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)	5 (10)	0 (0)	0 (0)	0 (0)
	inflammation:foreign body		7 (14)	0 (0)	0 (0)	0 (0)	6 (12)	0 (0)	0 (0)	0 (0)	6 (12)	0 (0)	0 (0)	0 (0)	7 (14)	0 (0)	0 (0)	0 (0)
lung			<50>				<50>				<50>				<50>			
	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)
	inflammatory infiltration		4 (8)	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)
	accumulation of foamy cells		1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	3 (6)	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				4 ppm				10 ppm				25 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}																		
lung			<50>				<50>				<50>				<50>			
	bronchopneumonia		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)
	bronchiolar-alveolar cell hyperplasia		5	0	0	0	2	0	0	0	0	0	0	0	2	0	0	0
			(10)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)
	infiltration:alveolar macrophage		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)
{Hematopoietic system}																		
bone marrow			<50>				<50>				<50>				<50>			
	inflammatory infiltration		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)
	granulation		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)
	increased hematopoiesis		4	0	0	0	10	0	0	0	4	0	0	0	5	0	0	0
			(8)	(0)	(0)	(0)	(20)	(0)	(0)	(0)	(8)	(0)	(0)	(0)	(10)	(0)	(0)	(0)
lymph node			<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)

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				4 ppm				10 ppm				25 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}																		
lymph node			<50>				<50>				<50>				<50>			
	granulation		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)
spleen			<50>				<50>				<50>				<50>			
	congestion		3	0	0	0	2	0	0	0	3	0	0	0	2	0	0	0
			(6)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(4)	(0)	(0)	(0)
	deposit of hemosiderin		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)
	inflammatory infiltration		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)
	granulation		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)
	fibrosis:focal		1	0	0	0	1	0	0	0	2	2	0	0	1	0	0	0
			(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(4)	(4)	(0)	(0)	(2)	(0)	(0)	(0)
	extramedullary hematopoiesis		8	3	0	0	4	5	0	0	5	1	0	0	4	1	0	0
			(16)	(6)	(0)	(0)	(8)	(10)	(0)	(0)	(10)	(2)	(0)	(0)	(8)	(2)	(0)	(0)
{Circulatory system}																		
heart			<50>				<50>				<50>				<50>			
	thrombus		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)

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				4 ppm				10 ppm				25 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+ (%)
{Circulatory system}																		
heart			<50>				<50>				<50>				<50>			
	myocardial fibrosis		6	0	0	0	4	0	0	0	7	0	0	0	5	0	0	0
			(12)	(0)	(0)	(0)	(8)	(0)	(0)	(0)	(14)	(0)	(0)	(0)	(10)	(0)	(0)	(0)
	hyperplasia:Schwann cell		0	0	0	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)
{Digestive system}																		
stomach			<50>				<50>				<50>				<50>			
	ulcer:forestomach		1	4	1	0	0	1	1	0	1	0	1	0	1	2	0	0
			(2)	(8)	(2)	(0)	(0)	(2)	(2)	(0)	(2)	(0)	(2)	(0)	(2)	(4)	(0)	(0)
	erosion:glandular stomach		0	0	0	0	3	0	0	0	1	0	1	0	2	2	0	0
			(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(2)	(0)	(2)	(0)	(4)	(4)	(0)	(0)
	mineralization:glandular stomach		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:forestomach		1	0	0	0	1	2	0	0	0	0	0	0	2	0	1	0
			(2)	(0)	(0)	(0)	(2)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(2)	(0)
small intes			<50>				<50>				<50>				<50>			
	ulcer		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)

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+ (%)	4 ppm 50 1+ (%)	4 ppm 50 2+ (%)	4 ppm 50 3+ (%)	4 ppm 50 4+ (%)	10 ppm 50 1+ (%)	10 ppm 50 2+ (%)	10 ppm 50 3+ (%)	10 ppm 50 4+ (%)	25 ppm 50 1+ (%)	25 ppm 50 2+ (%)	25 ppm 50 3+ (%)	25 ppm 50 4+ (%)
{Digestive system}																		
liver		<50>					<50>				<50>				<50>			
	herniation		16 (32)	0 (0)	0 (0)	0 (0)	6 (12)	0 (0)	0 (0)	0 * (0)	8 (16)	0 (0)	0 (0)	0 (0)	6 (12)	0 (0)	0 (0)	0 * (0)
	angiectasis		2 (4)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	3 (6)	1 (2)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	necrosis:central		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)	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		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)
	granulomatous inflammation		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)
	inflammation:foreign body		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)
	extramedullary hematopoiesis		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)

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+ (%)	4 ppm 50 1+ (%)	4 ppm 50 2+ (%)	4 ppm 50 3+ (%)	4 ppm 50 4+ (%)	10 ppm 50 1+ (%)	10 ppm 50 2+ (%)	10 ppm 50 3+ (%)	10 ppm 50 4+ (%)	25 ppm 50 1+ (%)	25 ppm 50 2+ (%)	25 ppm 50 3+ (%)	25 ppm 50 4+ (%)
{Digestive system}																		
liver		<50>																
	clear cell focus		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)
	acidophilic cell focus		16 (32)	4 (8)	0 (0)	0 (0)	8 (16)	3 (6)	4 (8)	0 (0)	11 (22)	2 (4)	1 (2)	0 (0)	6 (12)	5 (10)	0 (0)	0 (0)
	basophilic cell focus		4 (8)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	7 (14)	0 (0)	0 (0)	0 (0)
	spongiosis hepatis		5 (10)	0 (0)	0 (0)	0 (0)	5 (10)	1 (2)	0 (0)	0 (0)	7 (14)	1 (2)	1 (2)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)
	bile duct hyperplasia		5 (10)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
	bile ductular proliferation		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)
	cholangiofibrosis		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)
	focal fatty change		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	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 / Grade	Control	4 ppm	10 ppm	25 ppm
		No. of Animals on Study	50	50	50	50
		1+ (%)				
		2+ (%)				
		3+ (%)				
		4+ (%)				
{Digestive system}						
pancreas			<50>	<50>	<50>	<50>
	atrophy:focal	1+	3 (6)	1 (2)	1 (2)	4 (8)
		2+	1 (2)	1 (2)	0 (0)	0 (0)
		3+	0 (0)	0 (0)	0 (0)	0 (0)
		4+	0 (0)	0 (0)	0 (0)	0 (0)
	islet cell hyperplasia	1+	2 (4)	1 (2)	1 (2)	0 (0)
		2+	0 (0)	0 (0)	0 (0)	0 (0)
		3+	1 (2)	0 (0)	0 (0)	0 (0)
		4+	0 (0)	0 (0)	0 (0)	0 (0)
	hyperplasia:ductal cell	1+	0 (0)	0 (0)	0 (0)	0 (0)
		2+	1 (2)	0 (0)	0 (0)	0 (0)
		3+	0 (0)	0 (0)	0 (0)	0 (0)
		4+	0 (0)	0 (0)	0 (0)	0 (0)
{Urinary system}						
kidney			<50>	<50>	<50>	<50>
	infarct	1+	0 (0)	0 (0)	1 (2)	1 (2)
		2+	1 (2)	0 (0)	0 (0)	0 (0)
		3+	0 (0)	0 (0)	0 (0)	0 (0)
		4+	0 (0)	0 (0)	0 (0)	0 (0)
	hyaline droplet	1+	0 (0)	0 (0)	0 (0)	1 (2)
		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)
	inflammatory infiltration	1+	1 (2)	0 (0)	0 (0)	0 (0)
		2+	0 (0)	0 (0)	0 (0)	0 (0)
		3+	0 (0)	0 (0)	0 (0)	0 (0)
		4+	0 (0)	0 (0)	0 (0)	0 (0)
	scar	1+	0 (0)	0 (0)	0 (0)	2 (4)
		2+	1 (2)	0 (0)	0 (0)	0 (0)
		3+	0 (0)	0 (0)	0 (0)	0 (0)
		4+	0 (0)	0 (0)	0 (0)	0 (0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
< a > a : Number of animals examined at the site
b b : Number of animals with lesion
(c) c : b / a * 100
Significant difference ; * : P ≦ 0.05 ** : P ≦ 0.01 Test of Chi Square

Organ	Findings	Group Name / Grade	Control				4 ppm				10 ppm				25 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+ (%)
{Urinary system}																		
kidney			<50>				<50>				<50>				<50>			
	chronic nephropathy		29 (58)	10 (20)	5 (10)	0 (0)	28 (56)	11 (22)	1 (2)	0 (0)	29 (58)	9 (18)	1 (2)	0 (0)	28 (56)	4 (8)	1 (2)	0 * (0)
	urothelial hyperplasia:pelvis		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)
	atypical tubule hyperplasia		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)
	eosinophilic droplet:proximal tubule		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)	1 (2)	0 (0)	0 (0)
urin bladd			<50>				<50>				<50>				<50>			
	dilatation		0 (0)	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)
{Endocrine system}																		
pituitary			<50>				<50>				<50>				<50>			
	angiectasis		1 (2)	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)

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				4 ppm				10 ppm				25 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+ (%)
{Endocrine system}																		
pituitary			<50>				<50>				<50>				<50>			
	cyst		2	0	0	0	2	0	0	0	4	0	0	0	1	0	0	0
			(4)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(8)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
	hyperplasia:anterior lobe		9	5	2	0	8	4	3	0	10	2	5	0	12	4	6	0
			(18)	(10)	(4)	(0)	(16)	(8)	(6)	(0)	(20)	(4)	(10)	(0)	(24)	(8)	(12)	(0)
	cystic degeneration:anterior lobe		3	1	0	0	2	0	0	0	2	0	0	0	2	0	0	0
			(6)	(2)	(0)	(0)	(4)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(4)	(0)	(0)	(0)
thyroid			<50>				<50>				<50>				<50>			
	follicular hyperplasia		0	0	0	0	0	1	0	0	1	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
	C-cell hyperplasia		13	3	0	0	7	4	2	0	12	6	0	0	6	6	2	0
			(26)	(6)	(0)	(0)	(14)	(8)	(4)	(0)	(24)	(12)	(0)	(0)	(12)	(12)	(4)	(0)
adrenal			<50>				<50>				<50>				<50>			
	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)
	cyst		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 / Grade	Control				4 ppm				10 ppm				25 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+ (%)
{Endocrine system}																		
adrenal			<50>				<50>				<50>				<50>			
	hyperplasia:cortical cell		1 (2)	2 (4)	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)
	hyperplasia:medulla		1 (2)	3 (6)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	3 (6)	1 (2)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	focal fatty change:cortex		1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)
{Reproductive system}																		
testis			<50>				<50>				<50>				<50>			
	interstitial cell hyperplasia		2 (4)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
epididymis			<50>				<50>				<50>				<50>			
	stromal hyperplasia		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)
prostate			<50>				<50>				<50>				<50>			
	inflammation		1 (2)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	4 (8)	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+ (%)	4 ppm 1+ (%)	4 ppm 2+ (%)	4 ppm 3+ (%)	4 ppm 4+ (%)	10 ppm 1+ (%)	10 ppm 2+ (%)	10 ppm 3+ (%)	10 ppm 4+ (%)	25 ppm 1+ (%)	25 ppm 2+ (%)	25 ppm 3+ (%)	25 ppm 4+ (%)
{Reproductive system}																		
prostate		No. of Animals on Study	50				50				50				50			
	hyperplasia		8	0	0	0	7	1	0	0	7	1	0	0	8	2	0	0
			(16)	(0)	(0)	(0)	(14)	(2)	(0)	(0)	(14)	(2)	(0)	(0)	(16)	(4)	(0)	(0)
{Nervous system}																		
brain		No. of Animals on Study	50				50				50				50			
	hemorrhage		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)
	necrosis: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)
	mineralization		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)
{Special sense organs/appendage}																		
eye		No. of Animals on Study	50				50				50				50			
	hemorrhage		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)

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				4 ppm				10 ppm				25 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+ (%)
{Special sense organs/appendage}																		
eye			<50>				<50>				<50>				<50>			
	cataract		0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)
	retinal atrophy		0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	1 (2)	0 (0)
	keratitis		1 (2)	1 (2)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	degeneration:cornea		4 (8)	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)
	mineralization:cornea		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)
Harder gl			<50>				<50>				<50>				<50>			
	inflammatory 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)
{Musculoskeletal system}																		
muscle			<50>				<50>				<50>				<50>			
	necrosis:focal		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)

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				4 ppm				10 ppm				25 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+ (%)
{Musculoskeletal system}																		
muscle			<50>				<50>				<50>				<50>			
	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)
bone			<50>				<50>				<50>				<50>			
	osteosclerosis		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)
{Body cavities}																		
peritoneum			<50>				<50>				<50>				<50>			
	inflammatory cell infiltration: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)
	peritonitis		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

TABLE P2

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : FEMALE

Organ	Findings	Group Name / Grade	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	4 ppm 1+ (%)	4 ppm 2+ (%)	4 ppm 3+ (%)	4 ppm 4+ (%)	10 ppm 1+ (%)	10 ppm 2+ (%)	10 ppm 3+ (%)	10 ppm 4+ (%)	25 ppm 1+ (%)	25 ppm 2+ (%)	25 ppm 3+ (%)	25 ppm 4+ (%)
{Integumentary system/appandage}																		
skin/app		No. of Animals on Study	50				50				50				50			
	scab		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		No. of Animals on Study	<50>				<50>				<50>				<50>			
	inflammation		12	1	0	0	20	1	0	0	0	0	0	0 **	0	0	0	0 **
			(24)	(2)	(0)	(0)	(40)	(2)	(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	2	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(0)
	rhinitis		0	0	0	0	0	0	0	0	48	2	0	0 **	5	45	0	0 **
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(96)	(4)	(0)	(0)	(10)	(90)	(0)	(0)
	inflammation:foreign body		1	0	0	0	6	0	0	0	1	1	0	0	3	0	0	0
			(2)	(0)	(0)	(0)	(12)	(0)	(0)	(0)	(2)	(2)	(0)	(0)	(6)	(0)	(0)	(0)
	squamous cell metaplasia:respiratory epithelium		0	0	0	0	0	0	0	0	15	0	0	0 **	50	0	0	0 **
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(30)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	thickening of bone:turbinate		1	0	0	0	2	0	0	0	1	1	0	0	1	0	0	0
			(2)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(2)	(2)	(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 / Grade	Control				4 ppm				10 ppm				25 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}																		
larynx			<50>				<50>				<50>				<50>			
	inflammation		14	0	0	0	6	0	0	0	3	0	0	0 **	2	0	0	0 **
			(28)	(0)	(0)	(0)	(12)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(4)	(0)	(0)	(0)
	hyperplasia: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)
	inflammation:foreign body		1	0	0	0	1	0	0	0	4	0	0	0	1	0	0	0
			(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(8)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
lung			<50>				<50>				<50>				<50>			
	hemorrhage		2	2	0	0	1	1	0	0	1	1	1	0	0	0	0	0
			(4)	(4)	(0)	(0)	(2)	(2)	(0)	(0)	(2)	(2)	(2)	(0)	(0)	(0)	(0)	(0)
	inflammatory infiltration		1	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0
			(2)	(0)	(0)	(0)	(8)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	granulation		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)
	accumulation of foamy cells		1	0	0	0	1	0	0	0	1	0	0	0	2	0	0	0
			(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(4)	(0)	(0)	(0)
	bronchiolar-alveolar cell hyperplasia		1	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0
			(2)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(6)	(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	Control				4 ppm				10 ppm				25 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}																		
lung			<50>				<50>				<50>				<50>			
	infiltration:alveolar macrophage		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)
{Hematopoietic system}																		
bone marrow			<50>				<50>				<50>				<50>			
	granulation		1	0	0	0	4	0	0	0	5	0	0	0	1	0	0	0
			(2)	(0)	(0)	(0)	(8)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
	increased hematopoiesis		3	0	0	0	4	0	0	0	4	0	0	0	2	0	0	0
			(6)	(0)	(0)	(0)	(8)	(0)	(0)	(0)	(8)	(0)	(0)	(0)	(4)	(0)	(0)	(0)
lymph node			<50>				<50>				<50>				<50>			
	lymphadenitis		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)
spleen			<50>				<50>				<50>				<50>			
	congestion		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)
	necrosis:focal		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)

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				4 ppm				10 ppm				25 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		5	0	0	0	6	2	0	0	1	4	0	0 *	5	0	0	0
			(10)	(0)	(0)	(0)	(12)	(4)	(0)	(0)	(2)	(8)	(0)	(0)	(10)	(0)	(0)	(0)
{Circulatory system}																		
heart			<50>				<50>				<50>				<50>			
	thrombus		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)
	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)
	hyperplasia:Schwann cell		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)
{Digestive system}																		
tongue			<50>				<50>				<50>				<50>			
	squamous cell hyperplasia		0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(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				4 ppm				10 ppm				25 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>			
	ulcer:forestomach		1	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0
			(2)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)
	erosion:glandular stomach		2	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
			(4)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
	ulcer:glandular stomach		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)	(0)	(0)	(0)	(0)
	hyperplasia:glandular stomach		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)
	squamous cell hyperplasia:forestomach		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)	(0)	(0)	(0)	(0)
small intes			<50>				<50>				<50>				<50>			
	ulcer		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)	(0)	(0)
liver			<50>				<50>				<50>				<50>			
	herniation		8	0	0	0	11	0	0	0	11	0	0	0	12	0	0	0
			(16)	(0)	(0)	(0)	(22)	(0)	(0)	(0)	(22)	(0)	(0)	(0)	(24)	(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				4 ppm				10 ppm				25 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+ (%)
{Digestive system}																		
liver			<50>				<50>				<50>				<50>			
	angiectasis		1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
			(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)
	necrosis:central		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)
	necrosis:focal		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)	(0)	(0)	(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)
	lymphocytic infiltration		1	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0
			(2)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)
	granulation		2	1	0	0	1	0	0	0	1	2	0	0	2	1	0	0
			(4)	(2)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(4)	(0)	(0)	(4)	(2)	(0)	(0)
	granulomatous inflammation		0	0	0	0	0	3	0	0	0	1	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)
	fibrosis:focal		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)	(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+ (%)	4 ppm 1+ (%)	4 ppm 2+ (%)	4 ppm 3+ (%)	4 ppm 4+ (%)	10 ppm 1+ (%)	10 ppm 2+ (%)	10 ppm 3+ (%)	10 ppm 4+ (%)	25 ppm 1+ (%)	25 ppm 2+ (%)	25 ppm 3+ (%)	25 ppm 4+ (%)
{Digestive system}																		
liver		No. of Animals on Study	50				50				50				50			
	extramedullary hematopoiesis	<50>	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(a)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	acidophilic cell focus	<50>	1	0	0	0	3	1	0	0	5	2	1	0	2	2	2	0
		(b)	(2)	(0)	(0)	(0)	(6)	(2)	(0)	(0)	(10)	(4)	(2)	(0)	(4)	(4)	(4)	(0)
	basophilic cell focus	<50>	20	6	1	0	20	5	0	0	21	7	0	0	28	5	0	0
		(c)	(40)	(12)	(2)	(0)	(40)	(10)	(0)	(0)	(42)	(14)	(0)	(0)	(56)	(10)	(0)	(0)
	cholangiofibrosis	<50>	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0
		(a)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)
	focal fatty change	<50>	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0
		(a)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
pancreas		No. of Animals on Study	50				50				50				50			
	atrophy:focal	<50>	1	0	0	0	2	0	0	0	2	0	0	0	1	0	0	0
		(a)	(2)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
	islet cell hyperplasia	<50>	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0
		(a)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(2)	(0)	(0)	(0)
{Urinary system}																		
kidney		No. of Animals on Study	50				50				50				50			
	scar	<50>	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
		(a)	(0)	(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 / Grade	Control	4 ppm	10 ppm	25 ppm
		No. of Animals on Study	50	50	50	50
		1+ (%)	13 (26)	7 (14)	8 (16)	3 (6)
		2+ (%)	0 (0)	1 (2)	1 (2)	1 (2)
		3+ (%)	1 (2)	2 (4)	0 (0)	0 (0)
		4+ (%)	0 (0)	0 (0)	0 (0)	0 * (0)
{Urinary system}						
kidney			<50>	<50>	<50>	<50>
	chronic nephropathy		13 (26)	7 (14)	8 (16)	3 (6)
			0 (0)	1 (2)	1 (2)	1 (2)
			1 (2)	2 (4)	0 (0)	0 (0)
			0 (0)	0 (0)	0 (0)	0 * (0)
	mineralization:cortico-medullary junction		5 (10)	2 (4)	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)
urin bladd			<50>	<50>	<50>	<50>
	dilatation		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)
	hemorrhage		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)
{Endocrine system}						
pituitary			<50>	<50>	<50>	<50>
	angiectasis		0 (0)	3 (6)	1 (2)	2 (4)
			0 (0)	1 (2)	3 (6)	3 (6)
			0 (0)	0 (0)	0 (0)	0 (0)
			0 (0)	0 (0)	0 (0)	0 (0)
	cyst		2 (4)	1 (2)	0 (0)	6 (12)
			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				4 ppm				10 ppm				25 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+ (%)
{Endocrine system}																		
pituitary			<50>				<50>				<50>				<50>			
	hyperplasia:anterior lobe		3 (6)	6 (12)	3 (6)	0 (0)	3 (6)	4 (8)	1 (2)	0 (0)	0 (0)	1 (2)	5 (10)	0 (0)	7 (14)	3 (6)	2 (4)	0 (0)
	cystic degeneration:anterior lobe		8 (16)	0 (0)	0 (0)	0 (0)	13 (26)	0 (0)	0 (0)	0 (0)	11 (22)	2 (4)	0 (0)	0 (0)	9 (18)	1 (2)	0 (0)	0 (0)
thyroid			<50>				<50>				<50>				<50>			
	C-cell hyperplasia		10 (20)	2 (4)	1 (2)	0 (0)	13 (26)	3 (6)	0 (0)	0 (0)	14 (28)	2 (4)	1 (2)	0 (0)	12 (24)	5 (10)	2 (4)	0 (0)
adrenal			<50>				<50>				<50>				<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)	0 (0)	0 (0)	0 (0)	0 (0)
	angiectasis		4 (8)	1 (2)	0 (0)	0 (0)	1 (2)	2 (4)	0 (0)	0 (0)	6 (12)	0 (0)	0 (0)	0 (0)	6 (12)	0 (0)	0 (0)	0 (0)
	necrosis:focal		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)	0 (0)
	extramedullary hematopoiesis		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)	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				4 ppm				10 ppm				25 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+ (%)
{Endocrine system}																		
adrenal		<50>				<50>				<50>				<50>				
	hyperplasia:cortical cell	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)	(0)	(0)	(0)	(0)	(0)	
	focal fatty change:cortex	2	1	0	0	6	1	0	0	0	0	0	0	3	2	0	0	
		(4)	(2)	(0)	(0)	(12)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(6)	(4)	(0)	(0)	
	fatty change:corticomedullary junction	1	0	0	0	0	1	0	0	2	0	0	0	2	1	0	0	
		(2)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(4)	(0)	(0)	(0)	(4)	(2)	(0)	(0)	
{Reproductive system}																		
ovary		<50>				<50>				<50>				<50>				
	congestion	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)	
	cyst	1	0	0	0	3	1	0	0	2	0	0	0	1	0	0	0	
		(2)	(0)	(0)	(0)	(6)	(2)	(0)	(0)	(4)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	
uterus		<50>				<50>				<50>				<50>				
	fibrosis: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)	

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+ (%)	4 ppm 1+ (%)	4 ppm 2+ (%)	4 ppm 3+ (%)	4 ppm 4+ (%)	10 ppm 1+ (%)	10 ppm 2+ (%)	10 ppm 3+ (%)	10 ppm 4+ (%)	25 ppm 1+ (%)	25 ppm 2+ (%)	25 ppm 3+ (%)	25 ppm 4+ (%)
{Reproductive system}																		
uterus		No. of Animals on Study	50				50				50				50			
	cystic endometrial hyperplasia	<a>	4	0	0	0	9	1	0	0	5	0	0	0	2	0	0	0
		(c)	(8)	(0)	(0)	(0)	(18)	(2)	(0)	(0)	(10)	(0)	(0)	(0)	(4)	(0)	(0)	(0)
vagina		No. of Animals on Study	50				50				50				50			
	squamous cell hyperplasia	<a>	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(c)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
mammary gl		No. of Animals on Study	50				50				50				50			
	hyperplasia	<a>	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)
{Nervous system}																		
brain		No. of Animals on Study	50				50				50				50			
	hemorrhage	<a>	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
		(c)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
spinal cord		No. of Animals on Study	50				50				50				50			
	hemorrhage	<a>	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
		(c)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Special sense organs/appendage}																		
eye		No. of Animals on Study	50				50				50				50			
	cataract	<a>	3	1	0	0	0	0	0	0	2	0	0	0	0	1	0	0
		(c)	(6)	(2)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(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	4 ppm	10 ppm	25 ppm
		No. of Animals on Study	50	50	50	50
		1+ (%)	1 (2)	0 (0)	0 (0)	0 (0)
		2+ (%)	0 (0)	0 (0)	0 (0)	0 (0)
		3+ (%)	4 (8)	0 (0)	2 (4)	1 (2)
		4+ (%)	0 (0)	0 (0)	0 (0)	0 (0)
{Special sense organs/appendage}						
eye			<50>	<50>	<50>	<50>
	retinal atrophy	1+ (%)	1 (2)	0 (0)	0 (0)	0 (0)
		2+ (%)	0 (0)	0 (0)	0 (0)	0 (0)
		3+ (%)	4 (8)	0 (0)	2 (4)	1 (2)
		4+ (%)	0 (0)	0 (0)	0 (0)	0 (0)
	keratitis	1+ (%)	3 (6)	0 (0)	1 (2)	1 (2)
		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)
	degeneration:cornea	1+ (%)	2 (4)	1 (2)	0 (0)	0 (0)
		2+ (%)	0 (0)	0 (0)	0 (0)	0 (0)
		3+ (%)	0 (0)	0 (0)	0 (0)	0 (0)
		4+ (%)	0 (0)	0 (0)	0 (0)	0 (0)
Harder gl			<50>	<50>	<50>	<50>
	degeneration	1+ (%)	0 (0)	0 (0)	0 (0)	1 (2)
		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)
	inflammatory infiltration	1+ (%)	0 (0)	0 (0)	0 (0)	1 (2)
		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+ (%)	4 (8)	9 (18)	4 (8)	3 (6)
		2+ (%)	6 (12)	3 (6)	2 (4)	2 (4)
		3+ (%)	0 (0)	0 (0)	0 (0)	0 (0)
		4+ (%)	0 (0)	0 (0)	0 (0)	0 (0)

Grade 1+ : Slight 2+ : Moderate 3+ : Marked 4+ : Severe
< a > a : Number of animals examined at the site
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TABLE Q1

CAUSE OF DEATH : MALE

COUSE OF DEATH (SUMMARY)
(0-105W)

Group Name	Control	4 ppm	10 ppm	25 ppm
Number of Dead and Moribund Animal	18	16	15	14
no microscop confirm	0	1	1	0
peritonitis	1	0	0	0
tumor d:leukemia	7	7	8	11
tumor d:skin/app	0	1	0	0
tumor d:subcutis	4	1	1	0
tumor d:lung	0	0	0	1
tumor d:bone marrow	1	0	0	0
tumor d:small intes	0	1	0	0
tumor d:liver	1	0	0	0
tumor d:kidney	0	0	0	1
tumor d:pituitary	2	0	1	0
tumor d:thyroid	1	0	0	0
tumor d:adrenal	0	0	1	0
tumor d:Zymbal gl	0	1	0	1
tumor d:bone	0	1	3	0
tumor d:peritoneum	1	1	0	0
tumor d:mal lymphoma	0	2	0	0

TABLE Q2

CAUSE OF DEATH : FEMALE

Group Name	Control	4 ppm	10 ppm	25 ppm
Number of Dead and Moribund Animal	11	7	11	5
no microscop confirm	1	0	0	0
deglutition disorder	1	1	1	0
tumor d:leukemia	3	1	5	2
tumor d:subcutis	0	0	1	0
tumor d:kidney	1	0	0	0
tumor d:pituitary	2	1	0	2
tumor d:ovary	0	0	1	0
tumor d:uterus	1	2	0	0
tumor d:mammary gl	0	1	1	0
tumor d:brain	2	0	1	0
tumor d:Zymbal gl	0	0	1	0
tumor d:peritoneum	0	1	0	1