メチルアミンのマウスを用いた吸入によるがん原性試験報告書

試験番号：0732

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TABLE A

CONCENTRATIONS OF METHYLAMINE IN THE INHALATION CHAMBER OF THE 2-YEAR INHALATION STUDY

CONCENTRATIONS OF METHYLAMINE IN THE INHALATION CHAMBER OF THE 2-YEAR INHALATION STUDY

Group Name	Concentration(ppm) Mean ± S.D.
Control	0.0 ± 0.0
5 ppm	5.0 ± 0.1
15 ppm	15.0 ± 0.2
45 ppm	45.1 ± 0.5

TABLE B1

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 104
SEX : MALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks) 0	1	2	3	4	5	6	7	8	9	10	11	12	13
Control	50	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0
5 ppm	50	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0
15 ppm	50	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0
45 ppm	50	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 104
SEX : MALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks) 14	15	16	17	18	19	20	21	22	23	24	25	26	27
Control	50	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0
5 ppm	50	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0
15 ppm	50	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0
45 ppm	50	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 104
SEX : MALE

SURVIVAL ANIMAL NUMBERS

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

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 104
SEX : MALE

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	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0
5 ppm	50	50/50 100.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0
15 ppm	50	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0
45 ppm	50	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 104
SEX : MALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks) 56	57	58	59	60	61	62	63	64	65	66	67	68	69
Control	50	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0
5 ppm	50	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0
15 ppm	50	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0
45 ppm	50	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 104
SEX : MALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks) 70	71	72	73	74	75	76	77	78	79	80	81	82	83
Control	50	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0
5 ppm	50	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	48/50 96.0	48/50 96.0	48/50 96.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	44/50 88.0
15 ppm	50	48/50 96.0	48/50 96.0	47/50 94.0	47/50 94.0	46/50 92.0	44/50 88.0	44/50 88.0	44/50 88.0	43/50 86.0	42/50 84.0	42/50 84.0	42/50 84.0	42/50 84.0	42/50 84.0
45 ppm	50	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 104
SEX : MALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks) 84	85	86	87	88	89	90	91	92	93	94	95	96	97
Control	50	48/50 96.0	46/50 92.0	46/50 92.0	46/50 92.0	46/50 92.0	46/50 92.0	45/50 90.0	45/50 90.0	45/50 90.0	45/50 90.0	45/50 90.0	45/50 90.0	44/50 88.0	44/50 88.0
5 ppm	50	44/50 88.0	44/50 88.0	44/50 88.0	43/50 86.0	41/50 82.0	39/50 78.0	39/50 78.0	39/50 78.0	39/50 78.0	39/50 78.0	39/50 78.0	39/50 78.0	39/50 78.0	38/50 76.0
15 ppm	50	42/50 84.0	42/50 84.0	42/50 84.0	42/50 84.0	42/50 84.0	41/50 82.0	41/50 82.0	41/50 82.0	41/50 82.0	41/50 82.0	40/50 80.0	40/50 80.0	39/50 78.0	39/50 78.0
45 ppm	50	47/50 94.0	46/50 92.0	45/50 90.0	45/50 90.0	45/50 90.0	45/50 90.0	44/50 88.0	44/50 88.0	44/50 88.0	43/50 86.0	43/50 86.0	41/50 82.0	41/50 82.0	41/50 82.0

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 104
SEX : MALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks) 98	99	100	101	102	103	104
Control	50	43/50 86.0	42/50 84.0	42/50 84.0	42/50 84.0	42/50 84.0	42/50 84.0	42/50 84.0
5 ppm	50	37/50 74.0	37/50 74.0	36/50 72.0	35/50 70.0	35/50 70.0	35/50 70.0	34/50 68.0
15 ppm	50	39/50 78.0	39/50 78.0	38/50 76.0	37/50 74.0	37/50 74.0	36/50 72.0	36/50 72.0
45 ppm	50	40/50 80.0	40/50 80.0	38/50 76.0	38/50 76.0	38/50 76.0	38/50 76.0	37/50 74.0

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

TABLE B2

SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 104
SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks) 0	1	2	3	4	5	6	7	8	9	10	11	12	13
Control	50	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0
5 ppm	50	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0
15 ppm	50	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0
45 ppm	50	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 104
SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks) 14	15	16	17	18	19	20	21	22	23	24	25	26	27
Control	50	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0
5 ppm	50	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0
15 ppm	50	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0
45 ppm	50	50/50 100.0	50/50 100.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 104
SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

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

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 104
SEX : FEMALE

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	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	49/50 98.0	49/50 98.0	48/50 96.0	48/50 96.0
5 ppm	50	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0
15 ppm	50	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0	50/50 100.0
45 ppm	50	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	46/50 92.0	46/50 92.0

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 104
SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

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

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 104
SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

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 94.0	47/50 94.0	47/50 94.0	46/50 92.0	46/50 92.0	46/50 92.0	45/50 90.0	45/50 90.0	45/50 90.0	44/50 88.0	44/50 88.0	43/50 86.0	43/50 86.0	42/50 84.0
5 ppm	50	49/50 98.0	49/50 98.0	49/50 98.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	48/50 96.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0
15 ppm	50	50/50 100.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	49/50 98.0	48/50 96.0	47/50 94.0	45/50 90.0	44/50 88.0	43/50 86.0	41/50 82.0	41/50 82.0
45 ppm	50	46/50 92.0	46/50 92.0	46/50 92.0	46/50 92.0	46/50 92.0	46/50 92.0	46/50 92.0	45/50 90.0	43/50 86.0	42/50 84.0	42/50 84.0	42/50 84.0	42/50 84.0	42/50 84.0

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 104
SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks) 84	85	86	87	88	89	90	91	92	93	94	95	96	97
Control	50	42/50 84.0	42/50 84.0	41/50 82.0	41/50 82.0	41/50 82.0	39/50 78.0	36/50 72.0	33/50 66.0	33/50 66.0	31/50 62.0	29/50 58.0	29/50 58.0	29/50 58.0	27/50 54.0
5 ppm	50	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	47/50 94.0	46/50 92.0	45/50 90.0	44/50 88.0	44/50 88.0	44/50 88.0	43/50 86.0	43/50 86.0	42/50 84.0	41/50 82.0
15 ppm	50	41/50 82.0	41/50 82.0	41/50 82.0	41/50 82.0	40/50 80.0	40/50 80.0	40/50 80.0	40/50 80.0	40/50 80.0	40/50 80.0	40/50 80.0	39/50 78.0	38/50 76.0	38/50 76.0
45 ppm	50	42/50 84.0	42/50 84.0	42/50 84.0	42/50 84.0	41/50 82.0	40/50 80.0	39/50 78.0	37/50 74.0	36/50 72.0	35/50 70.0	35/50 70.0	35/50 70.0	35/50 70.0	33/50 66.0

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 104
SEX : FEMALE

SURVIVAL ANIMAL NUMBERS

Group Name	Animals At start	Administration (Weeks) 98	99	100	101	102	103	104
Control	50	26/50 52.0	24/50 48.0	24/50 48.0	23/50 46.0	23/50 46.0	23/50 46.0	22/50 44.0
5 ppm	50	41/50 82.0	40/50 80.0	37/50 74.0	36/50 72.0	35/50 70.0	35/50 70.0	34/50 68.0
15 ppm	50	37/50 74.0	35/50 70.0	35/50 70.0	35/50 70.0	33/50 66.0	33/50 66.0	33/50 66.0
45 ppm	50	33/50 66.0	33/50 66.0	33/50 66.0	30/50 60.0	29/50 58.0	29/50 58.0	29/50 58.0

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

TABLE C1

CLINICAL OBSERVATION : MALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1 104

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Administration Week-day 1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	1	1	1	1	1	2	2	2	2	2	2	2	2	2
	45 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	1	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	45 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	1	1	1	1	1	1	1	1
	45 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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	1
	5 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	45 ppm	1	1	1	1	2	2	2	2	2	2	2	2	2	3
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	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
	5 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	1	1	1	1	1	1	1	1	1	2	2	2	2	3
	45 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 71-7	72-7	73-7	74-7	75-7	76-7	77-7	78-7	79-7	80-7	81-7	82-7	83-7	84-7
DEATH	Control	1	1	1	2	2	2	2	2	2	2	2	2	2	2
	5 ppm	1	1	1	1	1	1	1	1	2	2	2	2	4	4
	15 ppm	2	3	3	4	6	6	6	7	8	8	8	8	8	8
	45 ppm	3	3	3	3	3	3	3	3	3	3	3	3	3	3
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	1	1	1	1	1	1	1	2	2
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	1	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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	15 ppm	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	1	1	1	1	1	1	1	1	2
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	1	1	0	0	0	0	0	0
	15 ppm	3	2	2	2	1	1	1	1	1	1	1	1	1	1
	45 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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	4	4	4	4	4	5	5	5	5	5	5	6	6	7
	5 ppm	4	4	5	7	9	9	9	9	9	9	9	9	10	11
	15 ppm	8	8	8	8	9	9	9	9	9	10	10	10	10	10
	45 ppm	4	4	4	4	4	5	5	5	6	6	7	7	7	8
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	45 ppm	0	1	1	1	1	1	1	1	1	1	2	2	2	2
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
ABNORMAL GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	1	1	1	0	0	0	0	0	0	0	0	1
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	1	1	1	2	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	1	1	1	0	0	0	0	0	0	1	0	0	0
	45 ppm	1	1	1	1	1	1	1	1	2	2	1	1	1	1
FROG BELLY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	15 ppm	1	1	1	1	1	1	1	1	2	2	2	2	2	2
	45 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	1	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	1	1	1	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	1	1	1	0	0	0	0	1	0	0	1	1

Clinical sign	Group Name	Administration Week-day 99-7	100-7	101-7	102-7	103-7	104-7
DEATH	Control	8	8	8	8	8	8
	5 ppm	11	12	13	13	13	14
	15 ppm	10	11	11	11	12	12
	45 ppm	8	10	10	10	10	11
MORIBUND SACRIFICE	Control	0	0	0	0	0	0
	5 ppm	2	2	2	2	2	2
	15 ppm	1	1	2	2	2	2
	45 ppm	2	2	2	2	2	2
PARALYTIC GAIT	Control	0	0	0	1	1	1
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	1	0	0
	45 ppm	0	0	0	0	0	0
ABNORMAL GAIT	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0
EXCITEMENT	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0
SOILED	Control	0	1	1	1	1	1
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	1	0	0	0	1	0
PILOERECTION	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	2	2	1
	45 ppm	1	1	1	0	0	0
FROG BELLY	Control	0	0	1	1	1	1
	5 ppm	1	1	1	1	2	2
	15 ppm	3	2	2	3	3	3
	45 ppm	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	1
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	1	1	1
	45 ppm	1	0	0	0	1	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
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLOSED EYELID	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLOSED EYELID	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	0	0	1	1	0	0	1	1	1	2	3	3	3	3
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	2	1	1	2	2	3	3	3	3	3	3
	45 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
M. NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLOSED EYELID	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	15 ppm	2	3	3	3	3	2	2	2	2	2	2	2	2	2
	45 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
M. NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLOSED EYELID	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	2	2	2	2	2	2	3	3	3	3	3	3	3	3
	45 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
M. NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLOSED EYELID	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
INTERNAL MASS	Control	3	3	3	3	3	3	3	3	3	3	3	3	3	3
	5 ppm	0	0	0	0	0	1	2	2	2	3	3	3	4	4
	15 ppm	3	3	3	3	3	3	4	4	4	4	4	4	4	4
	45 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
M. NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	15 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	45 ppm	2	2	2	2	2	2	2	2	2	1	1	1	1	1
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	0
CLOSED EYELID	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	5 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15 ppm	0	0	1	1	1	1	1	1	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	2	2	2	2	2
INTERNAL MASS	Control	3	3	3	4	4	4	4	5	3	3	3	3	3	3
	5 ppm	4	4	4	4	4	3	3	3	3	3	3	4	3	3
	15 ppm	4	5	6	6	4	4	4	3	3	3	3	3	3	3
	45 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
M. NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
M. NECK	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
EXOPHTHALMOS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	1	1	1	1	1	1	1	1	1	1	1	1	0	0
	15 ppm	2	2	2	2	2	2	2	3	3	3	3	3	3	3
	45 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GUM	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	1	1	1	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLOSED EYELID	Control	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	5 ppm	0	0	1	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	1	1	1	0	0
	15 ppm	1	1	1	1	1	1	1	1	2	2	3	3	3	3
	45 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15 ppm	0	0	0	0	0	0	0	0	0	0	1	1	2	2
	45 ppm	2	2	2	2	2	2	2	2	2	2	2	2	2	2
INTERNAL MASS	Control	1	2	2	2	3	2	3	2	3	3	3	2	2	3
	5 ppm	4	4	4	4	3	3	3	3	3	3	3	3	3	3
	15 ppm	3	3	4	4	4	4	4	3	3	3	5	4	4	4
	45 ppm	1	1	1	1	1	1	1	2	1	1	1	1	1	1
M. NOSE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	45 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
M. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
EXOPHTHALMOS	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	3	3	3	3	2	2
	45 ppm	1	1	0	0	0	0
GUM	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	1	0	0	0	0
	45 ppm	0	0	2	1	1	1
CLOSED EYELID	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0
CORNEAL OPACITY	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	3	4	4	4	3	3
	45 ppm	1	1	1	1	1	1
EXTERNAL MASS	Control	0	0	1	1	2	2
	5 ppm	1	1	1	1	1	2
	15 ppm	1	1	1	1	1	2
	45 ppm	2	2	3	3	4	4
INTERNAL MASS	Control	2	3	3	3	3	3
	5 ppm	4	3	2	2	2	2
	15 ppm	4	4	4	4	4	4
	45 ppm	1	1	1	1	1	1
M. NOSE	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	1	1	1	1	1	1
M. EYE	Control	0	0	0	0	0	0
	5 ppm	1	1	1	1	1	1
	15 ppm	1	1	1	1	1	1
	45 ppm	1	1	2	2	2	2
M. NECK	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	1
	15 ppm	0	0	0	0	0	0
	45 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. FORELIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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. FORELIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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. FORELIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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. FORELIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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. FORELIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	1	1	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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. FORELIMB	Control	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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	1	1	1	1	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	1	1	1	1	1	1	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	1	2	2
	5 ppm	1	1	1	1	1	0	0	0	1	1	1	1	1	1
	15 ppm	0	1	1	1	0	0	0	0	0	0	0	2	3	2
	45 ppm	0	1	1	1	1	1	1	2	2	2	2	2	2	3
CRUSTA	Control	0	0	0	1	1	1	1	1	1	1	1	1	1	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1

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. FORELIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EROSION	Control	2	2	2	2	2	1	1	1	1	1	1	2	2	2
	5 ppm	1	0	0	0	0	0	0	0	0	1	1	2	1	0
	15 ppm	2	2	2	2	1	1	1	1	1	0	0	0	0	0
	45 ppm	3	2	2	2	2	2	2	2	2	2	3	3	3	3
CRUSTA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	1	2	2	1	1	1
	15 ppm	1	1	1	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
PROLAPSE OF PENIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	5 ppm	0	0	0	0	0	0	0	0	0	1	1	1	1	1
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1

Clinical sign	Group Name	Administration Week-day 99-7	100-7	101-7	102-7	103-7	104-7
M. FORELIMB	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0
M. BREAST	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0
M. ABDOMEN	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	1
	45 ppm	0	0	0	0	0	0
M. ANTERIOR. DORSUM	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	0	0	0	1	1
M. HINDLIMB	Control	0	0	0	0	1	1
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0
M. GENITALIA	Control	0	0	1	1	1	1
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0
EROSION	Control	2	2	4	4	4	4
	5 ppm	0	0	0	0	0	0
	15 ppm	1	1	1	1	1	3
	45 ppm	3	1	1	0	0	0
CRUSTA	Control	0	0	0	1	1	1
	5 ppm	1	1	1	1	1	1
	15 ppm	0	0	0	0	0	0
	45 ppm	1	0	0	0	0	0
PROLAPSE OF PENIS	Control	1	1	1	1	1	1
	5 ppm	1	1	1	1	1	1
	15 ppm	0	0	0	0	0	0
	45 ppm	1	0	0	0	0	0

CLINICAL OBSERVATION (SUMMARY)
ALL ANIMALS

SEX : MALE

Clinical sign	Group Name	Administration Week-day 1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	1	0	0	0	0	0	1	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	1

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
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	2	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	1	0	0	0	1	2	0	0	0	0

Clinical sign	Group Name	Administration Week-day 99-7	100-7	101-7	102-7	103-7	104-7
IRREGULAR BREATHING	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0

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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	1	1	1	1	1	1	1	1	1	1	1	1	1
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	1	1	1	1	1	2	2
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	1	1	1	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Clinical sign	Group Name	Administration Week-day 43-7	44-7	45-7	46-7	47-7	48-7	49-7	50-7	51-7	52-7	53-7	54-7	55-7	56-7
DEATH	Control	0	0	0	0	0	0	0	0	0	1	1	2	2	2
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	2	2	2	2	2	2	2	2	2	2	2	3	3	3
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	5 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	3	3	3	3	3	3	3	3	3	3	3	3	3	3
MORIBUND SACRIFICE	Control	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	1	1	1	1	1	1	1	1	1	1	1
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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	3	3	3	4	4	4	5	5	6	6	6	6
	5 ppm	1	1	2	2	2	2	2	2	3	3	3	3	3	3
	15 ppm	0	0	0	0	0	0	0	1	2	3	4	6	6	6
	45 ppm	3	3	3	3	3	3	4	5	6	6	6	6	6	6
MORIBUND SACRIFICE	Control	1	1	1	1	1	1	1	1	1	1	1	1	2	2
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	1	1	1	1	1	1	2	2	3	3	3	3	3	3
	45 ppm	1	1	1	1	1	1	1	2	2	2	2	2	2	2
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	1	1	1	1	1	1	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	1	1	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	1	1	1	1	1	1	1	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FROG BELLY	Control	1	1	0	0	0	0	0	1	1	1	1	1	0	0
	5 ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	2	2	2	2	2	1	2	0	0	1
	45 ppm	0	0	0	0	0	0	1	1	0	0	0	0	0	0
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	2	2
	15 ppm	1	1	1	1	1	1	1	1	1	0	0	0	0	0
	45 ppm	0	1	1	1	1	1	1	2	2	2	2	2	2	2

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	6	7	7	7	9	12	14	14	15	17	17	17	19	20
	5 ppm	3	3	3	3	3	4	5	5	5	6	6	7	8	8
	15 ppm	6	6	6	7	7	7	7	7	7	7	7	8	8	9
	45 ppm	6	6	6	6	7	8	9	10	11	11	11	11	12	12
MORIBUND SACRIFICE	Control	2	2	2	2	2	2	3	3	4	4	4	4	4	4
	5 ppm	0	0	0	0	1	1	1	1	1	1	1	1	1	1
	15 ppm	3	3	3	3	3	3	3	3	3	3	4	4	4	4
	45 ppm	2	2	2	3	3	3	4	4	4	4	4	4	5	5
PARALYTIC GAIT	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	1	1	0	0	0	0	0	0	0	0
WASTING	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	1	1	0	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	5 ppm	0	0	0	0	0	1	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
FROG BELLY	Control	1	1	2	2	1	2	1	2	1	0	0	0	0	1
	5 ppm	0	0	0	0	1	0	0	0	0	0	0	1	2	2
	15 ppm	1	1	1	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	2	1	2	0	0	1	1	1	1	1	1
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	1	1	0	0	0	1	0	0	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	1	1	1	1	1	1	1	1	1	1	1	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	1	1	1	1	1	1	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	5 ppm	2	2	2	2	1	2	2	2	2	2	2	0	2	2
	15 ppm	0	0	0	0	0	0	1	2	2	2	1	1	1	1
	45 ppm	3	3	3	3	3	3	2	2	2	2	2	3	3	3

Clinical sign	Group Name	Administration Week-day 99-7	100-7	101-7	102-7	103-7	104-7
DEATH	Control	21	21	22	22	22	23
	5 ppm	9	12	13	13	13	14
	15 ppm	11	11	11	12	12	12
	45 ppm	12	12	14	15	15	15
MORIBUND SACRIFICE	Control	5	5	5	5	5	5
	5 ppm	1	1	1	2	2	2
	15 ppm	4	4	4	5	5	5
	45 ppm	5	5	6	6	6	6
PARALYTIC GAIT	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	1	1	0	0	0
WASTING	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0
PILOERECTION	Control	0	0	0	0	0	0
	5 ppm	0	0	1	0	0	0
	15 ppm	0	1	1	0	0	0
	45 ppm	1	2	1	0	0	0
FROG BELLY	Control	0	0	0	0	0	0
	5 ppm	2	2	3	2	2	2
	15 ppm	1	2	2	0	0	1
	45 ppm	1	2	1	1	1	2
SOILED PERI-GENITALIA	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0
EXOPHTHALMOS	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0
EXTERNAL MASS	Control	1	2	1	1	1	1
	5 ppm	2	2	2	2	2	1
	15 ppm	2	2	2	1	1	1
	45 ppm	3	3	3	2	2	2

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
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	1	1	1	1	1	0	0
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	1	1	1	1	1	1	1	0	0	0
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
INTERNAL MASS	Control	0	0	0	0	0	0	0	0	1	1	0	0	0	1
	5 ppm	0	0	0	0	0	0	0	0	1	1	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	1	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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
INTERNAL MASS	Control	1	1	0	0	1	2	2	2	2	2	2	2	2	2
	5 ppm	1	1	0	0	0	0	0	1	1	1	1	1	1	2
	15 ppm	1	2	2	2	2	2	3	3	3	4	3	2	2	2
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	1	1	1	1	1	1	1	1	1	1	1	1	1
M. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	15 ppm	1	1	1	1	1	1	1	1	1	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	1	1	1	1	1	1	1	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	1	1	1	1	1	1	1
M. GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
INTERNAL MASS	Control	2	2	2	4	5	4	2	2	2	1	1	1	0	0
	5 ppm	2	2	3	4	4	5	5	5	5	5	5	3	4	5
	15 ppm	3	3	3	2	2	2	2	2	2	2	4	4	3	4
	45 ppm	0	1	1	1	1	1	0	0	0	0	2	2	2	2
M. EYE	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
M. NECK	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	1	1	1	1	1	1	1	1	1	1	1	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. BREAST	Control	0	0	0	0	0	0	1	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	1	1	1	1	0	0	0	1
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	1	1	1	1	1	0
	45 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
	5 ppm	1	1	1	1	0	0	0	0	0	0	0	0	1	1
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M. HINDLIMB	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	1	1	1	1	1	1	0	1	1
	15 ppm	0	0	0	0	0	0	0	1	0	0	0	0	0	0
	45 ppm	2	2	2	2	2	2	1	1	1	1	1	2	2	2
M. GENITALIA	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
INTERNAL MASS	Control	0	0	0	0	2	2
	5 ppm	5	4	4	4	5	5
	15 ppm	4	4	4	2	3	4
	45 ppm	2	2	1	1	1	2
M. EYE	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	1	1	1	1	1	1
M. NECK	Control	0	1	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	1	1	1	0	0	0
	45 ppm	0	0	0	0	0	0
M. BREAST	Control	0	1	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	1	1	1	1	1	1
	45 ppm	0	0	0	0	0	0
M. ABDOMEN	Control	0	1	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0
M. ANTERIOR. DORSUM	Control	0	1	0	0	0	0
	5 ppm	1	1	1	1	1	1
	15 ppm	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0
M. POSTERIOR DORSUM	Control	1	1	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0
M. HINDLIMB	Control	0	1	0	0	0	0
	5 ppm	1	1	1	1	1	0
	15 ppm	0	0	0	0	0	0
	45 ppm	2	2	1	0	0	0
M. GENITALIA	Control	0	1	1	1	1	1
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	0	1	1	1	1

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
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOISY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOISY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOISY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	1	1	1	1	1	1	1	1	1	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	1	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOISY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOISY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	1	1	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	1	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	1	1
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	1	1	1	1
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	1	1	0	0	0	0	0
	45 ppm	0	0	0	0	0	1	2	0	0	0	0	0	0	0
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOISY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
EROSION	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	0	0	1	1	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
	5 ppm	1	1	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	1	1	1	1	1	1	1	1	1	1	1	1	1	1
IRREGULAR BREATHING	Control	0	0	0	0	0	0	0	1	2	1	1	1	0	1
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	1	0	0
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NOISY	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0	0	0	0	0	1	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	45 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
EROSION	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0
CRUSTA	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0
HEMORRHAGE	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0
TORTICOLLIS	Control	0	0	0	0	0	0
	5 ppm	1	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	1	2	2	2	2	2
IRREGULAR BREATHING	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	1	1	0	0	0
	45 ppm	1	1	0	0	0	0
RESPIRATORY SOUND ABNOR	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	1
NOISY	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	0	0	0	0	0
SUBNORMAL TEMP	Control	0	0	0	0	0	0
	5 ppm	0	0	0	0	0	0
	15 ppm	0	0	0	0	0	0
	45 ppm	0	1	0	0	0	0

TABLE D1

BODY WEIGHT CHANGES AND SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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>	5 ppm Av. Wt.	5 ppm % of cont. <50>	5 ppm No. of Surviv.	15 ppm Av. Wt.	15 ppm % of cont. <50>	15 ppm No. of Surviv.	45 ppm Av. Wt.	45 ppm % of cont. <50>	45 ppm No. of Surviv.
0-0	22.9 (50)	50/50	22.9 (50)	100	50/50	22.9 (50)	100	50/50	22.9 (50)	100	50/50
1-7	24.1 (50)	50/50	23.8 (50)	99	50/50	24.1 (50)	100	50/50	23.8 (50)	99	50/50
2-7	24.8 (50)	50/50	24.3 (50)	98	50/50	25.0 (50)	101	50/50	24.7 (50)	100	50/50
3-7	25.5 (50)	50/50	25.3 (50)	99	50/50	25.5 (50)	100	50/50	25.1 (50)	98	50/50
4-7	26.3 (50)	50/50	25.8 (50)	98	50/50	26.1 (50)	99	50/50	25.4 (50)	97	50/50
5-7	26.7 (50)	50/50	26.3 (50)	99	50/50	26.8 (49)	100	49/50	25.9 (50)	97	50/50
6-7	27.3 (50)	50/50	26.5 (50)	97	50/50	27.4 (49)	100	49/50	26.5 (50)	97	50/50
7-7	27.8 (50)	50/50	27.1 (50)	97	50/50	27.9 (49)	100	49/50	27.1 (50)	97	50/50
8-7	28.4 (50)	50/50	27.5 (50)	97	50/50	28.7 (49)	101	49/50	27.6 (50)	97	50/50
9-7	29.0 (50)	50/50	28.1 (50)	97	50/50	29.1 (49)	100	49/50	28.6 (50)	99	50/50
10-7	29.6 (50)	50/50	28.7 (50)	97	50/50	29.7 (49)	100	49/50	28.8 (50)	97	50/50
11-7	30.2 (50)	50/50	29.4 (50)	97	50/50	30.2 (49)	100	49/50	29.4 (50)	97	50/50
12-7	30.9 (50)	50/50	30.1 (50)	97	50/50	31.0 (49)	100	49/50	30.1 (50)	97	50/50
13-7	31.5 (50)	50/50	30.8 (50)	98	50/50	31.6 (49)	100	49/50	30.9 (50)	98	50/50
14-7	31.9 (50)	50/50	31.5 (50)	99	50/50	32.3 (49)	101	49/50	31.3 (50)	98	50/50
18-7	34.1 (50)	50/50	34.1 (50)	100	50/50	34.6 (49)	101	49/50	33.7 (50)	99	50/50
22-7	36.5 (50)	50/50	36.3 (50)	99	50/50	36.9 (49)	101	49/50	35.9 (50)	98	50/50
26-7	38.3 (50)	50/50	38.9 (50)	102	50/50	38.8 (49)	101	49/50	37.7 (50)	98	50/50
30-7	39.8 (50)	50/50	40.4 (50)	102	50/50	40.2 (49)	101	49/50	39.2 (50)	98	50/50
34-7	41.0 (50)	50/50	41.6 (50)	101	50/50	41.5 (48)	101	48/50	40.2 (50)	98	50/50
38-7	41.5 (50)	50/50	42.2 (50)	102	50/50	42.0 (48)	101	48/50	40.6 (50)	98	50/50
42-7	42.3 (50)	50/50	42.9 (50)	101	50/50	42.7 (48)	101	48/50	41.4 (49)	98	49/50
46-7	43.3 (50)	50/50	43.9 (49)	101	49/50	43.4 (48)	100	48/50	41.7 (49)	96	49/50
50-7	44.3 (50)	50/50	44.8 (49)	101	49/50	44.4 (48)	100	48/50	42.3 (49)	95	49/50
54-7	44.7 (50)	50/50	45.6 (49)	102	49/50	45.0 (48)	101	48/50	43.2 (49)	97	49/50
58-7	45.5 (50)	50/50	46.3 (49)	102	49/50	45.6 (48)	100	48/50	43.9 (49)	96	49/50
62-7	46.5 (50)	50/50	47.3 (49)	102	49/50	46.0 (48)	99	48/50	45.0 (48)	97	48/50
66-7	46.9 (50)	50/50	48.0 (49)	102	49/50	46.3 (48)	99	48/50	45.4 (48)	97	48/50
70-7	47.3 (49)	49/50	48.5 (49)	103	49/50	46.8 (48)	99	48/50	45.6 (47)	96	47/50
74-7	47.7 (48)	48/50	48.8 (49)	102	49/50	47.1 (46)	99	46/50	46.0 (47)	96	47/50
78-7	48.2 (48)	48/50	49.0 (48)	102	48/50	47.8 (43)	99	43/50	45.8 (47)	95	47/50
82-7	48.2 (48)	48/50	48.6 (47)	101	47/50	47.9 (42)	99	42/50	45.3 (47)	94	47/50
86-7	48.3 (46)	46/50	48.2 (44)	100	44/50	47.1 (42)	98	42/50	45.0 (45)	93	45/50
90-7	47.5 (45)	45/50	47.8 (39)	101	39/50	46.0 (41)	97	41/50	43.9 (44)	92	44/50
94-7	45.9 (45)	45/50	46.5 (39)	101	39/50	44.4 (40)	97	40/50	42.2 (43)	92	43/50
98-7	45.1 (43)	43/50	46.5 (37)	103	37/50	44.0 (39)	98	39/50	42.3 (40)	94	40/50
102-7	43.9 (42)	42/50	45.9 (35)	105	35/50	42.5 (37)	97	37/50	41.7 (38)	95	38/50
104-7	43.0 (42)	42/50	46.9 (34)	109	34/50	42.4 (36)	99	36/50	41.6 (37)	97	37/50

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

TABLE D2

BODY WEIGHT CHANGES AND SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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>	5 ppm Av. Wt.	5 ppm % of cont. <50>	5 ppm No. of Surviv.	15 ppm Av. Wt.	15 ppm % of cont. <50>	15 ppm No. of Surviv.	45 ppm Av. Wt.	45 ppm % of cont. <50>	45 ppm No. of Surviv.
0-0	19.8 (50)	50/50	19.8 (50)	100	50/50	19.8 (50)	100	50/50	19.8 (50)	100	50/50
1-7	20.0 (50)	50/50	19.7 (50)	99	50/50	19.8 (50)	99	50/50	19.6 (50)	98	50/50
2-7	20.5 (50)	50/50	20.1 (50)	98	50/50	20.5 (50)	100	50/50	20.0 (50)	98	50/50
3-7	21.0 (50)	50/50	20.7 (50)	99	50/50	21.3 (50)	101	50/50	20.7 (50)	99	50/50
4-7	21.9 (50)	50/50	21.5 (50)	98	50/50	21.7 (50)	99	50/50	21.4 (50)	98	50/50
5-7	22.1 (50)	50/50	21.9 (50)	99	50/50	22.3 (50)	101	50/50	22.0 (50)	100	50/50
6-7	22.6 (50)	50/50	22.4 (50)	99	50/50	22.9 (50)	101	50/50	22.5 (50)	100	50/50
7-7	23.3 (50)	50/50	23.0 (50)	99	50/50	23.3 (50)	100	50/50	23.2 (50)	100	50/50
8-7	23.8 (50)	50/50	23.4 (50)	98	50/50	23.7 (50)	100	50/50	23.5 (50)	99	50/50
9-7	24.0 (50)	50/50	23.5 (50)	98	50/50	24.2 (50)	101	50/50	23.9 (50)	100	50/50
10-7	24.2 (50)	50/50	23.8 (50)	98	50/50	24.3 (50)	100	50/50	23.9 (50)	99	50/50
11-7	24.4 (50)	50/50	24.1 (50)	99	50/50	24.4 (50)	100	50/50	24.2 (50)	99	50/50
12-7	25.0 (50)	50/50	24.7 (50)	99	50/50	24.7 (50)	99	50/50	24.7 (50)	99	50/50
13-7	25.1 (50)	50/50	24.8 (50)	99	50/50	24.9 (50)	99	50/50	24.8 (50)	99	50/50
14-7	25.1 (50)	50/50	24.9 (50)	99	50/50	25.0 (50)	100	50/50	24.9 (50)	99	50/50
18-7	26.4 (50)	50/50	25.9 (50)	98	50/50	26.1 (50)	99	50/50	26.1 (49)	99	49/50
22-7	27.1 (50)	50/50	26.8 (50)	99	50/50	26.5 (50)	98	50/50	26.3 (49)	97	49/50
26-7	28.3 (50)	50/50	27.2 (50)	96	50/50	27.1 (50)	96	50/50	26.5 (49)	94	49/50
30-7	28.7 (50)	50/50	27.7 (50)	97	50/50	27.5 (50)	96	50/50	27.5 (49)	96	49/50
34-7	29.2 (50)	50/50	28.3 (50)	97	50/50	28.1 (50)	96	50/50	27.6 (49)	95	49/50
38-7	29.3 (50)	50/50	28.6 (50)	98	50/50	28.2 (50)	96	50/50	28.2 (48)	96	48/50
42-7	29.6 (50)	50/50	29.0 (50)	98	50/50	28.8 (50)	97	50/50	28.4 (47)	96	47/50
46-7	30.2 (50)	50/50	29.6 (50)	98	50/50	29.0 (50)	96	50/50	28.5 (47)	94	47/50
50-7	30.4 (50)	50/50	30.1 (50)	99	50/50	29.0 (50)	95	50/50	29.4 (47)	97	47/50
54-7	31.0 (48)	48/50	30.3 (50)	98	50/50	30.0 (50)	97	50/50	29.5 (46)	95	46/50
58-7	31.0 (48)	48/50	30.8 (50)	99	50/50	30.2 (50)	97	50/50	29.9 (46)	96	46/50
62-7	31.5 (48)	48/50	31.0 (50)	98	50/50	30.5 (50)	97	50/50	30.4 (46)	97	46/50
66-7	31.4 (48)	48/50	31.4 (50)	100	50/50	30.9 (50)	98	50/50	30.7 (46)	98	46/50
70-7	31.9 (47)	47/50	31.0 (49)	97	49/50	31.2 (50)	98	50/50	31.1 (46)	97	46/50
74-7	32.1 (46)	46/50	31.8 (48)	99	48/50	31.5 (49)	98	49/50	30.9 (46)	96	46/50
78-7	32.3 (45)	45/50	32.2 (48)	100	48/50	32.7 (47)	101	47/50	32.5 (43)	101	43/50
82-7	32.7 (43)	43/50	32.5 (47)	99	47/50	33.0 (41)	101	41/50	32.4 (42)	99	42/50
86-7	33.1 (41)	41/50	32.8 (47)	99	47/50	32.9 (41)	99	41/50	33.1 (42)	100	42/50
90-7	32.8 (36)	36/50	32.2 (45)	98	45/50	32.6 (40)	99	40/50	32.6 (39)	99	39/50
94-7	32.3 (29)	29/50	33.0 (43)	102	43/50	32.5 (40)	101	40/50	31.7 (35)	98	35/50
98-7	32.6 (26)	26/50	33.0 (41)	101	41/50	32.8 (37)	101	37/50	33.0 (33)	101	33/50
102-7	32.4 (23)	23/50	33.4 (35)	103	35/50	32.9 (33)	102	33/50	32.6 (29)	101	29/50
104-7	32.5 (22)	22/50	34.4 (34)	106	34/50	33.5 (33)	103	33/50	32.6 (29)	100	29/50

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

TABLE D3

BODY WEIGHT CHANGES : MALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	22.9± 0.8	24.1± 1.0	24.8± 1.2	25.5± 1.3	26.3± 1.4	26.7± 1.6	27.3± 1.7
5 ppm	22.9± 0.8	23.8± 0.8	24.3± 0.9*	25.3± 1.0	25.8± 1.1	26.3± 1.2	26.5± 1.2*
15 ppm	22.9± 0.8	24.1± 0.9	25.0± 0.9	25.5± 1.2	26.1± 1.3	26.8± 1.4	27.4± 1.6
45 ppm	22.9± 0.8	23.8± 0.8	24.7± 0.8	25.1± 1.0	25.4± 1.0**	25.9± 1.0**	26.5± 1.2*

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	27.8± 1.8	28.4± 2.1	29.0± 2.1	29.6± 2.2	30.2± 2.4	30.9± 2.4	31.5± 2.6
5 ppm	27.1± 1.3*	27.5± 1.4*	28.1± 1.5*	28.7± 1.6	29.4± 1.7	30.1± 1.9	30.8± 2.0
15 ppm	27.9± 1.6	28.7± 1.8	29.1± 1.8	29.7± 2.0	30.2± 2.1	31.0± 2.3	31.6± 2.4
45 ppm	27.1± 1.4*	27.6± 1.5	28.6± 1.5	28.8± 1.8	29.4± 1.9	30.1± 2.1	30.9± 2.2

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	31.9± 2.8	34.1± 3.3	36.5± 3.6	38.3± 4.1	39.8± 4.3	41.0± 4.4	41.5± 4.5
5 ppm	31.5± 2.2	34.1± 2.6	36.3± 3.2	38.9± 3.6	40.4± 3.8	41.6± 3.9	42.2± 4.1
15 ppm	32.3± 2.4	34.6± 2.5	36.9± 2.7	38.8± 3.1	40.2± 3.4	41.5± 3.6	42.0± 3.8
45 ppm	31.3± 2.4	33.7± 2.6	35.9± 2.9	37.7± 3.3	39.2± 3.7	40.2± 3.8	40.6± 4.1

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	42.3± 4.6	43.3± 4.7	44.3± 4.8	44.7± 4.8	45.5± 5.0	46.5± 5.0	46.9± 5.1
5 ppm	42.9± 4.4	43.9± 4.3	44.8± 4.3	45.6± 4.4	46.3± 4.6	47.3± 4.9	48.0± 5.3
15 ppm	42.7± 3.9	43.4± 4.1	44.4± 4.2	45.0± 4.3	45.6± 4.9	46.0± 4.7	46.3± 5.3
45 ppm	41.4± 4.4	41.7± 4.6	42.3± 4.8	43.2± 4.9	43.9± 5.1	45.0± 5.1	45.4± 5.4

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	47.3± 5.3	47.7± 5.2	48.2± 5.6	48.2± 5.8	48.3± 6.1	47.5± 5.9	45.9± 6.2
5 ppm	48.5± 5.4	48.8± 6.2	49.0± 5.8	48.6± 7.0	48.2± 7.5	47.8± 7.2	46.5± 7.8
15 ppm	46.8± 5.4	47.1± 5.3	47.8± 5.5	47.9± 6.1	47.1± 6.8	46.0± 6.3	44.4± 6.5
45 ppm	45.6± 5.3	46.0± 5.5	45.8± 5.5	45.3± 5.6	45.0± 6.2	43.9± 5.8*	42.2± 6.1*

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	45.1± 6.2	43.9± 6.4	43.0± 6.4
5 ppm	46.5± 7.9	45.9± 7.9	46.9± 8.6*
15 ppm	44.0± 5.7	42.5± 6.1	42.4± 5.9
45 ppm	42.3± 5.6	41.7± 5.0	41.6± 4.9

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

TABLE D4

BODY WEIGHT CHANGES : FEMALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	19.8± 0.8	20.0± 0.9	20.5± 1.0	21.0± 1.0	21.9± 1.1	22.1± 0.9	22.6± 1.1
5 ppm	19.8± 0.8	19.7± 0.9	20.1± 0.9*	20.7± 1.0	21.5± 0.9	21.9± 1.1	22.4± 1.2
15 ppm	19.8± 0.8	19.8± 0.9	20.5± 0.9	21.3± 1.0	21.7± 1.0	22.3± 0.8	22.9± 1.0
45 ppm	19.8± 0.8	19.6± 0.8	20.0± 0.7*	20.7± 0.8	21.4± 1.0	22.0± 0.8	22.5± 0.8

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	23.3± 1.2	23.8± 1.2	24.0± 1.0	24.2± 1.3	24.4± 1.2	25.0± 1.4	25.1± 1.2
5 ppm	23.0± 1.1	23.4± 1.3	23.5± 1.1	23.8± 1.3	24.1± 1.3	24.7± 1.3	24.8± 1.2
15 ppm	23.3± 1.1	23.7± 1.1	24.2± 1.3	24.3± 1.4	24.4± 1.1	24.7± 1.2	24.9± 1.0
45 ppm	23.2± 1.1	23.5± 1.0	23.9± 1.0	23.9± 0.9	24.2± 1.2	24.7± 1.2	24.8± 1.1

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	25.1± 1.3	26.4± 1.5	27.1± 1.7	28.3± 2.1	28.7± 2.5	29.2± 1.8	29.3± 2.2
5 ppm	24.9± 1.5	25.9± 1.6	26.8± 1.6	27.2± 2.1**	27.7± 2.1	28.3± 2.1*	28.6± 2.2
15 ppm	25.0± 1.1	26.1± 1.2	26.5± 1.3	27.1± 1.6**	27.5± 1.5*	28.1± 1.7*	28.2± 1.7*
45 ppm	24.9± 1.1	26.1± 1.3	26.3± 1.1	26.5± 1.3**	27.5± 1.5	27.6± 1.6**	28.2± 2.4*

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	29.6± 2.4	30.2± 2.4	30.4± 2.7	31.0± 2.8	31.0± 2.7	31.5± 2.5	31.4± 2.9
5 ppm	29.0± 2.3	29.6± 2.4	30.1± 2.5	30.3± 2.6	30.8± 2.8	31.0± 2.5	31.4± 3.0
15 ppm	28.8± 2.0	29.0± 1.7*	29.0± 1.7**	30.0± 2.1	30.2± 2.3	30.5± 2.2	30.9± 2.6
45 ppm	28.4± 1.8	28.5± 1.9**	29.4± 1.5	29.5± 1.7	29.9± 2.0	30.4± 1.9	30.7± 2.1

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	31.9± 3.0	32.1± 3.2	32.3± 3.4	32.7± 4.0	33.1± 3.1	32.8± 3.7	32.3± 3.9
5 ppm	31.0± 2.2	31.8± 2.7	32.2± 2.9	32.5± 3.1	32.8± 3.0	32.2± 3.5	33.0± 3.5
15 ppm	31.2± 2.9	31.5± 3.3	32.7± 3.6	33.0± 3.3	32.9± 3.2	32.6± 2.9	32.5± 2.7
45 ppm	31.1± 2.1	30.9± 2.5	32.5± 3.6	32.4± 3.3	33.1± 3.1	32.6± 3.8	31.7± 3.1

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

BODY WEIGHT CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day 98-7	102-7	104-7
Control	32.6± 2.8	32.4± 3.4	32.5± 3.4
5 ppm	33.0± 3.5	33.4± 3.6	34.4± 4.0
15 ppm	32.8± 3.5	32.9± 3.2	33.5± 3.7
45 ppm	33.0± 4.0	32.6± 4.1	32.6± 5.6

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

TABLE E1

FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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>	5 ppm Av. FC.	5 ppm % of cont. <50>	5 ppm No. of Surviv.	15 ppm Av. FC.	15 ppm % of cont. <50>	15 ppm No. of Surviv.	45 ppm Av. FC.	45 ppm % of cont. <50>	45 ppm No. of Surviv.
1-7	3.9 (50)	50/50	3.8 (50)	97	50/50	3.8 (50)	97	50/50	3.7 (50)	95	50/50
2-7	3.8 (50)	50/50	3.8 (50)	100	50/50	4.0 (50)	105	50/50	4.1 (50)	108	50/50
3-7	4.0 (50)	50/50	4.1 (50)	103	50/50	4.2 (50)	105	50/50	4.0 (50)	100	50/50
4-7	4.1 (50)	50/50	4.1 (50)	100	50/50	4.2 (49)	102	50/50	4.2 (50)	102	50/50
5-7	4.2 (50)	50/50	4.2 (50)	100	50/50	4.2 (49)	100	49/50	4.2 (50)	100	50/50
6-7	4.2 (50)	50/50	4.3 (50)	102	50/50	4.3 (49)	102	49/50	4.3 (47)	102	50/50
7-7	4.3 (50)	50/50	4.3 (50)	100	50/50	4.4 (49)	102	49/50	4.4 (50)	102	50/50
8-7	4.3 (50)	50/50	4.3 (50)	100	50/50	4.4 (49)	102	49/50	4.4 (50)	102	50/50
9-7	4.3 (50)	50/50	4.4 (50)	102	50/50	4.4 (49)	102	49/50	4.5 (50)	105	50/50
10-7	4.4 (50)	50/50	4.4 (50)	100	50/50	4.5 (49)	102	49/50	4.4 (50)	100	50/50
11-7	4.4 (50)	50/50	4.4 (50)	100	50/50	4.4 (49)	100	49/50	4.5 (50)	102	50/50
12-7	4.4 (50)	50/50	4.4 (50)	100	50/50	4.5 (49)	102	49/50	4.5 (50)	102	50/50
13-7	4.5 (50)	50/50	4.4 (50)	98	50/50	4.5 (49)	100	49/50	4.6 (50)	102	50/50
14-7	4.4 (50)	50/50	4.4 (50)	100	50/50	4.5 (49)	102	49/50	4.5 (50)	102	50/50
18-7	4.6 (50)	50/50	4.6 (50)	100	50/50	4.7 (49)	102	49/50	4.7 (50)	102	50/50
22-7	4.8 (50)	50/50	4.8 (50)	100	50/50	4.9 (49)	102	49/50	4.9 (50)	102	50/50
26-7	4.9 (50)	50/50	4.9 (50)	100	50/50	5.0 (49)	102	49/50	4.9 (50)	100	50/50
30-7	4.7 (50)	50/50	4.7 (50)	100	50/50	4.8 (49)	102	49/50	4.6 (50)	98	50/50
34-7	4.7 (50)	50/50	4.8 (50)	102	50/50	4.8 (48)	102	48/50	4.7 (50)	100	50/50
38-7	4.7 (50)	50/50	4.8 (50)	102	50/50	4.7 (48)	100	48/50	4.7 (50)	100	50/50
42-7	4.7 (50)	50/50	4.7 (50)	100	50/50	4.8 (48)	102	48/50	4.7 (49)	100	49/50
46-7	4.8 (50)	50/50	4.8 (49)	100	49/50	4.8 (48)	100	48/50	4.8 (49)	100	49/50
50-7	5.0 (50)	50/50	5.0 (49)	100	49/50	4.9 (48)	98	48/50	4.7 (49)	94	49/50
54-7	4.9 (50)	50/50	5.0 (49)	102	49/50	4.9 (48)	100	48/50	4.7 (49)	96	49/50
58-7	5.0 (50)	50/50	5.0 (49)	100	49/50	4.9 (48)	98	48/50	4.8 (49)	96	49/50
62-7	5.0 (50)	50/50	5.1 (49)	102	49/50	5.0 (48)	100	48/50	5.0 (48)	100	48/50
66-7	4.9 (50)	50/50	5.0 (49)	102	49/50	4.9 (48)	100	48/50	4.9 (48)	100	48/50
70-7	5.0 (49)	49/50	5.0 (49)	100	49/50	5.0 (48)	100	48/50	4.9 (47)	98	47/50
74-7	5.2 (48)	48/50	5.2 (49)	100	49/50	5.1 (46)	98	46/50	5.1 (47)	98	47/50
78-7	5.2 (48)	48/50	5.1 (48)	98	48/50	5.1 (43)	98	43/50	5.1 (47)	98	47/50
82-7	5.3 (47)	48/50	5.0 (47)	94	47/50	5.1 (42)	96	42/50	5.2 (47)	98	47/50
86-7	5.1 (46)	46/50	4.9 (44)	96	44/50	5.0 (40)	98	42/50	5.0 (45)	98	45/50
90-7	4.9 (45)	45/50	4.9 (39)	100	39/50	4.6 (41)	94	41/50	4.8 (44)	98	44/50
94-7	4.8 (45)	45/50	4.8 (39)	100	39/50	4.5 (40)	94	40/50	4.6 (43)	96	43/50
98-7	4.8 (43)	43/50	4.9 (37)	102	37/50	4.7 (39)	98	39/50	4.9 (40)	102	40/50
102-7	5.0 (42)	42/50	4.8 (35)	96	35/50	4.6 (37)	92	37/50	4.9 (38)	98	38/50
104-7	5.0 (42)	42/50	5.0 (34)	100	34/50	4.8 (36)	96	36/50	4.8 (37)	96	37/50

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

TABLE E2

FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

MEAN FOOD CONSUMPTION (FC) AND SURVIVAL

Week-Day on Study	Control Av. FC.	Control No. of Surviv. <50>	5 ppm Av. FC.	5 ppm % of cont. <50>	5 ppm No. of Surviv.	15 ppm Av. FC.	15 ppm % of cont. <50>	15 ppm No. of Surviv.	45 ppm Av. FC.	45 ppm % of cont. <50>	45 ppm No. of Surviv.
1-7	3.3 (50)	50/50	3.2 (50)	97	50/50	3.2 (50)	97	50/50	3.1 (50)	94	50/50
2-7	3.4 (50)	50/50	3.3 (50)	97	50/50	3.6 (50)	106	50/50	3.6 (50)	106	50/50
3-7	3.7 (50)	50/50	3.7 (50)	100	50/50	3.8 (50)	103	50/50	3.8 (50)	103	50/50
4-7	4.0 (50)	50/50	4.0 (50)	100	50/50	4.0 (50)	100	50/50	4.0 (50)	100	50/50
5-7	4.1 (50)	50/50	4.1 (50)	100	50/50	4.1 (50)	100	50/50	4.1 (50)	100	50/50
6-7	4.3 (50)	50/50	4.2 (50)	98	50/50	4.3 (50)	100	50/50	4.3 (50)	100	50/50
7-7	4.4 (50)	50/50	4.4 (50)	100	50/50	4.4 (50)	100	50/50	4.5 (50)	102	50/50
8-7	4.5 (50)	50/50	4.4 (50)	98	50/50	4.4 (50)	98	50/50	4.4 (50)	98	50/50
9-7	4.5 (50)	50/50	4.4 (50)	98	50/50	4.5 (50)	100	50/50	4.5 (50)	100	50/50
10-7	4.5 (50)	50/50	4.4 (50)	98	50/50	4.4 (50)	98	50/50	4.4 (50)	98	50/50
11-7	4.4 (50)	50/50	4.4 (50)	100	50/50	4.3 (50)	98	50/50	4.4 (50)	100	50/50
12-7	4.4 (50)	50/50	4.3 (50)	98	50/50	4.3 (50)	98	50/50	4.4 (50)	100	50/50
13-7	4.4 (50)	50/50	4.3 (50)	98	50/50	4.3 (50)	98	50/50	4.4 (50)	100	50/50
14-7	4.3 (50)	50/50	4.3 (50)	100	50/50	4.3 (50)	100	50/50	4.3 (50)	100	50/50
18-7	4.6 (50)	50/50	4.4 (50)	96	50/50	4.4 (50)	96	50/50	4.5 (49)	98	49/50
22-7	4.8 (50)	50/50	4.7 (50)	98	50/50	4.6 (50)	96	50/50	4.6 (49)	96	49/50
26-7	4.9 (50)	50/50	4.6 (50)	94	50/50	4.6 (50)	94	50/50	4.6 (49)	94	49/50
30-7	4.8 (50)	50/50	4.5 (50)	94	50/50	4.4 (50)	92	50/50	4.5 (49)	94	49/50
34-7	4.6 (50)	50/50	4.3 (50)	93	50/50	4.3 (50)	93	50/50	4.3 (49)	93	49/50
38-7	4.5 (50)	50/50	4.3 (50)	96	50/50	4.3 (50)	96	50/50	4.3 (48)	96	48/50
42-7	4.4 (50)	50/50	4.3 (50)	98	50/50	4.2 (50)	95	50/50	4.3 (47)	98	47/50
46-7	4.5 (50)	50/50	4.3 (50)	96	50/50	4.3 (50)	96	50/50	4.3 (47)	96	47/50
50-7	4.6 (50)	50/50	4.5 (50)	98	50/50	4.3 (50)	93	50/50	4.5 (47)	98	47/50
54-7	4.6 (48)	48/50	4.4 (50)	96	50/50	4.5 (50)	98	50/50	4.4 (46)	96	46/50
58-7	4.6 (48)	48/50	4.5 (50)	98	50/50	4.4 (50)	96	50/50	4.5 (46)	98	46/50
62-7	4.6 (48)	48/50	4.4 (50)	96	50/50	4.4 (50)	96	50/50	4.5 (46)	98	46/50
66-7	4.4 (48)	48/50	4.4 (50)	100	50/50	4.4 (50)	100	50/50	4.6 (46)	105	46/50
70-7	4.5 (47)	47/50	4.4 (49)	98	49/50	4.3 (50)	96	50/50	4.5 (46)	100	46/50
74-7	4.7 (46)	46/50	4.6 (48)	98	48/50	4.7 (49)	100	49/50	4.6 (46)	98	46/50
78-7	4.7 (45)	45/50	4.6 (48)	98	48/50	4.7 (47)	100	47/50	4.9 (43)	104	43/50
82-7	4.9 (43)	43/50	4.7 (47)	96	47/50	4.9 (41)	100	41/50	4.9 (42)	100	42/50
86-7	4.7 (41)	41/50	4.5 (47)	96	47/50	4.7 (41)	100	41/50	4.8 (42)	102	42/50
90-7	4.4 (36)	36/50	4.4 (45)	100	45/50	4.4 (40)	100	40/50	4.5 (39)	102	39/50
94-7	4.5 (29)	29/50	4.5 (43)	100	43/50	4.3 (40)	96	40/50	4.3 (35)	96	35/50
98-7	4.5 (26)	26/50	4.5 (41)	100	41/50	4.5 (37)	100	37/50	4.8 (33)	107	33/50
102-7	4.7 (23)	23/50	4.7 (35)	100	35/50	4.7 (33)	100	33/50	4.9 (29)	104	29/50
104-7	4.7 (22)	22/50	4.7 (34)	100	34/50	4.7 (33)	100	33/50	4.7 (29)	100	29/50

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

TABLE E3

FOOD CONSUMPTION CHANGES : MALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	3.9± 0.3	3.8± 0.3	4.0± 0.2	4.1± 0.3	4.2± 0.3	4.2± 0.3	4.3± 0.3
5 ppm	3.8± 0.3	3.8± 0.2	4.1± 0.2*	4.1± 0.3	4.2± 0.2	4.3± 0.3	4.3± 0.2
15 ppm	3.8± 0.3	4.0± 0.3**	4.2± 0.5**	4.2± 0.3	4.2± 0.3	4.3± 0.3	4.4± 0.3
45 ppm	3.7± 0.3	4.1± 0.2**	4.0± 0.3	4.2± 0.2	4.2± 0.3	4.3± 0.3	4.4± 0.3

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	4.3± 0.3	4.3± 0.3	4.4± 0.2	4.4± 0.3	4.4± 0.3	4.5± 0.3	4.4± 0.3
5 ppm	4.3± 0.2	4.4± 0.2	4.4± 0.3	4.4± 0.3	4.4± 0.2	4.4± 0.3	4.4± 0.3
15 ppm	4.4± 0.3	4.4± 0.3	4.5± 0.3	4.4± 0.3	4.5± 0.3	4.5± 0.3	4.5± 0.3
45 ppm	4.4± 0.3	4.5± 0.3**	4.4± 0.3	4.5± 0.3	4.5± 0.3*	4.6± 0.3	4.5± 0.3

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	4.6± 0.3	4.8± 0.3	4.9± 0.3	4.7± 0.3	4.7± 0.3	4.7± 0.3	4.7± 0.3
5 ppm	4.6± 0.3	4.8± 0.3	4.9± 0.3	4.7± 0.3	4.8± 0.2	4.8± 0.3	4.7± 0.3
15 ppm	4.7± 0.3	4.9± 0.3	5.0± 0.4	4.8± 0.3	4.8± 0.2	4.7± 0.3	4.8± 0.3
45 ppm	4.7± 0.3*	4.9± 0.3	4.9± 0.3	4.6± 0.3	4.7± 0.3	4.7± 0.3	4.7± 0.3

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	4.8± 0.3	5.0± 0.3	4.9± 0.3	5.0± 0.4	5.0± 0.3	4.9± 0.4	5.0± 0.4
5 ppm	4.8± 0.3	5.0± 0.3	5.0± 0.3	5.0± 0.3	5.1± 0.4	5.0± 0.3	5.0± 0.3
15 ppm	4.8± 0.3	4.9± 0.3*	4.9± 0.4	4.9± 0.3	5.0± 0.3	4.9± 0.4	5.0± 0.4
45 ppm	4.8± 0.3	4.7± 0.3**	4.7± 0.3	4.8± 0.4**	5.0± 0.3	4.9± 0.3	4.9± 0.3

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	5.2± 0.4	5.2± 0.4	5.3± 0.8	5.1± 0.4	4.9± 0.4	4.8± 0.4	4.8± 0.5
5 ppm	5.2± 0.5	5.1± 0.6	5.0± 0.6	4.9± 0.8	4.9± 0.5	4.8± 0.5	4.9± 0.5
15 ppm	5.1± 0.4	5.1± 0.4	5.1± 0.4	5.0± 0.4	4.6± 0.4**	4.5± 0.4**	4.7± 0.4
45 ppm	5.1± 0.4	5.1± 0.4	5.2± 0.5	5.0± 0.7	4.8± 0.4	4.6± 0.7	4.9± 0.6

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 104
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day (effective) 102-7 (7)	104-7 (7)
Control	5.0± 0.5	5.0± 0.8
5 ppm	4.8± 0.8	5.0± 0.6
15 ppm	4.6± 0.5**	4.8± 0.5
45 ppm	4.9± 0.4	4.8± 0.6

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

TABLE E4

FOOD CONSUMPTION CHANGES : FEMALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	3.3± 0.2	3.4± 0.3	3.7± 0.3	4.0± 0.3	4.1± 0.3	4.3± 0.3	4.4± 0.3
5 ppm	3.2± 0.3*	3.3± 0.2	3.7± 0.3	4.0± 0.2	4.1± 0.3	4.2± 0.3	4.4± 0.3
15 ppm	3.2± 0.2	3.6± 0.3**	3.8± 0.2**	4.0± 0.3	4.1± 0.3	4.3± 0.3	4.4± 0.3
45 ppm	3.1± 0.2**	3.6± 0.2**	3.8± 0.2**	4.0± 0.2	4.1± 0.3	4.3± 0.3	4.5± 0.3

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	4.5± 0.3	4.5± 0.3	4.5± 0.3	4.4± 0.3	4.4± 0.3	4.4± 0.3	4.3± 0.3
5 ppm	4.4± 0.3	4.4± 0.3	4.4± 0.3	4.4± 0.4	4.3± 0.3	4.3± 0.4	4.3± 0.3
15 ppm	4.4± 0.3	4.5± 0.3	4.4± 0.3	4.3± 0.3	4.3± 0.3	4.3± 0.4	4.3± 0.3
45 ppm	4.4± 0.3	4.5± 0.2	4.4± 0.2	4.4± 0.3	4.4± 0.3	4.4± 0.3	4.3± 0.3

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	4.6± 0.3	4.8± 0.3	4.9± 0.4	4.8± 0.4	4.6± 0.4	4.5± 0.3	4.4± 0.4
5 ppm	4.4± 0.3*	4.7± 0.3*	4.6± 0.4**	4.5± 0.4**	4.3± 0.3**	4.3± 0.3*	4.3± 0.4
15 ppm	4.4± 0.3*	4.6± 0.3**	4.6± 0.3**	4.4± 0.4**	4.3± 0.3**	4.3± 0.4**	4.2± 0.3*
45 ppm	4.5± 0.3	4.6± 0.3**	4.6± 0.2**	4.5± 0.3**	4.3± 0.3**	4.3± 0.3**	4.3± 0.3

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	4.5± 0.4	4.6± 0.4	4.6± 0.4	4.6± 0.4	4.6± 0.4	4.4± 0.4	4.5± 0.4
5 ppm	4.3± 0.4**	4.5± 0.3	4.4± 0.4**	4.5± 0.4	4.4± 0.4	4.4± 0.4	4.4± 0.4
15 ppm	4.3± 0.3	4.3± 0.3**	4.5± 0.4	4.4± 0.3	4.4± 0.4	4.4± 0.4	4.3± 0.6
45 ppm	4.3± 0.3*	4.5± 0.3	4.4± 0.3**	4.5± 0.3	4.5± 0.4	4.6± 0.4	4.5± 0.4

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	4.7± 0.5	4.7± 0.5	4.9± 0.8	4.7± 0.5	4.4± 0.7	4.5± 0.5	4.5± 0.5
5 ppm	4.6± 0.4	4.6± 0.5	4.7± 0.4	4.5± 0.6	4.4± 0.5	4.5± 0.4	4.5± 0.5
15 ppm	4.7± 0.6	4.7± 0.6	4.9± 0.7	4.7± 0.5	4.4± 0.5	4.3± 0.6	4.5± 0.7
45 ppm	4.6± 0.5	4.9± 0.4	4.9± 0.5	4.8± 0.4	4.5± 0.6	4.3± 0.6	4.8± 0.5

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
UNIT : g
REPORT TYPE : A1 104
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day (effective) 102-7 (7)	104-7 (7)
Control	4.7± 0.5	4.7± 0.5
5 ppm	4.7± 0.5	4.7± 0.6
15 ppm	4.7± 0.6	4.7± 0.7
45 ppm	4.9± 0.8	4.7± 0.8

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

TABLE F1

HEMATOLOGY : MALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	39	9.56± 1.74	13.6± 2.4	43.6± 7.2	45.8± 2.0	14.2± 0.7	31.0± 1.3	1768± 264
5 ppm	32	9.39± 1.52	13.3± 1.8	42.9± 5.4	46.0± 3.0	14.3± 0.7	31.1± 0.8	1694± 367
15 ppm	36	9.30± 1.29	13.2± 1.7	42.5± 4.8	45.9± 2.5	14.2± 0.5	31.0± 1.0	1861± 442
45 ppm	37	9.64± 1.94	13.7± 2.7	43.6± 7.8	46.0± 5.3	14.3± 0.9	31.2± 1.5	1704± 461

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

Group Name	NO. of Animals	RETICULOCYTE %
Control	39	3.4± 3.9
5 ppm	32	3.3± 2.5
15 ppm	36	3.5± 4.1
45 ppm	37	3.6± 5.2

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (105W)

Group Name	NO. of Animals	WBC $10^3/\mu l$		Differential WBC (%) NEUTRO		LYMPHO		MONO		EOSINO		BASO		OTHER	
Control	39	4.35±	1.90	33±	14	59±	16	4±	5	3±	1	0±	0	1±	1
5 ppm	32	4.73±	2.67	30±	14	64±	14	3±	2	2±	1	0±	0	1±	1
15 ppm	36	3.25±	1.32*	37±	14	57±	15	4±	4	2±	1	0±	0	1±	1
45 ppm	37	3.69±	1.63	34±	12	59±	13	3±	3	2±	1	0±	0	1±	1

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

TABLE F2

HEMATOLOGY : FEMALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE 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	21	10.21± 0.94	14.5± 1.2	46.6± 3.5	45.7± 2.0	14.3± 0.5	31.2± 0.7	1077± 283
5 ppm	32	9.16± 1.93*	13.3± 2.5	42.8± 7.0	47.8± 5.8	14.6± 1.0	30.8± 1.6	1070± 371
15 ppm	33	9.82± 1.14	14.0± 1.7	44.8± 4.6	45.7± 2.3	14.3± 0.8	31.2± 0.9	1127± 255
45 ppm	27	8.78± 2.61	12.9± 3.5	41.9± 9.6	49.5± 7.7**	14.9± 1.4*	30.4± 2.1	924± 395

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

Group Name	NO. of Animals	RETICULOCYTE %
Control	21	2.6± 1.4
5 ppm	32	5.6± 9.9
15 ppm	33	3.1± 2.1
45 ppm	27	7.3± 10.6

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (105W)

Group Name	NO. of Animals	WBC $10^3/\mu l$		Differential WBC (%) NEUTRO		LYMPHO		MONO		EOSINO		BASO		OTHER	
Control	21	4.75±	6.93	25±	13	68±	14	3±	2	2±	2	0±	0	2±	3
5 ppm	32	3.50±	2.24	30±	14	63±	15	3±	3	2±	1	0±	0	2±	1
15 ppm	33	9.11±	28.31	28±	14	65±	15	3±	2	2±	1	0±	0	1±	1
45 ppm	27	17.88±	68.37	27±	17	64±	22	3±	3	2±	1	0±	0	5±	19

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

TABLE G1

BIOCHEMISTRY : MALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	39	5.1± 1.1	2.4± 0.4	0.9± 0.2	0.10± 0.07	155± 28	104± 28	41± 46
5 ppm	32	4.9± 0.6	2.3± 0.3	0.9± 0.2	0.10± 0.02	148± 42	114± 30	45± 31
15 ppm	36	5.0± 0.6	2.4± 0.3	0.9± 0.1	0.09± 0.01	145± 32	108± 27	31± 19
45 ppm	37	5.0± 0.5	2.4± 0.3	0.9± 0.2	0.12± 0.10	157± 24	105± 32	40± 38

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (105W)

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	184± 55	82± 58	47± 51	214± 87	266± 429	0± 1	62± 32
5 ppm	32	193± 53	135± 239	53± 79	223± 136	200± 43	0± 0	75± 97
15 ppm	36	188± 39	85± 74	41± 72	241± 287	197± 69	1± 1	101± 155
45 ppm	37	187± 43	178± 409	82± 177	322± 559	189± 54	1± 1	68± 64

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (105W)

Group Name	NO. of Animals	UREA NITROGEN mg／dℓ	SODIUM mEq／ℓ	POTASSIUM mEq／ℓ	CHLORIDE mEq／ℓ	CALCIUM mg／dℓ	INORGANIC PHOSPHORUS mg／dℓ
Control	39	25.6± 9.2	154± 2	4.4± 0.3	123± 2	8.7± 0.4	6.5± 0.8
5 ppm	32	28.6± 20.1	154± 2	4.4± 0.4	123± 3	8.7± 0.4	6.5± 1.0
15 ppm	36	31.8± 18.0	155± 2	4.4± 0.3	124± 2	8.7± 0.4	6.6± 1.0
45 ppm	37	23.3± 6.5	154± 3	4.5± 0.7	124± 3	8.7± 0.4	6.2± 0.6

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

TABLE G2

BIOCHEMISTRY : FEMALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (105W)

Group Name	NO. of Animals	TOTAL PROTEIN g／dℓ	ALBUMIN g／dℓ	A/G RATIO	T-BILIRUBIN mg／dℓ	GLUCOSE mg／dℓ	T-CHOLESTEROL mg／dℓ	TRIGLYCERIDE mg／dℓ
Control	21	5.1± 0.4	2.5± 0.2	1.0± 0.2	0.10± 0.02	113± 28	82± 23	32± 24
5 ppm	32	5.0± 0.9	2.5± 0.3	1.0± 0.2	0.11± 0.05	110± 32	82± 27	40± 34
15 ppm	33	5.2± 0.7	2.5± 0.3	1.0± 0.2	0.10± 0.02	121± 28	87± 26	46± 51
45 ppm	27	4.8± 0.7	2.4± 0.3	1.1± 0.2	0.15± 0.19	114± 34	75± 20	30± 17

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (105W)

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	21	147± 34	121± 94	37± 24	248± 210	371± 300	1± 1	134± 134
5 ppm	32	149± 47	128± 115	40± 32	635± 1597	324± 158	1± 1	222± 568
15 ppm	33	159± 44	134± 198	44± 57	229± 171	311± 162	1± 1	86± 60
45 ppm	27	132± 36	312± 545	112± 217	622± 1140	393± 345	1± 1	212± 502

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (105W)

Group Name	NO. of Animals	UREA NITROGEN mg／dℓ	SODIUM mEq／ℓ	POTASSIUM mEq／ℓ	CHLORIDE mEq／ℓ	CALCIUM mg／dℓ	INORGANIC PHOSPHORUS mg／dℓ
Control	21	18.8± 7.0	152± 1	4.2± 0.3	122± 3	8.8± 0.3	6.2± 1.0
5 ppm	32	26.6± 22.0	153± 2	4.4± 0.7	123± 3	9.0± 0.6	6.9± 1.8
15 ppm	33	21.0± 16.6	153± 2	4.1± 0.3	123± 3	9.2± 0.8	6.4± 1.2
45 ppm	27	25.6± 19.7	153± 3	4.4± 0.6	124± 4	8.9± 0.5	6.8± 1.7

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

TABLE H1

URINALYSIS : MALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

URINALYSIS

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	Occult blood −	±	+	2+	3+	CHI
Control	42	0	1	8	10	18	5	0		0	17	18	6	1	0		42	0	0	0	0	0		19	16	6	1	0	0		34	0	0	2	6	
5 ppm	34	0	2	8	8	13	2	1		0	13	16	5	0	0		34	0	0	0	0	0		20	6	7	1	0	0		31	0	0	0	3	
15 ppm	36	0	5	9	6	9	6	1		0	11	18	6	1	0		36	0	0	0	0	0		16	13	7	0	0	0		34	0	0	0	2	
45 ppm	38	0	4	10	12	3	8	1	*	0	13	21	4	0	0		38	0	0	0	0	0		14	15	9	0	0	0		36	0	0	0	2	

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

Group Name	NO. of Animals	Urobilinogen ±	+	2+	3+	4+	CHI
Control	42	42	0	0	0	0	
5 ppm	34	34	0	0	0	0	
15 ppm	36	36	0	0	0	0	
45 ppm	38	38	0	0	0	0	

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

TABLE H2

URINALYSIS : FEMALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

URINALYSIS

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	Occult blood −	±	+	2+	3+	CHI
Control	23	0	0	3	3	6	10	1		0	7	12	3	1	0		23	0	0	0	0	0		9	9	4	1	0	0		22	0	1	0	0	
5 ppm	34	0	4	6	4	3	16	1		0	12	14	5	3	0		34	0	0	0	0	0		10	18	1	5	0	0		32	0	0	0	2	
15 ppm	33	0	5	3	3	6	10	6		1	11	16	5	0	0		33	0	0	0	0	0		14	15	4	0	0	0		32	0	0	0	1	
45 ppm	29	0	4	4	5	3	12	1		0	7	17	4	1	0		29	0	0	0	0	0		11	16	0	2	0	0		27	0	1	1	0	

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

Group Name	NO. of Animals	Urobilinogen ±	+	2+	3+	4+	CHI
Control	23	23	0	0	0	0	
5 ppm	34	34	0	0	0	0	
15 ppm	33	33	0	0	0	0	
45 ppm	29	29	0	0	0	0	

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

TABLE I 1

GROSS FINDINGS : MALE

ALL ANIMALS

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY)
ALL ANIMALS (0-105W)

Organ	Findings	Group Name / NO. of Animals	Control 50	(%)	5 ppm 50	(%)	15 ppm 50	(%)	45 ppm 50	(%)
skin/app	nodule		0	(0)	1	(2)	0	(0)	0	(0)
	erosion		5	(10)	2	(4)	7	(14)	3	(6)
	scab		1	(2)	1	(2)	0	(0)	0	(0)
subcutis	edema		0	(0)	3	(6)	1	(2)	1	(2)
	mass		2	(4)	2	(4)	2	(4)	1	(2)
nasal cavit	nodule		0	(0)	0	(0)	1	(2)	0	(0)
lung	white zone		0	(0)	0	(0)	2	(4)	0	(0)
	red zone		1	(2)	1	(2)	0	(0)	0	(0)
	nodule		9	(18)	8	(16)	3	(6)	7	(14)
	adhesion		0	(0)	1	(2)	0	(0)	0	(0)
lymph node	enlarged		10	(20)	9	(18)	9	(18)	7	(14)
spleen	enlarged		6	(12)	3	(6)	5	(10)	4	(8)
	white zone		0	(0)	1	(2)	0	(0)	0	(0)
	black zone		0	(0)	1	(2)	0	(0)	0	(0)
	nodule		1	(2)	3	(6)	3	(6)	0	(0)
	deformed		1	(2)	0	(0)	1	(2)	0	(0)
	accentuation of white pulp		1	(2)	0	(0)	1	(2)	1	(2)
stomach	forestomach:nodule		0	(0)	0	(0)	0	(0)	1	(2)
	forestomach:thick		1	(2)	0	(0)	0	(0)	0	(0)
	glandular stomach:ulcer		0	(0)	1	(2)	0	(0)	0	(0)
	glandular stomach:erosion		1	(2)	1	(2)	0	(0)	1	(2)
	glandular stomach:thick		0	(0)	1	(2)	1	(2)	0	(0)

Organ	Findings	Group Name / NO. of Animals	Control 50	(%)	5 ppm 50	(%)	15 ppm 50	(%)	45 ppm 50	(%)
small intes	nodule		0	(0)	2	(4)	0	(0)	0	(0)
large intes	nodule		1	(2)	0	(0)	0	(0)	0	(0)
liver	enlarged		1	(2)	1	(2)	1	(2)	1	(2)
	white zone		2	(4)	4	(8)	0	(0)	3	(6)
	red zone		2	(4)	2	(4)	2	(4)	0	(0)
	nodule		12	(24)	17	(34)	9	(18)	11	(22)
	cyst		0	(0)	0	(0)	0	(0)	2	(4)
pancreas	nodule		0	(0)	1	(2)	0	(0)	0	(0)
kidney	white zone		1	(2)	0	(0)	0	(0)	0	(0)
	nodule		0	(0)	2	(4)	0	(0)	2	(4)
	deformed		0	(0)	1	(2)	2	(4)	0	(0)
	hydronephrosis		5	(10)	3	(6)	7	(14)	1	(2)
ureter	dilated		1	(2)	0	(0)	0	(0)	0	(0)
urin bladd	nodule		0	(0)	1	(2)	1	(2)	0	(0)
	urine:marked retention		5	(10)	3	(6)	6	(12)	7	(14)
testis	red		0	(0)	1	(2)	0	(0)	0	(0)
	nodule		1	(2)	0	(0)	0	(0)	0	(0)
epididymis	nodule		0	(0)	1	(2)	2	(4)	1	(2)
eye	turbid		0	(0)	1	(2)	2	(4)	0	(0)
Harder gl	enlarged		0	(0)	1	(2)	5	(10)	2	(4)
	nodule		0	(0)	1	(2)	0	(0)	0	(0)
pleura	nodule		0	(0)	2	(4)	0	(0)	0	(0)

Organ	Findings	Group Name / NO. of Animals	Control 50	(%)	5 ppm 50	(%)	15 ppm 50	(%)	45 ppm 50	(%)
mediastinum	mass		0	(0)	1	(2)	0	(0)	0	(0)
peritoneum	nodule		0	(0)	2	(4)	0	(0)	1	(2)
	adhesion		0	(0)	0	(0)	1	(2)	0	(0)
retroperit	mass		0	(0)	0	(0)	0	(0)	1	(2)
abdominal c	hemorrhage		2	(4)	2	(4)	0	(0)	0	(0)
	ascites		2	(4)	1	(2)	3	(6)	1	(2)
mesenterium	nodule		0	(0)	1	(2)	0	(0)	0	(0)
thoracic ca	hemorrhage		2	(4)	2	(4)	0	(0)	1	(2)
	pleural fluid		1	(2)	4	(8)	1	(2)	1	(2)
other	hindlimb:nodule		1	(2)	0	(0)	0	(0)	0	(0)
	nose:nodule		0	(0)	0	(0)	0	(0)	1	(2)

TABLE I 2

GROSS FINDINGS : MALE

DEAD AND MORIBUND ANIMALS

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY)
DEAD AND MORIBUND ANIMALS (0-105W)

Organ	Findings	Group Name / NO. of Animals	Control 9	(%)	5 ppm 16	(%)	15 ppm 14	(%)	45 ppm 13	(%)
skin/app	erosion		2	(22)	2	(13)	3	(21)	3	(23)
	scab		1	(11)	0	(0)	0	(0)	0	(0)
subcutis	edema		0	(0)	3	(19)	1	(7)	1	(8)
	mass		0	(0)	1	(6)	1	(7)	0	(0)
lung	red zone		1	(11)	1	(6)	0	(0)	0	(0)
	nodule		2	(22)	5	(31)	0	(0)	3	(23)
	adhesion		0	(0)	1	(6)	0	(0)	0	(0)
lymph node	enlarged		2	(22)	5	(31)	1	(7)	2	(15)
spleen	enlarged		3	(33)	1	(6)	5	(36)	2	(15)
	white zone		0	(0)	1	(6)	0	(0)	0	(0)
	nodule		1	(11)	0	(0)	1	(7)	0	(0)
stomach	glandular stomach:thick		0	(0)	0	(0)	1	(7)	0	(0)
small intes	nodule		0	(0)	1	(6)	0	(0)	0	(0)
liver	enlarged		1	(11)	1	(6)	1	(7)	0	(0)
	white zone		0	(0)	4	(25)	0	(0)	1	(8)
	red zone		1	(11)	2	(13)	1	(7)	0	(0)
	nodule		2	(22)	8	(50)	1	(7)	1	(8)
kidney	white zone		1	(11)	0	(0)	0	(0)	0	(0)
	nodule		0	(0)	2	(13)	0	(0)	1	(8)
	deformed		0	(0)	0	(0)	1	(7)	0	(0)
	hydronephrosis		3	(33)	1	(6)	4	(29)	0	(0)
urin bladd	urine:marked retention		3	(33)	3	(19)	3	(21)	7	(54)

Organ	Findings	Group Name / NO. of Animals	Control 9	(%)	5 ppm 16	(%)	15 ppm 14	(%)	45 ppm 13	(%)
testis	red		0	(0)	1	(6)	0	(0)	0	(0)
eye	turbid		0	(0)	1	(6)	1	(7)	0	(0)
Harder gl	enlarged		0	(0)	1	(6)	1	(7)	0	(0)
pleura	nodule		0	(0)	2	(13)	0	(0)	0	(0)
mediastinum	mass		0	(0)	1	(6)	0	(0)	0	(0)
peritoneum	nodule		0	(0)	1	(6)	0	(0)	0	(0)
	adhesion		0	(0)	0	(0)	1	(7)	0	(0)
abdominal c	hemorrhage		1	(11)	2	(13)	0	(0)	0	(0)
	ascites		2	(22)	0	(0)	3	(21)	0	(0)
thoracic ca	hemorrhage		1	(11)	2	(13)	0	(0)	1	(8)
	pleural fluid		1	(11)	3	(19)	1	(7)	1	(8)

TABLE I 3

GROSS FINDINGS : MALE

SACRIFICED ANIMALS

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

GROSS FINDINGS (SUMMARY)
SACRIFICED ANIMALS (105W)

Organ	Findings	Group Name / NO. of Animals	Control 41	(%)	5 ppm 34	(%)	15 ppm 36	(%)	45 ppm 37	(%)
skin/app	nodule		0	(0)	1	(3)	0	(0)	0	(0)
	erosion		3	(7)	0	(0)	4	(11)	0	(0)
	scab		0	(0)	1	(3)	0	(0)	0	(0)
subcutis	mass		2	(5)	1	(3)	1	(3)	1	(3)
nasal cavit	nodule		0	(0)	0	(0)	1	(3)	0	(0)
lung	white zone		0	(0)	0	(0)	2	(6)	0	(0)
	nodule		7	(17)	3	(9)	3	(8)	4	(11)
lymph node	enlarged		8	(20)	4	(12)	8	(22)	5	(14)
spleen	enlarged		3	(7)	2	(6)	0	(0)	2	(5)
	black zone		0	(0)	1	(3)	0	(0)	0	(0)
	nodule		0	(0)	3	(9)	2	(6)	0	(0)
	deformed		1	(2)	0	(0)	1	(3)	0	(0)
	accentuation of white pulp		1	(2)	0	(0)	1	(3)	1	(3)
stomach	forestomach:nodule		0	(0)	0	(0)	0	(0)	1	(3)
	forestomach:thick		1	(2)	0	(0)	0	(0)	0	(0)
	glandular stomach:ulcer		0	(0)	1	(3)	0	(0)	0	(0)
	glandular stomach:erosion		1	(2)	1	(3)	0	(0)	1	(3)
	glandular stomach:thick		0	(0)	1	(3)	0	(0)	0	(0)
small intes	nodule		0	(0)	1	(3)	0	(0)	0	(0)
large intes	nodule		1	(2)	0	(0)	0	(0)	0	(0)
liver	enlarged		0	(0)	0	(0)	0	(0)	1	(3)
	white zone		2	(5)	0	(0)	0	(0)	2	(5)

Organ	Findings	Group Name / NO. of Animals	Control 41	(%)	5 ppm 34	(%)	15 ppm 36	(%)	45 ppm 37	(%)
liver	red zone		1	(2)	0	(0)	1	(3)	0	(0)
	nodule		10	(24)	9	(26)	8	(22)	10	(27)
	cyst		0	(0)	0	(0)	0	(0)	2	(5)
pancreas	nodule		0	(0)	1	(3)	0	(0)	0	(0)
kidney	nodule		0	(0)	0	(0)	0	(0)	1	(3)
	deformed		0	(0)	1	(3)	1	(3)	0	(0)
	hydronephrosis		2	(5)	2	(6)	3	(8)	1	(3)
ureter	dilated		1	(2)	0	(0)	0	(0)	0	(0)
urin bladd	nodule		0	(0)	1	(3)	1	(3)	0	(0)
	urine:marked retention		2	(5)	0	(0)	3	(8)	0	(0)
testis	nodule		1	(2)	0	(0)	0	(0)	0	(0)
epididymis	nodule		0	(0)	1	(3)	2	(6)	1	(3)
eye	turbid		0	(0)	0	(0)	1	(3)	0	(0)
Harder gl	enlarged		0	(0)	0	(0)	4	(11)	2	(5)
	nodule		0	(0)	1	(3)	0	(0)	0	(0)
peritoneum	nodule		0	(0)	1	(3)	0	(0)	1	(3)
retroperit	mass		0	(0)	0	(0)	0	(0)	1	(3)
abdominal c	hemorrhage		1	(2)	0	(0)	0	(0)	0	(0)
	ascites		0	(0)	1	(3)	0	(0)	1	(3)
mesenterium	nodule		0	(0)	1	(3)	0	(0)	0	(0)
thoracic ca	hemorrhage		1	(2)	0	(0)	0	(0)	0	(0)
	pleural fluid		0	(0)	1	(3)	0	(0)	0	(0)

Organ	Findings	Group Name / NO. of Animals	Control 41	(%)	5 ppm 34	(%)	15 ppm 36	(%)	45 ppm 37	(%)
other	hindlimb:nodule		1	(2)	0	(0)	0	(0)	0	(0)
	nose:nodule		0	(0)	0	(0)	0	(0)	1	(3)

TABLE I 4

GROSS FINDINGS : FEMALE

ALL ANIMALS

Organ	Findings	Group Name NO. of Animals	Control 50 (%)	5 ppm 50 (%)	15 ppm 50 (%)	45 ppm 50 (%)
skin/app	scab		0 (0)	1 (2)	0 (0)	0 (0)
subcutis	edema		3 (6)	3 (6)	5 (10)	4 (8)
	mass		3 (6)	3 (6)	4 (8)	2 (4)
lung	white zone		0 (0)	0 (0)	0 (0)	1 (2)
	nodule		0 (0)	6 (12)	1 (2)	3 (6)
lymph node	enlarged		13 (26)	12 (24)	11 (22)	9 (18)
spleen	enlarged		10 (20)	9 (18)	7 (14)	8 (16)
	nodule		3 (6)	1 (2)	0 (0)	2 (4)
	deformed		0 (0)	0 (0)	0 (0)	1 (2)
	adhesion		1 (2)	0 (0)	0 (0)	0 (0)
	accentuation of white pulp		0 (0)	1 (2)	1 (2)	1 (2)
stomach	forestomach:nodule		1 (2)	0 (0)	0 (0)	0 (0)
	glandular stomach:ulcer		0 (0)	0 (0)	0 (0)	1 (2)
	glandular stomach:erosion		0 (0)	2 (4)	2 (4)	2 (4)
	glandular stomach:thick		1 (2)	0 (0)	1 (2)	0 (0)
large intes	nodule		0 (0)	1 (2)	0 (0)	0 (0)
liver	enlarged		9 (18)	6 (12)	5 (10)	3 (6)
	white zone		12 (24)	5 (10)	4 (8)	5 (10)
	red zone		1 (2)	0 (0)	1 (2)	3 (6)
	nodule		5 (10)	3 (6)	5 (10)	10 (20)
	cyst		0 (0)	1 (2)	0 (0)	0 (0)
	adhesion		1 (2)	0 (0)	0 (0)	0 (0)

Organ	Findings	Group Name NO. of Animals	Control 50	(%)	5 ppm 50	(%)	15 ppm 50	(%)	45 ppm 50	(%)
gall bladd	malposition		0	(0)	0	(0)	1	(2)	0	(0)
pancreas	nodule		0	(0)	0	(0)	1	(2)	0	(0)
kidney	white zone		0	(0)	1	(2)	0	(0)	2	(4)
	brown zone		0	(0)	1	(2)	0	(0)	0	(0)
	cyst		1	(2)	0	(0)	1	(2)	0	(0)
	deformed		0	(0)	3	(6)	2	(4)	1	(2)
	hydronephrosis		3	(6)	0	(0)	2	(4)	3	(6)
urin bladd	nodule		0	(0)	1	(2)	0	(0)	0	(0)
	urine:marked retention		2	(4)	1	(2)	0	(0)	1	(2)
pituitary	enlarged		1	(2)	8	(16)	3	(6)	3	(6)
	red zone		1	(2)	0	(0)	2	(4)	3	(6)
	nodule		3	(6)	3	(6)	1	(2)	2	(4)
	cyst		1	(2)	0	(0)	0	(0)	0	(0)
thyroid	nodule		0	(0)	0	(0)	0	(0)	1	(2)
ovary	enlarged		6	(12)	6	(12)	3	(6)	6	(12)
	cyst		8	(16)	5	(10)	8	(16)	11	(22)
uterus	nodule		11	(22)	17	(34)	12	(24)	11	(22)
	dilated lumen		0	(0)	1	(2)	0	(0)	1	(2)
brain	red zone		1	(2)	0	(0)	0	(0)	0	(0)
	black zone		0	(0)	0	(0)	1	(2)	0	(0)
	nodule		1	(2)	0	(0)	0	(0)	1	(2)
	adhesion		0	(0)	0	(0)	0	(0)	1	(2)

Organ	Findings	Group Name / NO. of Animals	Control 50	(%)	5 ppm 50	(%)	15 ppm 50	(%)	45 ppm 50	(%)
spinal cord	black zone		0	(0)	0	(0)	1	(2)	0	(0)
periph nerv	nodule		1	(2)	0	(0)	0	(0)	1	(2)
Harder gl	enlarged		0	(0)	0	(0)	0	(0)	1	(2)
	nodule		1	(2)	0	(0)	0	(0)	0	(0)
Zymbal gl	nodule		0	(0)	0	(0)	0	(0)	1	(2)
muscle	nodule		0	(0)	1	(2)	0	(0)	0	(0)
bone	nodule		1	(2)	1	(2)	0	(0)	1	(2)
pleura	nodule		0	(0)	1	(2)	0	(0)	1	(2)
	adhesion		0	(0)	1	(2)	0	(0)	0	(0)
	thick		0	(0)	1	(2)	0	(0)	0	(0)
mediastinum	mass		1	(2)	1	(2)	1	(2)	1	(2)
peritoneum	nodule		1	(2)	2	(4)	0	(0)	0	(0)
	thick		3	(6)	1	(2)	0	(0)	1	(2)
abdominal c	hemorrhage		1	(2)	0	(0)	1	(2)	2	(4)
	ascites		13	(26)	11	(22)	8	(16)	10	(20)
thoracic ca	pleural fluid		15	(30)	11	(22)	10	(20)	11	(22)
other	tail:nodule		0	(0)	0	(0)	1	(2)	0	(0)
	forelimb:nodule		0	(0)	0	(0)	1	(2)	0	(0)
	hindlimb:nodule		0	(0)	1	(2)	0	(0)	1	(2)

TABLE I 5

GROSS FINDINGS : FEMALE

DEAD AND MORIBUND ANIMALS

Organ	Findings	Group Name / NO. of Animals	Control 28	(%)	5 ppm 16	(%)	15 ppm 17	(%)	45 ppm 21	(%)
skin/app	scab		0	(0)	1	(6)	0	(0)	0	(0)
subcutis	edema		3	(11)	3	(19)	5	(29)	4	(19)
	mass		2	(7)	2	(13)	2	(12)	1	(5)
lung	white zone		0	(0)	0	(0)	0	(0)	1	(5)
	nodule		0	(0)	5	(31)	0	(0)	1	(5)
lymph node	enlarged		9	(32)	6	(38)	6	(35)	5	(24)
spleen	enlarged		9	(32)	4	(25)	7	(41)	5	(24)
	nodule		1	(4)	1	(6)	0	(0)	0	(0)
	deformed		0	(0)	0	(0)	0	(0)	1	(5)
	adhesion		1	(4)	0	(0)	0	(0)	0	(0)
stomach	glandular stomach:thick		1	(4)	0	(0)	0	(0)	0	(0)
liver	enlarged		9	(32)	4	(25)	5	(29)	2	(10)
	white zone		11	(39)	3	(19)	3	(18)	4	(19)
	red zone		0	(0)	0	(0)	0	(0)	1	(5)
	nodule		1	(4)	1	(6)	3	(18)	5	(24)
	adhesion		1	(4)	0	(0)	0	(0)	0	(0)
pancreas	nodule		0	(0)	0	(0)	1	(6)	0	(0)
kidney	white zone		0	(0)	0	(0)	0	(0)	1	(5)
	cyst		1	(4)	0	(0)	0	(0)	0	(0)
	deformed		0	(0)	0	(0)	0	(0)	1	(5)
	hydronephrosis		3	(11)	0	(0)	1	(6)	3	(14)
urin bladd	nodule		0	(0)	1	(6)	0	(0)	0	(0)

Organ	Findings	Group Name / NO. of Animals	Control 28	(%)	5 ppm 16	(%)	15 ppm 17	(%)	45 ppm 21	(%)
urin bladd	urine:marked retention		2	(7)	0	(0)	0	(0)	1	(5)
pituitary	enlarged		0	(0)	3	(19)	0	(0)	2	(10)
	red zone		0	(0)	0	(0)	0	(0)	1	(5)
	nodule		0	(0)	1	(6)	0	(0)	0	(0)
thyroid	nodule		0	(0)	0	(0)	0	(0)	1	(5)
ovary	enlarged		6	(21)	3	(19)	3	(18)	5	(24)
	cyst		3	(11)	1	(6)	2	(12)	3	(14)
uterus	nodule		8	(29)	5	(31)	7	(41)	5	(24)
brain	red zone		1	(4)	0	(0)	0	(0)	0	(0)
	black zone		0	(0)	0	(0)	1	(6)	0	(0)
spinal cord	black zone		0	(0)	0	(0)	1	(6)	0	(0)
periph nerv	nodule		1	(4)	0	(0)	0	(0)	0	(0)
Harder gl	nodule		1	(4)	0	(0)	0	(0)	0	(0)
Zymbal gl	nodule		0	(0)	0	(0)	0	(0)	1	(5)
muscle	nodule		0	(0)	1	(6)	0	(0)	0	(0)
bone	nodule		0	(0)	0	(0)	0	(0)	1	(5)
pleura	nodule		0	(0)	1	(6)	0	(0)	1	(5)
	adhesion		0	(0)	1	(6)	0	(0)	0	(0)
	thick		0	(0)	1	(6)	0	(0)	0	(0)
mediastinum	mass		1	(4)	0	(0)	1	(6)	1	(5)
peritoneum	nodule		1	(4)	1	(6)	0	(0)	0	(0)
	thick		2	(7)	1	(6)	0	(0)	1	(5)

Organ	Findings	Group Name / NO. of Animals	Control 28	(%)	5 ppm 16	(%)	15 ppm 17	(%)	45 ppm 21	(%)
abdominal c	hemorrhage		1	(4)	0	(0)	0	(0)	1	(5)
	ascites		11	(39)	4	(25)	7	(41)	8	(38)
thoracic ca	pleural fluid		13	(46)	6	(38)	8	(47)	9	(43)
other	hindlimb:nodule		0	(0)	1	(6)	0	(0)	1	(5)

TABLE I 6

GROSS FINDINGS : FEMALE

SACRIFICED ANIMALS

Organ	Findings	Group Name / NO. of Animals	Control 22	(%)	5 ppm 34	(%)	15 ppm 33	(%)	45 ppm 29	(%)
subcutis	mass		1	(5)	1	(3)	2	(6)	1	(3)
lung	nodule		0	(0)	1	(3)	1	(3)	2	(7)
lymph node	enlarged		4	(18)	6	(18)	5	(15)	4	(14)
spleen	enlarged		1	(5)	5	(15)	0	(0)	3	(10)
	nodule		2	(9)	0	(0)	0	(0)	2	(7)
	accentuation of white pulp		0	(0)	1	(3)	1	(3)	1	(3)
stomach	forestomach:nodule		1	(5)	0	(0)	0	(0)	0	(0)
	glandular stomach:ulcer		0	(0)	0	(0)	0	(0)	1	(3)
	glandular stomach:erosion		0	(0)	2	(6)	2	(6)	2	(7)
	glandular stomach:thick		0	(0)	0	(0)	1	(3)	0	(0)
large intes	nodule		0	(0)	1	(3)	0	(0)	0	(0)
liver	enlarged		0	(0)	2	(6)	0	(0)	1	(3)
	white zone		1	(5)	2	(6)	1	(3)	1	(3)
	red zone		1	(5)	0	(0)	1	(3)	2	(7)
	nodule		4	(18)	2	(6)	2	(6)	5	(17)
	cyst		0	(0)	1	(3)	0	(0)	0	(0)
gall bladd	malposition		0	(0)	0	(0)	1	(3)	0	(0)
kidney	white zone		0	(0)	1	(3)	0	(0)	1	(3)
	brown zone		0	(0)	1	(3)	0	(0)	0	(0)
	cyst		0	(0)	0	(0)	1	(3)	0	(0)
	deformed		0	(0)	3	(9)	2	(6)	0	(0)
	hydronephrosis		0	(0)	0	(0)	1	(3)	0	(0)

Organ	Findings	Group Name / NO. of Animals	Control 22	(%)	5 ppm 34	(%)	15 ppm 33	(%)	45 ppm 29	(%)
urin bladd	urine:marked retention		0	(0)	1	(3)	0	(0)	0	(0)
pituitary	enlarged		1	(5)	5	(15)	3	(9)	1	(3)
	red zone		1	(5)	0	(0)	2	(6)	2	(7)
	nodule		3	(14)	2	(6)	1	(3)	2	(7)
	cyst		1	(5)	0	(0)	0	(0)	0	(0)
ovary	enlarged		0	(0)	3	(9)	0	(0)	1	(3)
	cyst		5	(23)	4	(12)	6	(18)	8	(28)
uterus	nodule		3	(14)	12	(35)	5	(15)	6	(21)
	dilated lumen		0	(0)	1	(3)	0	(0)	1	(3)
brain	nodule		1	(5)	0	(0)	0	(0)	1	(3)
	adhesion		0	(0)	0	(0)	0	(0)	1	(3)
periph nerv	nodule		0	(0)	0	(0)	0	(0)	1	(3)
Harder gl	enlarged		0	(0)	0	(0)	0	(0)	1	(3)
bone	nodule		1	(5)	1	(3)	0	(0)	0	(0)
mediastinum	mass		0	(0)	1	(3)	0	(0)	0	(0)
peritoneum	nodule		0	(0)	1	(3)	0	(0)	0	(0)
	thick		1	(5)	0	(0)	0	(0)	0	(0)
abdominal c	hemorrhage		0	(0)	0	(0)	1	(3)	1	(3)
	ascites		2	(9)	7	(21)	1	(3)	2	(7)
thoracic ca	pleural fluid		2	(9)	5	(15)	2	(6)	2	(7)
other	tail:nodule		0	(0)	0	(0)	1	(3)	0	(0)
	forelimb:nodule		0	(0)	0	(0)	1	(3)	0	(0)

TABLE J1

ORGAN WEIGHT, ABSOLUTE : MALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	39	39.4± 6.2	0.011± 0.002	0.208± 0.051	0.209± 0.019	0.205± 0.068	0.688± 0.303
5 ppm	33	42.6± 8.9	0.012± 0.002	0.217± 0.034	0.219± 0.022	0.215± 0.123	1.271± 2.727
15 ppm	36	38.0± 6.0	0.012± 0.002	0.220± 0.043	0.211± 0.032	0.204± 0.043	1.305± 2.304
45 ppm	37	37.4± 4.8	0.012± 0.002	0.202± 0.036	0.210± 0.016	0.207± 0.051	0.651± 0.150

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE
UNIT: g

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

Group Name	NO. of Animals	SPLEEN		LIVER		BRAIN	
Control	39	0.156±	0.207	1.599±	0.442	0.452±	0.016
5 ppm	33	0.152±	0.169	1.554±	0.275	0.452±	0.013
15 ppm	36	0.114±	0.070	1.493±	0.284	0.455±	0.016
45 ppm	37	0.144±	0.199	1.537±	0.404	0.457±	0.017

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

TABLE J2

ORGAN WEIGHT, ABSOLUTE : FEMALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE
UNIT: g

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

Group Name	NO. of Animals	Body Weight	ADRENALS	OVARIES	HEART	LUNGS	KIDNEYS
Control	21	28.0± 3.2	0.015± 0.003	0.060± 0.038	0.165± 0.016	0.208± 0.053	0.437± 0.042
5 ppm	32	30.4± 4.2	0.014± 0.002	0.116± 0.238	0.169± 0.024	0.200± 0.024	0.475± 0.118
15 ppm	33	29.0± 3.0	0.014± 0.002	0.073± 0.090	0.168± 0.023	0.198± 0.024	0.481± 0.220
45 ppm	27	29.4± 5.6	0.013± 0.002	0.120± 0.295	0.172± 0.021	0.214± 0.072	0.454± 0.085

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE
UNIT: g

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

Group Name	NO. of Animals	SPLEEN		LIVER		BRAIN	
Control	21	0.159±	0.118	1.348±	0.183	0.483±	0.019
5 ppm	32	0.218±	0.181	1.669±	0.708	0.478±	0.016
15 ppm	33	0.164±	0.133	1.487±	0.379	0.478±	0.018
45 ppm	27	0.309±	0.465	1.629±	0.714	0.476±	0.016

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

TABLE K1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	39	39.4± 6.2	0.029± 0.006	0.538± 0.146	0.538± 0.063	0.541± 0.261	1.795± 0.914
5 ppm	33	42.6± 8.9	0.029± 0.007	0.534± 0.146	0.532± 0.098	0.572± 0.630	2.676± 4.505
15 ppm	36	38.0± 6.0	0.031± 0.007	0.590± 0.148	0.563± 0.098	0.551± 0.139	3.247± 5.158
45 ppm	37	37.4± 4.8	0.031± 0.007	0.544± 0.096	0.569± 0.067	0.565± 0.174	1.751± 0.340

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE
UNIT: %

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

Group Name	NO. of Animals	SPLEEN	LIVER	BRAIN
Control	39	0.416± 0.565	4.146± 1.302	1.177± 0.194
5 ppm	33	0.365± 0.390	3.741± 0.766	1.111± 0.256
15 ppm	36	0.305± 0.174	3.982± 0.809	1.229± 0.212
45 ppm	37	0.405± 0.625	4.172± 1.283	1.239± 0.151

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

TABLE K2

ORGAN WEIGHT, RELATIVE : FEMALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
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	21	28.0± 3.2	0.053± 0.012	0.215± 0.138	0.594± 0.051	0.750± 0.194	1.566± 0.102
5 ppm	32	30.4± 4.2	0.046± 0.008	0.345± 0.549	0.559± 0.076	0.666± 0.109	1.563± 0.272
15 ppm	33	29.0± 3.0	0.050± 0.006	0.258± 0.331	0.584± 0.084	0.691± 0.099	1.684± 0.897
45 ppm	27	29.4± 5.6	0.047± 0.007	0.414± 0.996	0.598± 0.106	0.756± 0.322	1.570± 0.267

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

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

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

Group Name	NO. of Animals	SPLEEN	LIVER	BRAIN
Control	21	0.575± 0.423	4.827± 0.497	1.746± 0.195
5 ppm	32	0.723± 0.611	5.449± 1.786	1.599± 0.188
15 ppm	33	0.567± 0.456	5.123± 1.093	1.665± 0.153
45 ppm	27	1.101± 1.715	5.598± 2.193	1.660± 0.235

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

TABLE L1

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : MALE

ALL ANIMALS

Organ	Findings	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 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>			
	ulcer	0	6	0	0	0	2	0	0	0	8	0	0	0	3	0	0
		(0)	(12)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(16)	(0)	(0)	(0)	(6)	(0)	(0)
	scab	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)
(Respiratory system)																	
nasal cavit		<50>				<50>				<50>				<50>			
	exudate	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)
	mineralization	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	eosinophilic change:olfactory epithelium	19	0	1	0	20	2	0	0	21	0	0	0	24	2	0	0
		(38)	(0)	(2)	(0)	(40)	(4)	(0)	(0)	(42)	(0)	(0)	(0)	(48)	(4)	(0)	(0)
	eosinophilic change:respiratory epithelium	6	2	0	0	4	0	0	0	5	0	0	0	10	1	0	0
		(12)	(4)	(0)	(0)	(8)	(0)	(0)	(0)	(10)	(0)	(0)	(0)	(20)	(2)	(0)	(0)
	inflammation:olfactory epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(2)	(0)	(0)

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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	50				50				50				50			
(Respiratory system)																	
nasal cavit		<50>				<50>				<50>				<50>			
	respiratory metaplasia:olfactory epithelium	5 (10)	0 (0)	0 (0)	0 (0)	5 (10)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	8 (16)	1 (2)	0 (0)	0 (0)
	respiratory metaplasia:gland	27 (54)	0 (0)	0 (0)	0 (0)	15 (30)	0 (0)	0 (0)	0 * (0)	12 (24)	0 (0)	0 (0)	0 ** (0)	15 (30)	0 (0)	0 (0)	0 * (0)
	inflammation:transitional epithelium	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	6 (12)	0 (0)	0 (0)	0 (0)	22 (44)	0 (0)	0 (0)	0 ** (0)
	hyperplasia:transitional epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	19 (38)	0 (0)	0 (0)	0 ** (0)
	squamous cell metaplasia:transitional epithelium	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)
	erosion:transitional epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	ulcer:transitional epithelium	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)
	atrophy:olfactory epithelium	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	50				50				50				50			
{Respiratory system}																	
nasopharynx		<50>				<50>				<50>				<50>			
	eosinophilic change	1 (2)	2 (4)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
lung		<50>				<50>				<50>				<50>			
	edema	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	inflammatory infiltration	3 (6)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	5 (10)	1 (2)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)
	lymphocytic infiltration	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	accumulation of foamy cells	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	bronchiolar-alveolar cell hyperplasia	2 (4)	0 (0)	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)
	uremic pneumonitis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
{Hematopoietic system}																	
bone marrow		<50>				<50>				<50>				<50>			
	granulation	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

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

Organ	Findings	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 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}																	
bone marrow		<50>				<50>				<50>				<50>			
	increased hematopoiesis	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	granulopoiesis:increased	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
spleen		<50>				<50>				<50>				<50>			
	deposit of melanin	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	extramedullary hematopoiesis	15 (30)	3 (6)	0 (0)	0 (0)	9 (18)	10 (20)	0 (0)	0 (0)	12 (24)	5 (10)	0 (0)	0 (0)	18 (36)	4 (8)	0 (0)	0 (0)
	lymph-follicular hyperplasia	1 (2)	1 (2)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	1 (2)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)
	granulopoiesis:increased	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)
{Circulatory system}																	
heart		<50>				<50>				<50>				<50>			
	mineralization	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)

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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	50				50				50				50			
{Circulatory system}																	
heart		<50>				<50>				<50>				<50>			
	myocardial necrosis	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Digestive system}																	
tongue		<50>				<50>				<50>				<50>			
	fibrosis	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)
stomach		<50>				<50>				<50>				<50>			
	deposit of amyloid	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)
	ulcer:forestomach	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)
	hyperplasia:forestomach	1 (2)	1 (2)	2 (4)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
	erosion:glandular stomach	16 (32)	0 (0)	0 (0)	0 (0)	14 (28)	2 (4)	0 (0)	0 (0)	13 (26)	1 (2)	0 (0)	0 (0)	15 (30)	1 (2)	0 (0)	0 (0)

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

Organ	Findings	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	50				50				50				50			
(Digestive system)																	
stomach		<50>				<50>				<50>				<50>			
	hyperplasia:glandular stomach	5 (10)	0 (0)	0 (0)	0 (0)	5 (10)	1 (2)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	intestinal metaplasia:glandular stomach	3 (6)	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)
	dilated glands	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
small intes		<50>				<50>				<50>				<50>			
	deposit of amyloid	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)
	inflammation	0 (0)	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)
liver		<50>				<50>				<50>				<50>			
	angiectasis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	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)

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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	50				50				50				50			
	Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
{Digestive system}																	
liver		<50>				<50>				<50>				<50>			
	peliosis-like lesion	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)
	necrosis:focal	2 (4)	1 (2)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)
	inflammatory cell nest	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	intestinal metaplasia	1 (2)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	extramedullary hematopoiesis	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)
	acidophilic cell focus	2 (4)	1 (2)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)	1 (2)	2 (4)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)
	basophilic cell focus	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)
	bile duct hyperplasia	1 (2)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	50				50				50				50			
{Digestive system}																	
liver		<50>				<50>				<50>				<50>			
	biliary cyst	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)
gall bladd		<50>				<50>				<50>				<50>			
	hyperplasia	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
pancreas		<50>				<50>				<50>				<50>			
	islet cell hyperplasia	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Urinary system}																	
kidney		<50>				<50>				<50>				<50>			
	cyst	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	hyaline droplet	1 (2)	2 (4)	0 (0)	0 (0)	4 (8)	1 (2)	0 (0)	0 (0)	2 (4)	1 (2)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
	inflammatory infiltration	0 (0)	1 (2)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	3 (6)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	50				50				50				50			
	Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
(Urinary system)																	
kidney		<50>				<50>				<50>				<50>			
	lymphocytic infiltration	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
	osseous metaplasia	2 (4)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	scar	2 (4)	0 (0)	0 (0)	0 (0)	4 (8)	1 (2)	0 (0)	0 (0)	4 (8)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)
	inflammatory polyp	0 (0)	3 (6)	0 (0)	0 (0)	1 (2)	0 (0)	2 (4)	0 (0)	0 (0)	4 (8)	2 (4)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)
	hydronephrosis	0 (0)	3 (6)	1 (2)	0 (0)	0 (0)	1 (2)	2 (4)	0 (0)	0 (0)	3 (6)	3 (6)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)
	pyelonephritis	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	mineralization:cortex	6 (12)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	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)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	50				50				50				50			
{Urinary system}																	
kidney		<50>				<50>				<50>				<50>			
	atypical tubule hyperplasia	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	dilated pelvis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	inflammation:papilla	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	hyaline cast:urinary 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)	0 (0)	0 (0)	0 (0)
urin bladd		<50>				<50>				<50>				<50>			
	dilatation	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	7 (14)	0 (0)	0 (0)	0 (0)	7 (14)	0 (0)
	inflammatory infiltration	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)	1 (2)	0 (0)	0 (0)
	simple hyperplasia:transitional epithelium	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)	1 (2)	0 (0)	0 (0)
urethra		<50>				<50>				<50>				<50>			
	inflammation	1 (2)	1 (2)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	50				50				50				50			
(Endocrine system)																	
pituitary		<50>				<49>				<50>				<50>			
	angiectasis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	cyst	4 (8)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hyperplasia	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	2 (4)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)
	Rathke pouch	2 (4)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	5 (10)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)
thyroid		<50>				<50>				<50>				<50>			
	follicular hyperplasia	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
parathyroid		<50>				<50>				<50>				<50>			
	hyperplasia	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)
adrenal		<50>				<50>				<50>				<50>			
	spindle-cell hyperplasia	11 (22)	2 (4)	0 (0)	0 (0)	11 (22)	0 (0)	0 (0)	0 (0)	15 (30)	1 (2)	0 (0)	0 (0)	8 (16)	2 (4)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	50				50				50				50			
(Endocrine system)																	
adrenal		<50>				<50>				<50>				<50>			
	hyperplasia:cortical cell	3 (6)	1 (2)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	5 (10)	0 (0)	0 (0)	0 (0)	5 (10)	1 (2)	0 (0)	0 (0)
(Reproductive system)																	
testis		<50>				<50>				<50>				<50>			
	mineralization	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)
	interstitial cell 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)
epididymis		<50>				<50>				<50>				<50>			
	atrophy	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	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	lymphocytic infiltration	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

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

Organ	Findings	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	50				50				50				50			
	Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
(Reproductive system)																	
epididymis		<50>				<50>				<50>				<50>			
	spermatogenic granuloma	1 (2)	0 (0)	0 (0)	0 (0)	3 (6)	1 (2)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
semin ves		<50>				<50>				<50>				<50>			
	inflammatory infiltration	2 (4)	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)
prostate		<50>				<50>				<50>				<50>			
	inflammatory infiltration	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
(Nervous system)																	
brain		<50>				<50>				<50>				<50>			
	mineralization	19 (38)	0 (0)	0 (0)	0 (0)	12 (24)	0 (0)	0 (0)	0 (0)	9 (18)	0 (0)	0 (0)	0 * (0)	9 (18)	0 (0)	0 (0)	0 * (0)
(Special sense organs/appendage)																	
eye		<50>				<50>				<50>				<50>			
	cataract	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)	1 (2)	0 (0)	0 (0)

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

Organ	Findings	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 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>			
	retinal atrophy	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	keratitis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)
Harder gl		<50>				<50>				<50>				<50>			
	hyperplasia	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
(Musculoskeletal system)																	
bone		<50>				<50>				<50>				<50>			
	osteofibrosis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)

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

TABLE L2

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : MALE

DEAD AND MORIBUND ANIMALS

Organ	Findings / Group Name	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	No. of Animals on Study	9				16				14				13			
(Integumentary system/appandage)																	
skin/app		< 9>				<16>				<14>				<13>			
	ulcer	0	3	0	0	0	2	0	0	0	3	0	0	0	3	0	0
		(0)	(33)	(0)	(0)	(0)	(13)	(0)	(0)	(0)	(21)	(0)	(0)	(0)	(23)	(0)	(0)
subcutis		< 9>				<16>				<14>				<13>			
	metastasis:lung tumor	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
(Respiratory system)																	
nasal cavit		< 9>				<16>				<14>				<13>			
	leukemic cell infiltration	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(15)	(0)	(0)	(0)
	eosinophilic change:olfactory epithelium	4	0	0	0	6	1	0	0	5	0	0	0	3	1	0	0
		(44)	(0)	(0)	(0)	(38)	(6)	(0)	(0)	(36)	(0)	(0)	(0)	(23)	(8)	(0)	(0)
	eosinophilic change:respiratory epithelium	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
		(11)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(8)	(8)	(0)	(0)
	inflammation:olfactory epithelium	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
		(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(8)	(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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	9				16				14				13			
{Respiratory system}																	
nasal cavit		< 9>				<16>				<14>				<13>			
	respiratory metaplasia:olfactory epithelium	0 (0)	0 (0)	0 (0)	0 (0)	3 (19)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3 (23)	1 (8)	0 (0)	0 (0)
	respiratory metaplasia:gland	4 (44)	0 (0)	0 (0)	0 (0)	3 (19)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	2 (15)	0 (0)	0 (0)	0 (0)
	inflammation:transitional epithelium	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	5 (38)	0 (0)	0 (0)	0 (0)
	hyperplasia:transitional epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (15)	0 (0)	0 (0)	0 (0)
	squamous cell metaplasia:transitional epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	erosion:transitional epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)	0 (0)
	ulcer:transitional epithelium	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	atrophy:olfactory epithelium	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	No. of Animals on Study	9				16				14				13			
(Respiratory system)																	
trachea		< 9>				<16>				<14>				<13>			
	metastasis:lung tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
lung		< 9>				<16>				<14>				<13>			
	edema	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)	0 (0)
	inflammatory infiltration	2 (22)	0 (0)	0 (0)	0 (0)	2 (13)	0 (0)	0 (0)	0 (0)	2 (14)	0 (0)	0 (0)	0 (0)	2 (15)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	1 (11)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	2 (14)	0 (0)	0 (0)	0 (0)	1 (8)	1 (8)	0 (0)	0 (0)
	metastasis:liver tumor	1 (11)	0 (0)	0 (0)	0 (0)	5 (31)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)
	metastasis:peritoneum tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:spleen tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:kidney tumor	0 (0)	1 (11)	0 (0)	0 (0)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	9				16				14				13			
{Respiratory system}																	
lung		< 9>				<16>				<14>				<13>			
	metastasis:lymph node tumor	1 (11)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	accumulation of foamy cells	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	uremic pneumonitis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	2 (15)	0 (0)	0 (0)	0 (0)
{Hematopoietic system}																	
bone marrow		< 9>				<16>				<14>				<13>			
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)	0 (0)
	metastasis:liver tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:spleen tumor	1 (11)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)	0 (0)
	metastasis:lymph node tumor	1 (11)	0 (0)	0 (0)	0 (0)	1 (6)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	9				16				14				13			
{Hematopoietic system}																	
bone marrow		<9>				<16>				<14>				<13>			
	increased hematopoiesis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)	0 (0)
	granulopoiesis:increased	1 (11)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
lymph node		<9>				<16>				<14>				<13>			
	metastasis:liver tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:lung tumor	0 (0)	0 (0)	0 (0)	0 (0)	2 (13)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
spleen		<9>				<16>				<14>				<13>			
	leukemic cell infiltration	0 (0)	1 (11)	0 (0)	0 (0)	1 (6)	1 (6)	0 (0)	0 (0)	0 (0)	2 (14)	0 (0)	0 (0)	0 (0)	3 (23)	0 (0)	0 (0)
	metastasis:liver tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:subcutis tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (7)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	9				16				14				13			
(Hematopoietic system)																	
spleen		< 9>				<16>				<14>				<13>			
	metastasis:lymph node tumor	0 (0)	1 (11)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	extramedullary hematopoiesis	4 (44)	0 (0)	0 (0)	0 (0)	1 (6)	7 (44)	0 (0)	0 * (0)	2 (14)	3 (21)	0 (0)	0 (0)	3 (23)	2 (15)	0 (0)	0 (0)
	lymph-follicular hyperplasia	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	granulopoiesis:increased	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 (8)	0 (0)	0 (0)	0 (0)
(Circulatory system)																	
heart		< 9>				<16>				<14>				<13>			
	mineralization	1 (11)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (15)	0 (0)	0 (0)	0 (0)
	metastasis:lung tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
(Digestive system)																	
tongue		< 9>				<16>				<14>				<13>			
	fibrosis	1 (11)	0 (0)	0 (0)	0 (0)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	9				16				14				13			
{Digestive system}																	
salivary gl		<9>				<16>				<14>				<13>			
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)	0 (0)
stomach		<9>				<16>				<14>				<13>			
	metastasis:lung tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hyperplasia:forestomach	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	erosion:glandular stomach	1 (11)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)	0 (0)
small intes		<9>				<16>				<14>				<13>			
	leukemic cell infiltration	1 (11)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
liver		<9>				<16>				<14>				<13>			
	angiectasis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	0 (0)	1 (11)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	1 (8)	1 (8)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	9				16				14				13			
(Digestive system)																	
liver		< 9>				<16>				<14>				<13>			
	metastasis:subcutis tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:spleen tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)
	metastasis:lymph node tumor	0 (0)	1 (11)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	basophilic cell focus	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	biliary cyst	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)	0 (0)
pancreas		< 9>				<16>				<14>				<13>			
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)	0 (0)
	islet cell hyperplasia	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
(Urinary system)																	
kidney		< 9>				<16>				<14>				<13>			
	cyst	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	9				16				14				13			
	Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
{Urinary system}																	
kidney		<9>				<16>				<14>				<13>			
	hyaline droplet	0 (0)	2 (22)	0 (0)	0 (0)	3 (19)	1 (6)	0 (0)	0 (0)	2 (14)	1 (7)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)	0 (0)
	inflammatory infiltration	0 (0)	1 (11)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	scar	1 (11)	0 (0)	0 (0)	0 (0)	2 (13)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	inflammatory polyp	0 (0)	2 (22)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	3 (21)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	1 (11)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)
	metastasis:lung tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hydronephrosis	0 (0)	1 (11)	1 (11)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	1 (7)	3 (21)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	pyelonephritis	1 (11)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	2 (14)	0 (0)	0 (0)	0 (0)	1 (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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	9				16				14				13			
{Urinary system}																	
kidney		< 9>				<16>				<14>				<13>			
	mineralization:cortex	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)	0 (0)
	dilated pelvis	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 (8)	0 (0)	0 (0)	0 (0)
	inflammation:papilla	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)	0 (0)
urin bladd		< 9>				<16>				<14>				<13>			
	dilatation	0 (0)	0 (0)	3 (33)	0 (0)	0 (0)	0 (0)	3 (19)	0 (0)	0 (0)	0 (0)	4 (29)	0 (0)	0 (0)	0 (0)	7 (54)	0 (0)
	inflammatory infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)	0 (0)
	metastasis:liver tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	simple hyperplasia:transitional epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	0 (0)	1 (8)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	9				16				14				13			
{Urinary system}																	
urethra		< 9>				<16>				<14>				<13>			
	inflammation	1 (11)	1 (11)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	1 (7)	1 (7)	0 (0)	0 (0)	0 (0)	2 (15)	0 (0)	0 (0)
{Endocrine system}																	
pituitary		< 9>				<15>				<14>				<13>			
	cyst	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	Rathke pouch	1 (11)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (14)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
adrenal		< 9>				<16>				<14>				<13>			
	metastasis:kidney tumor	1 (11)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	spindle-cell hyperplasia	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Reproductive system}																	
testis		< 9>				<16>				<14>				<13>			
	metastasis:liver tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	9				16				14				13			
(Reproductive system)																	
epididymis		< 9>				<16>				<14>				<13>			
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)	0 (0)
	spermatogenic granuloma	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
semin ves		< 9>				<16>				<14>				<13>			
	inflammatory infiltration	1 (11)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)	0 (0)
prostate		< 9>				<16>				<14>				<13>			
	inflammatory infiltration	1 (11)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)	0 (0)
(Nervous system)																	
brain		< 9>				<16>				<14>				<13>			
	mineralization	1 (11)	0 (0)	0 (0)	0 (0)	2 (13)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	2 (15)	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 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	No. of Animals on Study	9				16				14				13			
{Special sense organs/appendage}																	
eye		< 9>				<16>				<14>				<13>			
	keratitis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	1 (7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
Harder gl		< 9>				<16>				<14>				<13>			
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (8)	0 (0)	0 (0)	0 (0)
{Body cavities}																	
pleura		< 9>				<16>				<14>				<13>			
	metastasis:lung tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (13)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
mediastinum		< 9>				<16>				<14>				<13>			
	metastasis:lung tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
peritoneum		< 9>				<16>				<14>				<13>			
	metastasis:liver tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:lung tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	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 L3

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : MALE

SACRIFICED ANIMALS

Organ	Findings	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	41				34				36				37			
	Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
(Integumentary system/appandage)																	
skin/app		<41>				<34>				<36>				<37>			
	ulcer	0 (0)	3 (7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (14)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	scab	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
subcutis		<41>				<34>				<36>				<37>			
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
(Respiratory system)																	
nasal cavit		<41>				<34>				<36>				<37>			
	exudate	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	mineralization	0 (0)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:Harderian gland tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	41				34				36				37			
	Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
(Respiratory system)																	
nasal cavit		<41>				<34>				<36>				<37>			
	eosinophilic change:olfactory epithelium	15 (37)	0 (0)	1 (2)	0 (0)	14 (41)	1 (3)	0 (0)	0 (0)	16 (44)	0 (0)	0 (0)	0 (0)	21 (57)	1 (3)	0 (0)	0 (0)
	eosinophilic change:respiratory epithelium	5 (12)	2 (5)	0 (0)	0 (0)	4 (12)	0 (0)	0 (0)	0 (0)	5 (14)	0 (0)	0 (0)	0 (0)	9 (24)	0 (0)	0 (0)	0 (0)
	respiratory metaplasia:olfactory epithelium	5 (12)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	5 (14)	0 (0)	0 (0)	0 (0)
	respiratory metaplasia:gland	23 (56)	0 (0)	0 (0)	0 (0)	12 (35)	0 (0)	0 (0)	0 (0)	11 (31)	0 (0)	0 (0)	0 * (0)	13 (35)	0 (0)	0 (0)	0 (0)
	inflammation:transitional epithelium	1 (2)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	5 (14)	0 (0)	0 (0)	0 (0)	17 (46)	0 (0)	0 (0)	0 ** (0)
	hyperplasia:transitional epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	17 (46)	0 (0)	0 (0)	0 ** (0)
	squamous cell metaplasia:transitional epithelium	1 (2)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	atrophy:olfactory epithelium	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	41				34				36				37			
(Respiratory system)																	
nasopharynx		<41>				<34>				<36>				<37>			
	eosinophilic change	1 (2)	2 (5)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
lung		<41>				<34>				<36>				<37>			
	inflammatory infiltration	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3 (8)	1 (3)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	lymphocytic infiltration	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	2 (5)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	1 (3)	0 (0)	0 (0)	2 (5)	0 (0)	0 (0)	0 (0)
	metastasis:liver tumor	1 (2)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:peritoneum tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:Harderian gland tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	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)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	41				34				36				37			
{Respiratory system}																	
lung		<41>				<34>				<36>				<37>			
	bronchiolar-alveolar cell hyperplasia	2 (5)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	1 (3)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Hematopoietic system}																	
bone marrow		<41>				<34>				<36>				<37>			
	granulation	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)
	leukemic cell infiltration	2 (5)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	metastasis:peritoneum tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:spleen tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	increased hematopoiesis	2 (5)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
lymph node		<41>				<34>				<36>				<37>			
	metastasis:subcutis tumor	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

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

Organ	Findings	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	41				34				36				37			
	Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
(Hematopoietic system)																	
spleen		<41>				<34>				<36>				<37>			
	deposit of melanin	1 (2)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	1 (2)	3 (7)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	4 (11)	2 (6)	0 (0)	0 (0)	0 (0)	2 (5)	0 (0)	0 (0)
	metastasis:liver tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:epididymis tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	extramedullary hematopoiesis	11 (27)	3 (7)	0 (0)	0 (0)	8 (24)	3 (9)	0 (0)	0 (0)	10 (28)	2 (6)	0 (0)	0 (0)	15 (41)	2 (5)	0 (0)	0 (0)
	lymph-follicular hyperplasia	1 (2)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (6)	1 (3)	0 (0)	0 (0)	1 (3)	1 (3)	0 (0)	0 (0)
(Circulatory system)																	
heart		<41>				<34>				<36>				<37>			
	mineralization	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	41				34				36				37			
{Circulatory system}																	
heart		<41>				<34>				<36>				<37>			
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	myocardial necrosis	2 (5)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Digestive system}																	
salivary gl		<41>				<34>				<36>				<37>			
	leukemic cell infiltration	1 (2)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
stomach		<41>				<34>				<36>				<37>			
	deposit of amyloid	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:epididymis tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	ulcer:forestomach	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	41				34				36				37			
{Digestive system}																	
stomach		<41>				<34>				<36>				<37>			
	hyperplasia:forestomach	1 (2)	1 (2)	2 (5)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	2 (5)	0 (0)	0 (0)	0 (0)
	erosion:glandular stomach	15 (37)	0 (0)	0 (0)	0 (0)	13 (38)	2 (6)	0 (0)	0 (0)	12 (33)	1 (3)	0 (0)	0 (0)	14 (38)	1 (3)	0 (0)	0 (0)
	hyperplasia:glandular stomach	5 (12)	0 (0)	0 (0)	0 (0)	5 (15)	1 (3)	0 (0)	0 (0)	1 (3)	1 (3)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	intestinal metaplasia:glandular stomach	3 (7)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	dilated glands	2 (5)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
small intes		<41>				<34>				<36>				<37>			
	deposit of amyloid	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	inflammation	0 (0)	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 (3)	0 (0)	0 (0)
	leukemic cell infiltration	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	1 (3)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	41				34				36				37			
{Digestive system}																	
small intes		<41>				<34>				<36>				<37>			
	metastasis:epididymis tumor	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 (3)	0 (0)	0 (0)	0 (0)
	metastasis:lymph node tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
liver		<41>				<34>				<36>				<37>			
	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)
	peliosis-like lesion	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	necrosis:focal	2 (5)	1 (2)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)
	inflammatory cell nest	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	intestinal metaplasia	1 (2)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	2 (5)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	41				34				36				37			
	Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
(Digestive system)																	
liver		<41>				<34>				<36>				<37>			
	metastasis:peritoneum tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	metastasis:spleen tumor	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)
	extramedullary hematopoiesis	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)
	acidophilic cell focus	2 (5)	1 (2)	0 (0)	0 (0)	1 (3)	1 (3)	0 (0)	0 (0)	1 (3)	2 (6)	0 (0)	0 (0)	1 (3)	1 (3)	0 (0)	0 (0)
	bile duct hyperplasia	1 (2)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	biliary cyst	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)
gall bladd		<41>				<34>				<36>				<37>			
	hyperplasia	1 (2)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	41				34				36				37			
(Digestive system)																	
gall bladd		<41>				<34>				<36>				<37>			
	metastasis:peritoneum tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
pancreas		<41>				<34>				<36>				<37>			
	metastasis:peritoneum tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	islet cell hyperplasia	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
(Urinary system)																	
kidney		<41>				<34>				<36>				<37>			
	hyaline droplet	1 (2)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	inflammatory infiltration	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	lymphocytic infiltration	1 (2)	0 (0)	0 (0)	0 (0)	1 (3)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (5)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	41				34				36				37			
(Urinary system)																	
kidney		<41>				<34>				<36>				<37>			
	osseous metaplasia	2 (5)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	scar	1 (2)	0 (0)	0 (0)	0 (0)	2 (6)	1 (3)	0 (0)	0 (0)	4 (11)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)
	inflammatory polyp	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	1 (3)	2 (6)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)
	leukemic cell infiltration	2 (5)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)
	metastasis:peritoneum tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:spleen tumor	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)
	metastasis:epididymis tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hydronephrosis	0 (0)	2 (5)	0 (0)	0 (0)	0 (0)	1 (3)	1 (3)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)

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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	41				34				36				37			
(Urinary system)																	
kidney		<41>				<34>				<36>				<37>			
	mineralization:cortex	6 (15)	0 (0)	0 (0)	0 (0)	3 (9)	0 (0)	0 (0)	0 (0)	3 (8)	0 (0)	0 (0)	0 (0)	3 (8)	0 (0)	0 (0)	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)	0 (0)	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)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	hyaline cast:urinary tubule	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
ureter		<41>				<34>				<36>				<37>			
	metastasis:large intestine tumor	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)
urin bladd		<41>				<34>				<36>				<37>			
	dilatation	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3 (8)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	41				34				36				37			
{Urinary system}																	
urin bladd		<41>				<34>				<36>				<37>			
	metastasis:liver tumor	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)
{Endocrine system}																	
pituitary		<41>				<34>				<36>				<37>			
	angiectasis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	cyst	4 (10)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hyperplasia	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	2 (6)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)
	Rathke pouch	1 (2)	0 (0)	0 (0)	0 (0)	3 (9)	0 (0)	0 (0)	0 (0)	3 (8)	0 (0)	0 (0)	0 (0)	3 (8)	0 (0)	0 (0)	0 (0)
thyroid		<41>				<34>				<36>				<37>			
	follicular hyperplasia	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	41				34				36				37			
{Endocrine system}																	
parathyroid		<41>				<34>				<36>				<37>			
	hyperplasia	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
adrenal		<41>				<34>				<36>				<37>			
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:peritoneum tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	spindle-cell hyperplasia	11 (27)	2 (5)	0 (0)	0 (0)	11 (32)	0 (0)	0 (0)	0 (0)	14 (39)	1 (3)	0 (0)	0 (0)	8 (22)	2 (5)	0 (0)	0 (0)
	hyperplasia:cortical cell	3 (7)	1 (2)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	5 (14)	0 (0)	0 (0)	0 (0)	5 (14)	1 (3)	0 (0)	0 (0)
{Reproductive system}																	
testis		<41>				<34>				<36>				<37>			
	mineralization	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	41				34				36				37			
	Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
{Reproductive system}																	
testis		〈41〉				〈34〉				〈36〉				〈37〉			
	metastasis:liver tumor	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)
	interstitial cell 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)
epididymis		〈41〉				〈34〉				〈36〉				〈37〉			
	atrophy	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	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	lymphocytic infiltration	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)
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:liver tumor	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)
	metastasis:peritoneum tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	41				34				36				37			
	Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
(Reproductive system)																	
epididymis		<41>				<34>				<36>				<37>			
	spermatogenic granuloma	1	0	0	0	3	0	0	0	2	0	0	0	0	0	0	0
		(2)	(0)	(0)	(0)	(9)	(0)	(0)	(0)	(6)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
semin ves		<41>				<34>				<36>				<37>			
	inflammatory infiltration	1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
		(2)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	leukemic cell infiltration	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
prostate		<41>				<34>				<36>				<37>			
	inflammatory infiltration	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	leukemic cell infiltration	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
		(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(3)	(0)	(0)	(0)
(Nervous system)																	
brain		<41>				<34>				<36>				<37>			
	mineralization	18	0	0	0	10	0	0	0	8	0	0	0	7	0	0	0 *
		(44)	(0)	(0)	(0)	(29)	(0)	(0)	(0)	(22)	(0)	(0)	(0)	(19)	(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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	41				34				36				37			
	Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
(Special sense organs/appendage)																	
eye		<41>				<34>				<36>				<37>			
	cataract	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)
	retinal atrophy	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	keratitis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	1 (3)	1 (3)	0 (0)	0 (0)
Harder gl		<41>				<34>				<36>				<37>			
	hyperplasia	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
(Musculoskeletal system)																	
bone		<41>				<34>				<36>				<37>			
	osteofibrosis	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 (3)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	41				34				36				37			
	Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
{Body cavities}																	
peritoneum		<41>				<34>				<36>				<37>			
	leukemic cell 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)
	metastasis:liver tumor	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

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

TABLE L4

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : FEMALE

ALL ANIMALS

Organ	Findings	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 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>			
	scab	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)
(Respiratory system)																	
nasal cavit		<50>				<50>				<50>				<50>			
	eosinophilic change:olfactory epithelium	27	1	0	0	30	0	0	0	27	1	0	0	39	4	0	0 **
		(54)	(2)	(0)	(0)	(60)	(0)	(0)	(0)	(54)	(2)	(0)	(0)	(78)	(8)	(0)	(0)
	eosinophilic change:respiratory epithelium	32	9	1	0	38	7	0	0	36	6	0	0	40	5	0	0
		(64)	(18)	(2)	(0)	(76)	(14)	(0)	(0)	(72)	(12)	(0)	(0)	(80)	(10)	(0)	(0)
	inflammation:olfactory epithelium	2	0	0	0	1	0	0	0	2	0	0	0	0	0	0	0
		(4)	(0)	(0)	(0)	(2)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	respiratory metaplasia:olfactory epithelium	13	0	0	0	11	0	0	0	6	0	0	0	17	2	0	0
		(26)	(0)	(0)	(0)	(22)	(0)	(0)	(0)	(12)	(0)	(0)	(0)	(34)	(4)	(0)	(0)
	respiratory metaplasia:gland	32	0	0	0	32	0	0	0	28	0	0	0	30	0	0	0
		(64)	(0)	(0)	(0)	(64)	(0)	(0)	(0)	(56)	(0)	(0)	(0)	(60)	(0)	(0)	(0)
	inflammation:transitional epithelium	8	0	0	0	13	0	0	0	30	0	0	0 **	45	0	0	0 **
		(16)	(0)	(0)	(0)	(26)	(0)	(0)	(0)	(60)	(0)	(0)	(0)	(90)	(0)	(0)	(0)

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

Organ	Findings	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	50				50				50				50			
(Respiratory system)																	
nasal cavit		<50>				<50>				<50>				<50>			
	hyperplasia:transitional epithelium	4 (8)	0 (0)	0 (0)	0 (0)	6 (12)	0 (0)	0 (0)	0 (0)	15 (30)	0 (0)	0 (0)	0 * (0)	32 (64)	1 (2)	0 (0)	0 ** (0)
	inflammtory infiltration:respiratory epithelium	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)
	squamous cell metaplasia:transitional epithelium	3 (6)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)	16 (32)	1 (2)	0 (0)	0 ** (0)
	erosion:transitional epithelium	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
	ulcer:transitional epithelium	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)
	atrophy:olfactory epithelium	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)
	hyperplasia:respiratory epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	erosion:olfactory epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	50				50				50				50			
{Respiratory system}																	
nasopharynx		<50>				<50>				<50>				<50>			
	eosinophilic change	11 (22)	1 (2)	0 (0)	0 (0)	12 (24)	0 (0)	0 (0)	0 (0)	10 (20)	0 (0)	0 (0)	0 (0)	9 (18)	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)	1 (2)	0 (0)	0 (0)	0 (0)
	edema	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)
	inflammatory infiltration	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	lymphocytic infiltration	0 (0)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	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)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	bronchiolar-alveolar cell hyperplasia	1 (2)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
	uremic pneumonitis	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)

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

Organ	Findings	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	50				50				50				50			
(Hematopoietic system)																	
bone marrow		<50>				<50>				<50>				<50>			
	deposit of hemosiderin	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
	granulation	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)	0 (0)
	increased hematopoiesis	2 (4)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	7 (14)	0 (0)	0 (0)	0 (0)	8 (16)	0 (0)	0 (0)	0 (0)
	myelofibrosis	2 (4)	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)
lymph node		<50>				<50>				<50>				<50>			
	lymphadenitis	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)
spleen		<50>				<50>				<50>				<50>			
	deposit of melanin	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)
	extramedullary hematopoiesis	8 (16)	10 (20)	4 (8)	0 (0)	11 (22)	7 (14)	1 (2)	0 (0)	7 (14)	4 (8)	1 (2)	0 (0)	13 (26)	5 (10)	3 (6)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 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>			
	lymph-follicular hyperplasia	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)
(Circulatory system)																	
heart		<50>				<50>				<50>				<50>			
	thrombus	2 (4)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	mineralization	1 (2)	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)	0 (0)
	myocardial necrosis	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)
	arteritis	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)
(Digestive system)																	
tongue		<50>				<50>				<50>				<50>			
	inflammatory infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	50				50				50				50			
{Digestive system}																	
salivary gl		<50>				<50>				<50>				<50>			
	lymphocytic infiltration	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
stomach		<50>				<50>				<50>				<50>			
	hyperplasia:forestomach	1 (2)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	2 (4)	1 (2)	0 (0)	0 (0)
	erosion:glandular stomach	7 (14)	5 (10)	0 (0)	0 (0)	4 (8)	3 (6)	1 (2)	0 (0)	12 (24)	1 (2)	0 (0)	0 (0)	10 (20)	2 (4)	1 (2)	0 (0)
	ulcer:glandular stomach	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	3 (6)	1 (2)	0 (0)	0 (0)
	hyperplasia:glandular stomach	5 (10)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
	intestinal metaplasia:glandular stomach	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	dilated glands	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)
liver		<50>				<50>				<50>				<50>			
	angiectasis	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	50				50				50				50			
(Digestive system)																	
liver		<50>				<50>				<50>				<50>			
	peliosis-like lesion	0 (0)	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)
	necrosis:focal	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	inflammatory infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	lymphocytic infiltration	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	inflammatory cell nest	1 (2)	0 (0)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)	7 (14)	0 (0)	0 (0)	0 (0)	6 (12)	0 (0)	0 (0)	0 (0)
	extramedullary hematopoiesis	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)
	acidophilic cell focus	1 (2)	0 (0)	1 (2)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)
	biliary cyst	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	1 (2)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	50				50				50				50			
	Grade																
(Digestive system)																	
gall bladd		<50>				<50>				<50>				<50>			
	malformation	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)
	cyst	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	hyperplasia	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	intestinal metaplasia	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)
(Urinary system)																	
kidney		<50>				<50>				<50>				<50>			
	cyst	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hyaline droplet	11 (22)	6 (12)	0 (0)	0 (0)	6 (12)	6 (12)	0 (0)	0 (0)	9 (18)	3 (6)	0 (0)	0 (0)	4 (8)	3 (6)	0 (0)	0 (0)
	inflammatory infiltration	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)

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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	50				50				50				50			
(Urinary system)																	
kidney		<50>				<50>				<50>				<50>			
	lymphocytic infiltration	1 (2)	0 (0)	0 (0)	0 (0)	3 (6)	1 (2)	0 (0)	0 (0)	4 (8)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
	scar	2 (4)	0 (0)	0 (0)	0 (0)	3 (6)	3 (6)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	1 (2)	5 (10)	0 (0)	0 (0)
	inflammatory polyp	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)
	hydronephrosis	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	3 (6)	0 (0)	1 (2)	0 (0)
	mineralization:cortex	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)
	glomerulosclerosis	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)	0 (0)	0 (0)
urin bladd		<50>				<50>				<50>				<50>			
	dilatation	0 (0)	1 (2)	1 (2)	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)
	inflammatory infiltration	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	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	50				50				50				50			
	Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
[Urinary system]																	
urin bladd		<50>				<50>				<50>				<50>			
	lymphocytic infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
[Endocrine system]																	
pituitary		<49>				<50>				<50>				<49>			
	hemorrhage	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)
	cyst	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)
	hyperplasia	11 (22)	2 (4)	0 (0)	0 (0)	14 (28)	4 (8)	0 (0)	0 (0)	5 (10)	6 (12)	0 (0)	0 (0)	6 (12)	5 (10)	1 (2)	0 (0)
	Rathke pouch	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)
thyroid		<50>				<50>				<50>				<50>			
	cyst	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)

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

Organ	Findings	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	50				50				50				50			
{Endocrine system}																	
thyroid		<50>				<50>				<50>				<50>			
	ultimobranchial body remanet	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)
	C-cell hyperplasia	0 (0)	0 (0)	0 (0)	0 (0)	2 (4)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
adrenal		<50>				<50>				<50>				<50>			
	spindle-cell hyperplasia	23 (46)	24 (48)	0 (0)	0 (0)	25 (50)	22 (44)	0 (0)	0 (0)	16 (32)	31 (62)	0 (0)	0 (0)	20 (40)	29 (58)	0 (0)	0 (0)
	focal fatty change:cortex	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)	1 (2)	2 (4)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
{Reproductive system}																	
ovary		<50>				<50>				<50>				<50>			
	angiectasis	1 (2)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	thrombus	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	50				50				50				50			
{Reproductive system}																	
ovary		<50>				<50>				<50>				<50>			
	cyst	8 (16)	0 (0)	0 (0)	0 (0)	12 (24)	0 (0)	0 (0)	0 (0)	8 (16)	0 (0)	0 (0)	0 (0)	12 (24)	1 (2)	0 (0)	0 (0)
uterus		<50>				<50>				<50>				<50>			
	dilatation	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	angiectasis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	cystic endometrial hyperplasia	27 (54)	0 (0)	0 (0)	0 (0)	22 (44)	1 (2)	0 (0)	0 (0)	33 (66)	0 (0)	0 (0)	0 (0)	20 (40)	0 (0)	1 (2)	0 (0)
{Nervous system}																	
brain		<50>				<50>				<50>				<50>			
	deformity	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)
	vacuolic change	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)

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

Organ	Findings	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 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+
(Nervous system)																	
brain		<50>				<50>				<50>				<50>			
	mineralization	3 (6)	0 (0)	0 (0)	0 (0)	6 (12)	0 (0)	0 (0)	0 (0)	3 (6)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
(Special sense organs/appendage)																	
Harder gl		<50>				<50>				<50>				<50>			
	inflammatory infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)
	hyperplasia	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
(Musculoskeletal system)																	
muscle		<50>				<50>				<50>				<50>			
	mineralization	1 (2)	0 (0)	0 (0)	0 (0)	1 (2)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

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 L5

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : FEMALE

DEAD AND MORIBUND ANIMALS

Organ	Findings	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	28				16				17				21			
{Integumentary system/appandage}																	
skin/app		<28>				<16>				<17>				<21>			
	scab	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
subcutis		<28>				<16>				<17>				<21>			
	leukemic cell infiltration	0 (0)	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:uterus tumor	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Respiratory system}																	
nasal cavit		<28>				<16>				<17>				<21>			
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	2 (12)	0 (0)	0 (0)	0 (0)	0 (0)	1 (5)	0 (0)	0 (0)
	metastasis:uterus tumor	2 (7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	eosinophilic change:olfactory epithelium	10 (36)	1 (4)	0 (0)	0 (0)	9 (56)	0 (0)	0 (0)	0 (0)	8 (47)	0 (0)	0 (0)	0 (0)	15 (71)	2 (10)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	28				16				17				21			
	Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
(Respiratory system)																	
nasal cavit		<28>				<16>				<17>				<21>			
	eosinophilic change:respiratory epithelium	19 (68)	2 (7)	0 (0)	0 (0)	12 (75)	1 (6)	0 (0)	0 (0)	9 (53)	3 (18)	0 (0)	0 (0)	15 (71)	2 (10)	0 (0)	0 (0)
	inflammation:olfactory epithelium	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	respiratory metaplasia:olfactory epithelium	5 (18)	0 (0)	0 (0)	0 (0)	6 (38)	0 (0)	0 (0)	0 (0)	2 (12)	0 (0)	0 (0)	0 (0)	8 (38)	0 (0)	0 (0)	0 (0)
	respiratory metaplasia:gland	14 (50)	0 (0)	0 (0)	0 (0)	5 (31)	0 (0)	0 (0)	0 (0)	7 (41)	0 (0)	0 (0)	0 (0)	10 (48)	0 (0)	0 (0)	0 (0)
	inflammation:transitional epithelium	3 (11)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (29)	0 (0)	0 (0)	0 (0)	17 (81)	0 (0)	0 (0)	0 (0) **
	hyperplasia:transitional epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	9 (43)	1 (5)	0 (0)	0 (0) **
	squamous cell metaplasia:transitional epithelium	1 (4)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	3 (18)	0 (0)	0 (0)	0 (0)	5 (24)	1 (5)	0 (0)	0 (0) *
	erosion:transitional epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	1 (5)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	28				16				17				21			
(Respiratory system)																	
nasal cavit		<28>				<16>				<17>				<21>			
	ulcer:transitional epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3 (14)	0 (0)	0 (0)	0 (0)
	atrophy:olfactory epithelium	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hyperplasia:respiratory epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
nasopharynx		<28>				<16>				<17>				<21>			
	eosinophilic change	5 (18)	0 (0)	0 (0)	0 (0)	4 (25)	0 (0)	0 (0)	0 (0)	3 (18)	0 (0)	0 (0)	0 (0)	2 (10)	0 (0)	0 (0)	0 (0)
lung		<28>				<16>				<17>				<21>			
	hemorrhage	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (5)	0 (0)	0 (0)	0 (0)
	edema	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	9 (32)	0 (0)	0 (0)	0 (0)	5 (31)	0 (0)	0 (0)	0 (0)	7 (41)	0 (0)	0 (0)	0 (0)	7 (33)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	28				16				17				21			
(Respiratory system)																	
lung		<28>				<16>				<17>				<21>			
	metastasis:liver tumor	2 (7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:uterus tumor	5 (18)	0 (0)	0 (0)	0 (0)	3 (19)	0 (0)	0 (0)	0 (0)	4 (24)	0 (0)	0 (0)	0 (0)	3 (14)	0 (0)	0 (0)	0 (0)
	metastasis:subcutis tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	2 (12)	0 (0)	0 (0)	0 (0)	1 (5)	0 (0)	0 (0)	0 (0)
	metastasis:peripheral nerve tumor	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:spleen tumor	0 (0)	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:pleura tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	accumulation of foamy cells	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	bronchiolar-alveolar cell hyperplasia	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	28				16				17				21			
(Respiratory system)																	
lung		<28>				<16>				<17>				<21>			
	uremic pneumonitis	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (5)	0 (0)	0 (0)	0 (0)
(Hematopoietic system)																	
bone marrow		<28>				<16>				<17>				<21>			
	deposit of hemosiderin	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	1 (5)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	1 (4)	0 (0)	0 (0)	0 (0)	4 (25)	0 (0)	0 (0)	0 (0)	3 (18)	0 (0)	0 (0)	0 (0)	2 (10)	0 (0)	0 (0)	0 (0)
	metastasis:liver tumor	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:uterus tumor	4 (14)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	1 (5)	0 (0)	0 (0)	0 (0)
	metastasis:subcutis tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:peripheral nerve tumor	1 (4)	0 (0)	0 (0)	0 (0)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	28				16				17				21			
(Hematopoietic system)																	
bone marrow		<28>				<16>				<17>				<21>			
	metastasis:spleen tumor	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 (5)	0 (0)	0 (0)	0 (0)
	increased hematopoiesis	2 (7)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	2 (12)	0 (0)	0 (0)	0 (0)	4 (19)	0 (0)	0 (0)	0 (0)
	myelofibrosis	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
lymph node		<28>				<16>				<17>				<21>			
	metastasis:liver tumor	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:uterus tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:subcutis tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	1 (6)	0 (0)	0 (0)	2 (12)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:spleen tumor	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:urinary bladder tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	28				16				17				21			
	Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
{Hematopoietic system}																	
spleen		<28>				<16>				<17>				<21>			
	deposit of melanin	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	2 (7)	5 (18)	0 (0)	0 (0)	3 (19)	2 (13)	0 (0)	0 (0)	4 (24)	3 (18)	1 (6)	0 (0)	3 (14)	3 (14)	0 (0)	0 (0)
	metastasis:uterus tumor	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (12)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:subcutis tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	extramedullary hematopoiesis	1 (4)	10 (36)	4 (14)	0 (0)	4 (25)	4 (25)	1 (6)	0 (0)	0 (0)	2 (12)	1 (6)	0 (0)	4 (19)	4 (19)	1 (5)	0 (0)
{Circulatory system}																	
heart		<28>				<16>				<17>				<21>			
	thrombus	2 (7)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	mineralization	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (5)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	28				16				17				21			
{Circulatory system}																	
heart		<28>				<16>				<17>				<21>			
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:uterus tumor	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:pleura tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	myocardial necrosis	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (5)	0 (0)	0 (0)	0 (0)
	arteritis	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Digestive system}																	
tongue		<28>				<16>				<17>				<21>			
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (5)	0 (0)	0 (0)	0 (0)
salivary gl		<28>				<16>				<17>				<21>			
	lymphocytic infiltration	1 (4)	0 (0)	0 (0)	0 (0)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	28				16				17				21			
(Digestive system)																	
salivary gl		<28>				<16>				<17>				<21>			
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	1 (6)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	1 (5)	0 (0)	0 (0)	0 (0)
	metastasis:uterus tumor	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
stomach		<28>				<16>				<17>				<21>			
	leukemic cell infiltration	0 (0)	1 (4)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hyperplasia:forestomach	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	1 (5)	1 (5)	0 (0)	0 (0)
	erosion:glandular stomach	2 (7)	2 (7)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (5)	1 (5)	0 (0)	0 (0)
	ulcer:glandular stomach	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (12)	0 (0)	0 (0)	0 (0)	1 (5)	0 (0)	0 (0)	0 (0)
	hyperplasia:glandular stomach	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
liver		<28>				<16>				<17>				<21>			
	angiectasis	1 (4)	0 (0)	0 (0)	0 (0)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	28				16				17				21			
{Digestive system}																	
liver		<28>				<16>				<17>				<21>			
	inflammatory cell nest	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (5)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	3 (11)	3 (11)	0 (0)	0 (0)	2 (13)	1 (6)	0 (0)	0 (0)	2 (12)	1 (6)	0 (0)	0 (0)	5 (24)	1 (5)	0 (0)	0 (0)
	metastasis:uterus tumor	3 (11)	7 (25)	0 (0)	0 (0)	2 (13)	2 (13)	0 (0)	0 (0)	2 (12)	3 (18)	0 (0)	0 (0)	2 (10)	3 (14)	0 (0)	0 (0)
	metastasis:subcutis tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	2 (12)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:peripheral nerve tumor	0 (0)	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:spleen tumor	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:urinary bladder tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	extramedullary hematopoiesis	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (5)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	28				16				17				21			
{Digestive system}																	
liver		<28>				<16>				<17>				<21>			
	acidophilic cell focus	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (5)	0 (0)	0 (0)
pancreas		<28>				<16>				<17>				<21>			
	leukemic cell infiltration	2 (7)	0 (0)	0 (0)	0 (0)	2 (13)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	2 (10)	0 (0)	0 (0)	0 (0)
	metastasis:uterus tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	1 (6)	0 (0)	0 (0)	1 (5)	0 (0)	0 (0)	0 (0)
	metastasis:subcutis tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Urinary system}																	
kidney		<28>				<16>				<17>				<21>			
	hyaline droplet	11 (39)	5 (18)	0 (0)	0 (0)	2 (13)	3 (19)	0 (0)	0 (0)	8 (47)	3 (18)	0 (0)	0 (0)	3 (14)	2 (10)	0 (0)	0 (0)
	lymphocytic infiltration	0 (0)	0 (0)	0 (0)	0 (0)	2 (13)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (5)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	28				16				17				21			
{Urinary system}																	
kidney		<28>				<16>				<17>				<21>			
	scar	0 (0)	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 (5)	0 (0)	0 (0)
	leukemic cell infiltration	0 (0)	1 (4)	0 (0)	0 (0)	2 (13)	0 (0)	0 (0)	0 (0)	3 (18)	0 (0)	0 (0)	0 (0)	1 (5)	1 (5)	0 (0)	0 (0)
	metastasis:liver tumor	0 (0)	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:uterus tumor	2 (7)	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	1 (5)	0 (0)	0 (0)	0 (0)
	metastasis:subcutis tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hydronephrosis	0 (0)	0 (0)	2 (7)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (10)	0 (0)	1 (5)	0 (0)
	glomerulosclerosis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
urin bladd		<28>				<16>				<17>				<21>			
	dilatation	0 (0)	1 (4)	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (5)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	28				16				17				21			
{Urinary system}																	
urin bladd		<28>				<16>				<17>				<21>			
	leukemic cell infiltration	1 (4)	0 (0)	0 (0)	0 (0)	3 (19)	0 (0)	0 (0)	0 (0)	2 (12)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Endocrine system}																	
pituitary		<27>				<16>				<17>				<21>			
	hyperplasia	4 (15)	1 (4)	0 (0)	0 (0)	3 (19)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	3 (14)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:uterus tumor	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:peripheral nerve tumor	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	Rathke pouch	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
thyroid		<28>				<16>				<17>				<21>			
	metastasis:pleura tumor	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 (5)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	28				16				17				21			
{Endocrine system}																	
thyroid		<28>				<16>				<17>				<21>			
	ultimobranchial body remanet	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
adrenal		<28>				<16>				<17>				<21>			
	leukemic cell infiltration	1 (4)	0 (0)	0 (0)	0 (0)	2 (13)	0 (0)	0 (0)	0 (0)	2 (12)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:liver tumor	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:uterus tumor	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:subcutis tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	spindle-cell hyperplasia	16 (57)	11 (39)	0 (0)	0 (0)	11 (69)	3 (19)	0 (0)	0 (0)	9 (53)	6 (35)	0 (0)	0 (0)	11 (52)	9 (43)	0 (0)	0 (0)
	focal fatty change:cortex	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 (5)	0 (0)	0 (0)	0 (0)
{Reproductive system}																	
ovary		<28>				<16>				<17>				<21>			
	angiectasis	1 (4)	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	28				16				17				21			
(Reproductive system)																	
ovary		<28>				<16>				<17>				<21>			
	cyst	2 (7)	0 (0)	0 (0)	0 (0)	5 (31)	0 (0)	0 (0)	0 (0)	2 (12)	0 (0)	0 (0)	0 (0)	3 (14)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	4 (14)	1 (4)	0 (0)	0 (0)	4 (25)	0 (0)	0 (0)	0 (0)	2 (12)	0 (0)	0 (0)	0 (0)	5 (24)	0 (0)	0 (0)	0 (0)
	metastasis:uterus tumor	5 (18)	2 (7)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	1 (6)	2 (12)	0 (0)	0 (0)	2 (10)	3 (14)	0 (0)	0 (0)
	metastasis:spleen tumor	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:urinary bladder tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
uterus		<28>				<16>				<17>				<21>			
	metastasis:liver tumor	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:subcutis tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:peripheral nerve tumor	1 (4)	0 (0)	0 (0)	0 (0)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	28				16				17				21			
(Reproductive system)																	
uterus		<28>				<16>				<17>				<21>			
	cystic endometrial hyperplasia	11 (39)	0 (0)	0 (0)	0 (0)	4 (25)	0 (0)	0 (0)	0 (0)	5 (29)	0 (0)	0 (0)	0 (0)	6 (29)	0 (0)	0 (0)	0 (0)
(Nervous system)																	
brain		<28>				<16>				<17>				<21>			
	deformity	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 (5)	0 (0)	0 (0)	0 (0)
	mineralization	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	1 (4)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:peripheral nerve tumor	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
spinal cord		<28>				<16>				<17>				<21>			
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	28				16				17				21			
{Special sense organs/appendage}																	
Harder gl		<28>				<16>				<17>				<21>			
	hyperplasia	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	2 (13)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (5)	0 (0)	0 (0)	0 (0)
	metastasis:uterus tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Musculoskeletal system}																	
muscle		<28>				<16>				<17>				<21>			
	mineralization	1 (4)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (5)	0 (0)	0 (0)	0 (0)
	metastasis:subcutis tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (5)	0 (0)	0 (0)
{Body cavities}																	
mediastinum		<28>				<16>				<17>				<21>			
	metastasis:uterus tumor	1 (4)	0 (0)	0 (0)	0 (0)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	28				16				17				21			
{Body cavities}																	
peritoneum		<28>				<16>				<17>				<21>			
	leukemic cell infiltration	1 (4)	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:liver tumor	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:uterus tumor	2 (7)	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (5)	0 (0)	0 (0)	0 (0)
	metastasis:subcutis tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:pleura tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (6)	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 L6

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : FEMALE

SACRIFICED ANIMALS

Organ	Findings	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	22				34				33				29			
	Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
(Respiratory system)																	
nasal cavit		〈22〉				〈34〉				〈33〉				〈29〉			
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:uterus tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)
	eosinophilic change:olfactory epithelium	17 (77)	0 (0)	0 (0)	0 (0)	21 (62)	0 (0)	0 (0)	0 (0)	19 (58)	1 (3)	0 (0)	0 (0)	24 (83)	2 (7)	0 (0)	0 (0)
	eosinophilic change:respiratory epithelium	13 (59)	7 (32)	1 (5)	0 (0)	26 (76)	6 (18)	0 (0)	0 (0)	27 (82)	3 (9)	0 (0)	0 (0)	25 (86)	3 (10)	0 (0)	0 (0)
	inflammation:olfactory epithelium	1 (5)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	respiratory metaplasia:olfactory epithelium	8 (36)	0 (0)	0 (0)	0 (0)	5 (15)	0 (0)	0 (0)	0 (0)	4 (12)	0 (0)	0 (0)	0 (0)	9 (31)	2 (7)	0 (0)	0 (0)
	respiratory metaplasia:gland	18 (82)	0 (0)	0 (0)	0 (0)	27 (79)	0 (0)	0 (0)	0 (0)	21 (64)	0 (0)	0 (0)	0 (0)	20 (69)	0 (0)	0 (0)	0 (0)
	inflammation:transitional epithelium	5 (23)	0 (0)	0 (0)	0 (0)	13 (38)	0 (0)	0 (0)	0 (0)	25 (76)	0 (0)	0 (0)	0 ** (0)	28 (97)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	No. of Animals on Study	22				34				33				29			
(Respiratory system)																	
nasal cavit		<22>				<34>				<33>				<29>			
	hyperplasia:transitional epithelium	4 (18)	0 (0)	0 (0)	0 (0)	6 (18)	0 (0)	0 (0)	0 (0)	15 (45)	0 (0)	0 (0)	0 (0)	23 (79)	0 (0)	0 (0)	0 (0) **
	inflammtory infiltration:respiratory epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	squamous cell metaplasia:transitional epithelium	2 (9)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	11 (38)	0 (0)	0 (0)	0 (0) *
	erosion:transitional epithelium	1 (5)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	ulcer:transitional epithelium	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hyperplasia:respiratory epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	erosion:olfactory epithelium	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
nasopharynx		<22>				<34>				<33>				<29>			
	eosinophilic change	6 (27)	1 (5)	0 (0)	0 (0)	8 (24)	0 (0)	0 (0)	0 (0)	7 (21)	0 (0)	0 (0)	0 (0)	7 (24)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	22				34				33				29			
(Respiratory system)																	
lung		<22>				<34>				<33>				<29>			
	hemorrhage	1 (5)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	edema	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	inflammatory infiltration	0 (0)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	lymphocytic infiltration	0 (0)	0 (0)	0 (0)	0 (0)	3 (9)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	2 (7)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	3 (14)	1 (5)	0 (0)	0 (0)	7 (21)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	4 (14)	0 (0)	0 (0)	0 (0)
	metastasis:liver tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:uterus tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	accumulation of foamy cells	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	22				34				33				29			
{Respiratory system}																	
lung		<22>				<34>				<33>				<29>			
	bronchiolar-alveolar cell hyperplasia	1 (5)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	2 (7)	0 (0)	0 (0)	0 (0)
{Hematopoietic system}																	
bone marrow		<22>				<34>				<33>				<29>			
	deposit of hemosiderin	1 (5)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	3 (9)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	granulation	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	1 (5)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	metastasis:liver tumor	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 (3)	0 (0)	0 (0)	0 (0)
	metastasis:uterus tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:spleen tumor	0 (0)	1 (5)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)

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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	22				34				33				29			
(Hematopoietic system)																	
bone marrow		<22>				<34>				<33>				<29>			
	increased hematopoiesis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	5 (15)	0 (0)	0 (0)	0 (0)	4 (14)	0 (0)	0 (0)	0 (0)
	myelofibrosis	1 (5)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	3 (9)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
lymph node		<22>				<34>				<33>				<29>			
	metastasis:uterus tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	lymphadenitis	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
thymus		<22>				<34>				<33>				<29>			
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
spleen		<22>				<34>				<33>				<29>			
	leukemic cell infiltration	2 (9)	1 (5)	0 (0)	0 (0)	3 (9)	2 (6)	0 (0)	0 (0)	5 (15)	2 (6)	0 (0)	0 (0)	2 (7)	3 (10)	0 (0)	0 (0)
	metastasis:uterus tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	1 (3)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	22				34				33				29			
	Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
(Hematopoietic system)																	
spleen		<22>				<34>				<33>				<29>			
	extramedullary hematopoiesis	7 (32)	0 (0)	0 (0)	0 (0)	7 (21)	3 (9)	0 (0)	0 (0)	7 (21)	2 (6)	0 (0)	0 (0)	9 (31)	1 (3)	2 (7)	0 (0)
	lymph-follicular hyperplasia	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	1 (3)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)
(Circulatory system)																	
heart		<22>				<34>				<33>				<29>			
	mineralization	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	metastasis:spleen tumor	1 (5)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	myocardial necrosis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (7)	0 (0)	0 (0)	0 (0)
(Digestive system)																	
tongue		<22>				<34>				<33>				<29>			
	inflammatory infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	22				34				33				29			
{Digestive system}																	
tongue		<22>				<34>				<33>				<29>			
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
salivary gl		<22>				<34>				<33>				<29>			
	lymphocytic infiltration	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	1 (5)	0 (0)	0 (0)	0 (0)	2 (6)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
stomach		<22>				<34>				<33>				<29>			
	leukemic cell infiltration	1 (5)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hyperplasia:forestomach	0 (0)	1 (5)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	erosion:glandular stomach	5 (23)	3 (14)	0 (0)	0 (0)	4 (12)	2 (6)	1 (3)	0 (0)	12 (36)	1 (3)	0 (0)	0 (0)	9 (31)	1 (3)	1 (3)	0 (0)
	ulcer:glandular stomach	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (7)	1 (3)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	22				34				33				29			
{Digestive system}																	
stomach		<22>				<34>				<33>				<29>			
	hyperplasia:glandular stomach	4 (18)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	4 (12)	0 (0)	0 (0)	0 (0)	2 (7)	0 (0)	0 (0)	0 (0)
	intestinal metaplasia:glandular stomach	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	dilated glands	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
small intes		<22>				<34>				<33>				<29>			
	leukemic cell infiltration	1 (5)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
liver		<22>				<34>				<33>				<29>			
	angiectasis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	peliosis-like lesion	0 (0)	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 (3)	0 (0)	0 (0)
	necrosis:focal	1 (5)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	22				34				33				29			
{Digestive system}																	
liver		<22>				<34>				<33>				<29>			
	inflammatory infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	lymphocytic infiltration	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	inflammatory cell nest	1 (5)	0 (0)	0 (0)	0 (0)	4 (12)	0 (0)	0 (0)	0 (0)	7 (21)	0 (0)	0 (0)	0 (0)	5 (17)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	2 (9)	1 (5)	0 (0)	0 (0)	5 (15)	0 (0)	0 (0)	0 (0)	3 (9)	0 (0)	0 (0)	0 (0)	4 (14)	0 (0)	0 (0)	0 (0)
	metastasis:uterus tumor	0 (0)	0 (0)	0 (0)	0 (0)	4 (12)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	2 (7)	0 (0)	0 (0)	0 (0)
	metastasis:spleen tumor	0 (0)	1 (5)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	extramedullary hematopoiesis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (7)	0 (0)	0 (0)	0 (0)
	acidophilic cell focus	1 (5)	0 (0)	1 (5)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (7)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	22				34				33				29			
{Digestive system}																	
liver		<22>				<34>				<33>				<29>			
	biliary cyst	0 (0)	0 (0)	0 (0)	0 (0)	2 (6)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
gall bladd		<22>				<34>				<33>				<29>			
	malformation	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	cyst	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	hyperplasia	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	intestinal metaplasia	0 (0)	1 (5)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
pancreas		<22>				<34>				<33>				<29>			
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	3 (9)	1 (3)	0 (0)	0 (0)	2 (6)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	22				34				33				29			
{Digestive system}																	
pancreas		<22>				<34>				<33>				<29>			
	metastasis:uterus tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:large intestine tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Urinary system}																	
kidney		<22>				<34>				<33>				<29>			
	cyst	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	hyaline droplet	0 (0)	1 (5)	0 (0)	0 (0)	4 (12)	3 (9)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	1 (3)	0 (0)	0 (0)
	inflammatory infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	lymphocytic infiltration	1 (5)	0 (0)	0 (0)	0 (0)	1 (3)	1 (3)	0 (0)	0 (0)	4 (12)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	scar	2 (9)	0 (0)	0 (0)	0 (0)	3 (9)	3 (9)	0 (0)	0 (0)	0 (0)	3 (9)	0 (0)	0 (0)	1 (3)	4 (14)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	No. of Animals on Study	22				34				33				29			
(Urinary system)																	
kidney		<22>				<34>				<33>				<29>			
	inflammatory polyp	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	1 (5)	0 (0)	0 (0)	0 (0)	2 (6)	2 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (7)	1 (3)	0 (0)	0 (0)
	metastasis:uterus tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	hydronephrosis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	mineralization:cortex	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
urin bladd		<22>				<34>				<33>				<29>			
	dilatation	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	inflammatory infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	lymphocytic infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (6)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	22				34				33				29			
{Urinary system}																	
urin bladd		<22>				<34>				<33>				<29>			
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	3 (9)	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		<22>				<34>				<33>				<28>			
	hemorrhage	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	cyst	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (7)	0 (0)	0 (0)	0 (0)
	hyperplasia	7 (32)	1 (5)	0 (0)	0 (0)	11 (32)	4 (12)	0 (0)	0 (0)	4 (12)	6 (18)	0 (0)	0 (0)	3 (11)	5 (18)	1 (4)	0 (0)
	Rathke pouch	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 (4)	0 (0)	0 (0)	0 (0)
thyroid		<22>				<34>				<33>				<29>			
	cyst	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	22				34				33				29			
(Endocrine system)																	
thyroid		<22>				<34>				<33>				<29>			
	ultimobranchial body remanet	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	C-cell hyperplasia	0 (0)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
adrenal		<22>				<34>				<33>				<29>			
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	2 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	metastasis:uterus tumor	0 (0)	1 (5)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	spindle-cell hyperplasia	7 (32)	13 (59)	0 (0)	0 (0)	14 (41)	19 (56)	0 (0)	0 (0)	7 (21)	25 (76)	0 (0)	0 (0)	9 (31)	20 (69)	0 (0)	0 (0)
	focal fatty change:cortex	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	1 (3)	0 (0)	0 (0)	1 (3)	2 (6)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
(Reproductive system)																	
ovary		<22>				<34>				<33>				<29>			
	angiectasis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	22				34				33				29			
(Reproductive system)																	
ovary		<22>				<34>				<33>				<29>			
	thrombus	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	cyst	6 (27)	0 (0)	0 (0)	0 (0)	7 (21)	0 (0)	0 (0)	0 (0)	6 (18)	0 (0)	0 (0)	0 (0)	9 (31)	1 (3)	0 (0)	0 (0)
	leukemic cell infiltration	0 (0)	1 (5)	0 (0)	0 (0)	4 (12)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	metastasis:uterus tumor	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
uterus		<22>				<34>				<33>				<29>			
	dilatation	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	angiectasis	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	cystic endometrial hyperplasia	16 (73)	0 (0)	0 (0)	0 (0)	18 (53)	1 (3)	0 (0)	0 (0)	28 (85)	0 (0)	0 (0)	0 (0)	14 (48)	0 (0)	1 (3)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	22				34				33				29			
	Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
(Nervous system)																	
brain		<22>				<34>				<33>				<29>			
	vacuolic change	1 (5)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	mineralization	2 (9)	0 (0)	0 (0)	0 (0)	6 (18)	0 (0)	0 (0)	0 (0)	3 (9)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	metastasis:pituitary tumor	2 (9)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
(Special sense organs/appendage)																	
Harder gl		<22>				<34>				<33>				<29>			
	inflammatory infiltration	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)
	hyperplasia	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	leukemic cell infiltration	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:uterus tumor	0 (0)	0 (0)	0 (0)	0 (0)	2 (6)	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	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	5 ppm 1+ (%)	5 ppm 2+ (%)	5 ppm 3+ (%)	5 ppm 4+ (%)	15 ppm 1+ (%)	15 ppm 2+ (%)	15 ppm 3+ (%)	15 ppm 4+ (%)	45 ppm 1+ (%)	45 ppm 2+ (%)	45 ppm 3+ (%)	45 ppm 4+ (%)
	Group Name	Control				5 ppm				15 ppm				45 ppm			
	No. of Animals on Study	22				34				33				29			
(Musculoskeletal system)																	
muscle		<22>				<34>				<33>				<29>			
	metastasis:peripheral nerve tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
(Body cavities)																	
pleura		<22>				<34>				<33>				<29>			
	metastasis:peripheral nerve tumor	0 (0)	0 (0)	0 (0)	0 (0)	1 (3)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
peritoneum		<22>				<34>				<33>				<29>			
	leukemic cell infiltration	0 (0)	1 (5)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
	metastasis:uterus tumor	0 (0)	0 (0)	0 (0)	0 (0)	2 (6)	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 M1

NUMBER OF ANIMALS WITH TUMORS

AND NUMBER OF TUMORS-TIME RELATED : MALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

NUMBER OF ANIMALS WITH TUMORS AND NUMBER OF TUMORS - TIME RELATED

Time-related Weeks	Items	Group Name	Control	5 ppm	15 ppm	45 ppm
0 - 52	NO. OF EXAMINED ANIMALS		0	1	2	1
	NO. OF ANIMALS WITH TUMORS		0	1	0	1
	NO. OF ANIMALS WITH SINGLE TUMORS		0	1	0	0
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	0	0	1
	NO. OF BENIGN TUMORS		0	0	0	1
	NO. OF MALIGNANT TUMORS		0	1	0	1
	NO. OF TOTAL TUMORS		0	1	0	2
53 - 78	NO. OF EXAMINED ANIMALS		2	1	5	2
	NO. OF ANIMALS WITH TUMORS		1	1	4	1
	NO. OF ANIMALS WITH SINGLE TUMORS		0	0	4	0
	NO. OF ANIMALS WITH MULTIPLE TUMORS		1	1	0	1
	NO. OF BENIGN TUMORS		2	1	1	0
	NO. OF MALIGNANT TUMORS		0	2	3	2
	NO. OF TOTAL TUMORS		2	3	4	2
79 - 104	NO. OF EXAMINED ANIMALS		6	14	7	10
	NO. OF ANIMALS WITH TUMORS		4	13	6	6
	NO. OF ANIMALS WITH SINGLE TUMORS		3	12	6	3
	NO. OF ANIMALS WITH MULTIPLE TUMORS		1	1	0	3
	NO. OF BENIGN TUMORS		0	1	2	1
	NO. OF MALIGNANT TUMORS		5	13	4	8
	NO. OF TOTAL TUMORS		5	14	6	9
105 - 105	NO. OF EXAMINED ANIMALS		42	34	36	37
	NO. OF ANIMALS WITH TUMORS		29	19	27	25
	NO. OF ANIMALS WITH SINGLE TUMORS		21	11	23	16
	NO. OF ANIMALS WITH MULTIPLE TUMORS		8	8	4	9
	NO. OF BENIGN TUMORS		15	9	13	12
	NO. OF MALIGNANT TUMORS		24	20	20	23
	NO. OF TOTAL TUMORS		39	29	33	35

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : MALE

NUMBER OF ANIMALS WITH TUMORS AND NUMBER OF TUMORS - TIME RELATED

Time-related Weeks	Items	Group Name	Control	5 ppm	15 ppm	45 ppm
0 - 105	NO. OF EXAMINED ANIMALS		50	50	50	50
	NO. OF ANIMALS WITH TUMORS		34	34	37	33
	NO. OF ANIMALS WITH SINGLE TUMORS		24	24	33	19
	NO. OF ANIMALS WITH MULTIPLE TUMORS		10	10	4	14
	NO. OF BENIGN TUMORS		17	11	16	14
	NO. OF MALIGNANT TUMORS		29	36	27	34
	NO. OF TOTAL TUMORS		46	47	43	48

TABLE M2

NUMBER OF ANIMALS WITH TUMORS

AND NUMBER OF TUMORS-TIME RELATED : FEMALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE

NUMBER OF ANIMALS WITH TUMORS AND NUMBER OF TUMORS - TIME RELATED

Time-related Weeks	Items	Group Name	Control	5 ppm	15 ppm	45 ppm
0 - 52	NO. OF EXAMINED ANIMALS		1	0	0	3
	NO. OF ANIMALS WITH TUMORS		1	0	0	3
	NO. OF ANIMALS WITH SINGLE TUMORS		1	0	0	3
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	0	0	0
	NO. OF BENIGN TUMORS		0	0	0	0
	NO. OF MALIGNANT TUMORS		1	0	0	3
	NO. OF TOTAL TUMORS		1	0	0	3
53 - 78	NO. OF EXAMINED ANIMALS		4	2	3	4
	NO. OF ANIMALS WITH TUMORS		4	2	3	4
	NO. OF ANIMALS WITH SINGLE TUMORS		4	2	3	4
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	0	0	0
	NO. OF BENIGN TUMORS		0	0	0	0
	NO. OF MALIGNANT TUMORS		4	2	3	4
	NO. OF TOTAL TUMORS		4	2	3	4
79 - 104	NO. OF EXAMINED ANIMALS		23	14	14	14
	NO. OF ANIMALS WITH TUMORS		22	14	13	13
	NO. OF ANIMALS WITH SINGLE TUMORS		21	7	9	6
	NO. OF ANIMALS WITH MULTIPLE TUMORS		1	7	4	7
	NO. OF BENIGN TUMORS		1	6	0	5
	NO. OF MALIGNANT TUMORS		22	18	17	16
	NO. OF TOTAL TUMORS		23	24	17	21
105 - 105	NO. OF EXAMINED ANIMALS		22	34	33	29
	NO. OF ANIMALS WITH TUMORS		13	23	19	22
	NO. OF ANIMALS WITH SINGLE TUMORS		6	14	10	7
	NO. OF ANIMALS WITH MULTIPLE TUMORS		7	9	9	15
	NO. OF BENIGN TUMORS		12	11	20	22
	NO. OF MALIGNANT TUMORS		15	24	12	20
	NO. OF TOTAL TUMORS		27	35	32	42

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
REPORT TYPE : A1
SEX : FEMALE

NUMBER OF ANIMALS WITH TUMORS AND NUMBER OF TUMORS - TIME RELATED

Time-related Weeks	Items	Group Name	Control	5 ppm	15 ppm	45 ppm
0 - 105	NO. OF EXAMINED ANIMALS		50	50	50	50
	NO. OF ANIMALS WITH TUMORS		40	39	35	42
	NO. OF ANIMALS WITH SINGLE TUMORS		32	23	22	20
	NO. OF ANIMALS WITH MULTIPLE TUMORS		8	16	13	22
	NO. OF BENIGN TUMORS		13	17	20	27
	NO. OF MALIGNANT TUMORS		42	44	32	43
	NO. OF TOTAL TUMORS		55	61	52	70

TABLE N1

HISTOPATHOLOGICAL FINDINGS :

NEOPLASTIC LESIONS : MALE

Organ	Findings	Control	5 ppm	15 ppm	45 ppm
	Group Name	Control	5 ppm	15 ppm	45 ppm
	No. of animals on Study	50	50	50	50
(Integumentary system/appandage)					
skin/app		<50>	<50>	<50>	<50>
	squamous cell papilloma	0 (0%)	1 (2%)	0 (0%)	1 (2%)
subcutis		<50>	<50>	<50>	<50>
	fibrosarcoma	0 (0%)	0 (0%)	1 (2%)	0 (0%)
	histiocytic sarcoma	1 (2%)	0 (0%)	0 (0%)	1 (2%)
	hemangiosarcoma	1 (2%)	0 (0%)	1 (2%)	1 (2%)
(Respiratory system)					
lung		<50>	<50>	<50>	<50>
	bronchiolar-alveolar adenoma	6 (12%)	4 (8%)	2 (4%)	3 (6%)
	bronchiolar-alveolar carcinoma	2 (4%)	5 (10%)	2 (4%)	5 (10%)
	bronchial carcinoma	0 (0%)	0 (0%)	0 (0%)	1 (2%)
(Hematopoietic system)					
bone marrow		<50>	<50>	<50>	<50>
	myelogenous leukemia	0 (0%)	0 (0%)	0 (0%)	1 (2%)
lymph node		<50>	<50>	<50>	<50>
	histiocytic sarcoma	1 (2%)	2 (4%)	0 (0%)	0 (0%)
	malignant lymphoma	11 (22%)	5 (10%)	11 (22%)	8 (16%)
spleen		<50>	<50>	<50>	<50>
	histiocytic sarcoma	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	Control	5 ppm	15 ppm	45 ppm
	Group Name	Control	5 ppm	15 ppm	45 ppm
	No. of animals on Study	50	50	50	50
{Hematopoietic system}					
spleen		<50>	<50>	<50>	<50>
	mastcytoma:malignant	1 (2%)	0 (0%)	0 (0%)	0 (0%)
	hemangiosarcoma	1 (2%)	3 (6%)	2 (4%)	1 (2%)
{Digestive system}					
stomach		<50>	<50>	<50>	<50>
	squamous cell papilloma	0 (0%)	0 (0%)	0 (0%)	1 (2%)
	squamous cell carcinoma	0 (0%)	0 (0%)	0 (0%)	1 (2%)
large intes.		<50>	<50>	<50>	<50>
	histiocytic sarcoma	1 (2%)	0 (0%)	0 (0%)	0 (0%)
liver		<50>	<50>	<50>	<50>
	hepatocellular adenoma	9 (18%)	5 (10%)	7 (14%)	7 (14%)
	histiocytic sarcoma	1 (2%)	3 (6%)	1 (2%)	2 (4%)
	hemangiosarcoma	2 (4%)	6 (12%)	1 (2%)	2 (4%)
	hepatocellular carcinoma	4 (8%)	7 (14%)	3 (6%)	5 (10%)
gall bladd		<50>	<50>	<50>	<50>
	papillary adenoma	0 (0%)	0 (0%)	2 (4%)	0 (0%)
pancreas		<50>	<50>	<50>	<50>
	islet cell adenocarcinoma	0 (0%)	1 (2%)	0 (0%)	0 (0%)
{Urinary system}					
kidney		<50>	<50>	<50>	<50>
	transitional cell carcinoma	1 (2%)	0 (0%)	0 (0%)	0 (0%)

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

Organ	Findings	Control	5 ppm	15 ppm	45 ppm
	Group Name	Control	5 ppm	15 ppm	45 ppm
	No. of animals on Study	50	50	50	50
(Urinary system)					
kidney		<50>	<50>	<50>	<50>
	renal cell carcinoma	0 (0%)	0 (0%)	0 (0%)	1 (2%)
urin bladd		<50>	<50>	<50>	<50>
	histiocytic sarcoma	0 (0%)	1 (2%)	1 (2%)	0 (0%)
(Endocrine system)					
pituitary		<50>	<49>	<50>	<50>
	adenoma	0 (0%)	0 (0%)	0 (0%)	1 (2%)
adrenal		<50>	<50>	<50>	<50>
	pheochromocytoma	1 (2%)	0 (0%)	0 (0%)	0 (0%)
(Reproductive system)					
testis		<50>	<50>	<50>	<50>
	histiocytic sarcoma	1 (2%)	0 (0%)	0 (0%)	0 (0%)
epididymis		<50>	<50>	<50>	<50>
	histiocytic sarcoma	0 (0%)	1 (2%)	1 (2%)	1 (2%)
(Special sense organs/appendage)					
Harder gl		<50>	<50>	<50>	<50>
	adenoma	1 (2%)	1 (2%)	5 (10%)	0 (0%)
	adenocarcinoma	0 (0%)	1 (2%)	1 (2%)	2 (4%)
(Musculoskeletal system)					
synovium		<50>	<50>	<50>	<50>
	synovial sarcoma	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	5 ppm	15 ppm	45 ppm
		No. of animals on Study	50	50	50	50
{Body cavities}						
peritoneum			<50>	<50>	<50>	<50>
	hemangioma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
	histiocytic sarcoma		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

TABLE N2

HISTOPATHOLOGICAL FINDINGS :

NEOPLASTIC LESIONS : FEMALE

Organ	Findings	Control	5 ppm	15 ppm	45 ppm
	Group Name	Control	5 ppm	15 ppm	45 ppm
	No. of animals on Study	50	50	50	50
{Integumentary system/appandage}					
skin/app		<50>	<50>	<50>	<50>
	keratoacanthoma	0 (0%)	0 (0%)	1 (2%)	0 (0%)
subcutis		<50>	<50>	<50>	<50>
	fibrosarcoma	0 (0%)	3 (6%)	2 (4%)	1 (2%)
	histiocytic sarcoma	0 (0%)	1 (2%)	2 (4%)	0 (0%)
{Respiratory system}					
nasal cavit		<50>	<50>	<50>	<50>
	adenoma	0 (0%)	0 (0%)	0 (0%)	1 (2%)
lung		<50>	<50>	<50>	<50>
	bronchiolar-alveolar adenoma	0 (0%)	2 (4%)	1 (2%)	3 (6%)
	bronchiolar-alveolar carcinoma	0 (0%)	1 (2%)	0 (0%)	0 (0%)
{Hematopoietic system}					
lymph node		<50>	<50>	<50>	<50>
	malignant lymphoma	16 (32%)	17 (34%)	16 (32%)	20 (40%)
spleen		<50>	<50>	<50>	<50>
	hemangioma	0 (0%)	0 (0%)	0 (0%)	1 (2%)
	histiocytic sarcoma	1 (2%)	0 (0%)	1 (2%)	0 (0%)
	hemangiosarcoma	2 (4%)	0 (0%)	0 (0%)	1 (2%)
{Digestive system}					
stomach		<50>	<50>	<50>	<50>
	squamous cell papilloma	1 (2%)	0 (0%)	0 (0%)	0 (0%)

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

Organ	Findings	Group Name / No. of animals on Study	Control 50	5 ppm 50	15 ppm 50	45 ppm 50
{Digestive system}						
large intes			<50>	<50>	<50>	<50>
	histiocytic sarcoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
liver			<50>	<50>	<50>	<50>
	hepatocellular adenoma		4 (8%)	1 (2%)	3 (6%)	3 (6%)
	lto-cell tumor:benign		0 (0%)	0 (0%)	0 (0%)	1 (2%)
	histiocytic sarcoma		4 (8%)	1 (2%)	2 (4%)	1 (2%)
	hemangiosarcoma		2 (4%)	1 (2%)	1 (2%)	2 (4%)
	hepatocellular carcinoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
gall bladd			<50>	<50>	<50>	<50>
	papillary adenoma		1 (2%)	0 (0%)	0 (0%)	0 (0%)
pancreas			<50>	<50>	<50>	<50>
	islet cell adenoma		0 (0%)	0 (0%)	0 (0%)	1 (2%)
{Urinary system}						
urin bladd			<50>	<50>	<50>	<50>
	histiocytic sarcoma		0 (0%)	1 (2%)	0 (0%)	0 (0%)
{Endocrine system}						
pituitary			<49>	<50>	<50>	<49>
	adenoma		4 (8%)	9 (18%)	8 (16%)	13 (27%)
	adenocarcinoma		2 (4%)	2 (4%)	0 (0%)	0 (0%)

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

Organ	Findings	Control	5 ppm	15 ppm	45 ppm
	Group Name	Control	5 ppm	15 ppm	45 ppm
	No. of animals on Study	50	50	50	50
{Endocrine system}					
thyroid		<50>	<50>	<50>	<50>
	follicular adenoma	0 (0%)	0 (0%)	1 (2%)	0 (0%)
{Reproductive system}					
ovary		<50>	<50>	<50>	<50>
	cystadenoma	1 (2%)	1 (2%)	2 (4%)	0 (0%)
	hemangioma	1 (2%)	0 (0%)	1 (2%)	1 (2%)
	granulosa cell tumor:benign	0 (0%)	1 (2%)	0 (0%)	0 (0%)
uterus		<50>	<50>	<50>	<50>
	endometrial stromal polyp	1 (2%)	3 (6%)	0 (0%)	3 (6%)
	histiocytic sarcoma	11 (22%)	13 (26%)	8 (16%)	10 (20%)
vagina		<50>	<50>	<50>	<50>
	hemangioma	0 (0%)	0 (0%)	1 (2%)	0 (0%)
mammary gl		<50>	<50>	<50>	<50>
	adenoma	0 (0%)	0 (0%)	1 (2%)	0 (0%)
	adenocarcinoma	1 (2%)	1 (2%)	0 (0%)	1 (2%)
{Nervous system}					
periph nerv		<50>	<50>	<50>	<50>
	schwannoma:malignant	0 (0%)	1 (2%)	0 (0%)	0 (0%)
	histiocytic sarcoma	1 (2%)	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	5 ppm 50	15 ppm 50	45 ppm 50
{Special sense organs/appendage}						
Harder gl			<50>	<50>	<50>	<50>
	adenoma		0 (0%)	0 (0%)	1 (2%)	0 (0%)
	adenocarcinoma		1 (2%)	0 (0%)	0 (0%)	1 (2%)
{Musculoskeletal system}						
bone			<50>	<50>	<50>	<50>
	osteosarcoma		1 (2%)	0 (0%)	0 (0%)	3 (6%)
{Body cavities}						
pleura			<50>	<50>	<50>	<50>
	fibrosarcoma		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 O

NEOPLASTIC LESIONS-INCIDENCE

AND STATISTICAL ANALYSIS : FEMALE

Group Name	Control	5 ppm	15 ppm	45 ppm
SITE : subcutis				
TUMOR : fibrosarcoma				
Tumor rate				
Overall rates(a)	0/50 (0.0)	3/50 (6.0)	2/50 (4.0)	1/50 (2.0)
Adjusted rates(b)	0.0	4.88	6.06	0.0
Terminal rates(c)	0/22 (0.0)	0/34 (0.0)	2/33 (6.1)	0/29 (0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.2387			
Prevalence method(d)	P = 0.7446			
Combined analysis(d)	P = 0.5397			
Cochran-Armitage test(e)	P = 0.8586			
Fisher Exact test(e)		P = 0.1212	P = 0.2475	P = 0.5000
SITE : lung				
TUMOR : bronchiolar-alveolar adenoma				
Tumor rate				
Overall rates(a)	0/50 (0.0)	2/50 (4.0)	1/50 (2.0)	3/50 (6.0)
Adjusted rates(b)	0.0	4.88	3.03	8.82
Terminal rates(c)	0/22 (0.0)	1/34 (2.9)	1/33 (3.0)	2/29 (6.9)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.0766			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.1378			
Fisher Exact test(e)		P = 0.2475	P = 0.5000	P = 0.1212
SITE : lung				
TUMOR : bronchiolar-alveolar adenoma, bronchiolar-alveolar carcinoma				
Tumor rate				
Overall rates(a)	0/50 (0.0)	3/50 (6.0)	1/50 (2.0)	3/50 (6.0)
Adjusted rates(b)	0.0	5.00	3.03	8.82
Terminal rates(c)	0/22 (0.0)	1/34 (2.9)	1/33 (3.0)	2/29 (6.9)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.5534			
Prevalence method(d)	P = 0.0784			
Combined analysis(d)	P = 0.1373			
Cochran-Armitage test(e)	P = 0.2586			
Fisher Exact test(e)		P = 0.1212	P = 0.5000	P = 0.1212

Group Name	Control	5 ppm	15 ppm	45 ppm
SITE : lymph node				
TUMOR : malignant lymphoma				
Tumor rate				
Overall rates(a)	16/50 (32.0)	17/50 (34.0)	16/50 (32.0)	20/50 (40.0)
Adjusted rates(b)	27.27	32.35	24.24	36.67
Terminal rates(c)	6/22 (27.3)	11/34 (32.4)	8/33 (24.2)	10/29 (34.5)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.5156			
Prevalence method(d)	P = 0.1343			
Combined analysis(d)	P = 0.2398			
Cochran-Armitage test(e)	P = 0.3766			
Fisher Exact test(e)		P = 0.5000	P = 0.5848	P = 0.2661
SITE : liver				
TUMOR : hepatocellular adenoma				
Tumor rate				
Overall rates(a)	4/50 (8.0)	1/50 (2.0)	3/50 (6.0)	3/50 (6.0)
Adjusted rates(b)	18.18	2.50	9.09	10.34
Terminal rates(c)	4/22 (18.2)	0/34 (0.0)	3/33 (9.1)	3/29 (10.3)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.4772			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.9116			
Fisher Exact test(e)		P = 0.1811	P = 0.5000	P = 0.5000
SITE : liver				
TUMOR : histiocytic sarcoma				
Tumor rate				
Overall rates(a)	4/50 (8.0)	1/50 (2.0)	2/50 (4.0)	1/50 (2.0)
Adjusted rates(b)	2.86	2.94	4.26	3.45
Terminal rates(c)	0/22 (0.0)	1/34 (2.9)	0/33 (0.0)	1/29 (3.4)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.9826			
Prevalence method(d)	P = 0.4599			
Combined analysis(d)	P = 0.8318			
Cochran-Armitage test(e)	P = 0.3013			
Fisher Exact test(e)		P = 0.1811	P = 0.3389	P = 0.1811

Group Name	Control	5 ppm	15 ppm	45 ppm
SITE : liver				
TUMOR : hepatocellular adenoma, hepatocellular carcinoma				
Tumor rate				
Overall rates (a)	4/50 (8.0)	1/50 (2.0)	3/50 (6.0)	4/50 (8.0)
Adjusted rates (b)	18.18	2.50	9.09	10.34
Terminal rates (c)	4/22 (18.2)	0/34 (0.0)	3/33 (9.1)	3/29 (10.3)
Statistical analysis				
Peto test				
Standard method (d)	P = ------			
Prevalence method (d)	P = 0.2814			
Combined analysis (d)	P = ------			
Cochran-Armitage test (e)	P = 0.5505			
Fisher Exact test (e)		P = 0.1811	P = 0.5000	P = 0.6425
SITE : pituitary gland				
TUMOR : adenoma				
Tumor rate				
Overall rates (a)	4/49 (8.2)	9/50 (18.0)	8/50 (16.0)	13/49 (26.5)
Adjusted rates (b)	18.18	19.05	24.24	35.71
Terminal rates (c)	4/22 (18.2)	6/34 (17.6)	8/33 (24.2)	10/28 (35.7)
Statistical analysis				
Peto test				
Standard method (d)	P = 0.2397			
Prevalence method (d)	P = 0.0229*			
Combined analysis (d)	P = 0.0174*			
Cochran-Armitage test (e)	P = 0.0305*			
Fisher Exact test (e)		P = 0.1245	P = 0.1882	P = 0.0153*
SITE : pituitary gland				
TUMOR : adenoma, adenocarcinoma				
Tumor rate				
Overall rates (a)	6/49 (12.2)	11/50 (22.0)	8/50 (16.0)	13/49 (26.5)
Adjusted rates (b)	27.27	21.62	24.24	35.71
Terminal rates (c)	6/22 (27.3)	7/34 (20.6)	8/33 (24.2)	10/28 (35.7)
Statistical analysis				
Peto test				
Standard method (d)	P = 0.3826			
Prevalence method (d)	P = 0.0728			
Combined analysis (d)	P = 0.0741			
Cochran-Armitage test (e)	P = 0.1326			
Fisher Exact test (e)		P = 0.1539	P = 0.4029	P = 0.0619

Group Name	Control	5 ppm	15 ppm	45 ppm
	SITE : uterus			
	TUMOR : endometrial stromal polyp			
Tumor rate				
Overall rates(a)	1/50 (2.0)	3/50 (6.0)	0/50 (0.0)	3/50 (6.0)
Adjusted rates(b)	4.55	7.32	0.0	7.69
Terminal rates(c)	1/22 (4.5)	2/34 (5.9)	0/33 (0.0)	2/29 (6.9)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.2055			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.4243			
Fisher Exact test(e)		P = 0.3087	P = 0.5000	P = 0.3087

	SITE : uterus			
	TUMOR : histiocytic sarcoma			
Tumor rate				
Overall rates(a)	11/50 (22.0)	13/50 (26.0)	8/50 (16.0)	10/50 (20.0)
Adjusted rates(b)	4.55	25.00	7.32	17.24
Terminal rates(c)	1/22 (4.5)	8/34 (23.5)	1/33 (3.0)	5/29 (17.2)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.7397			
Prevalence method(d)	P = 0.4325			
Combined analysis(d)	P = 0.6533			
Cochran-Armitage test(e)	P = 0.6366			
Fisher Exact test(e)		P = 0.4076	P = 0.3055	P = 0.5000

Group Name	Control	5 ppm	15 ppm	45 ppm
SITE : bone				
TUMOR : osteosarcoma				
Tumor rate				
Overall rates(a)	1/50 (2.0)	0/50 (0.0)	0/50 (0.0)	3/50 (6.0)
Adjusted rates(b)	4.55	0.0	0.0	3.03
Terminal rates(c)	1/22 (4.5)	0/34 (0.0)	0/33 (0.0)	0/29 (0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.0156* ?			
Prevalence method(d)	P = 0.3095			
Combined analysis(d)	P = 0.0338*			
Cochran-Armitage test(e)	P = 0.0428*			
Fisher Exact test(e)		P = 0.5000	P = 0.5000	P = 0.3087

(HPT360A) BAIS5

(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 P1

HISTOPATHOLOGICAL FINDINGS :

METASTASIS OF TUMOR :

MALE

Organ	Findings	Control	5 ppm	15 ppm	45 ppm
	Group Name	Control	5 ppm	15 ppm	45 ppm
	No. of Animals on Study	50	50	50	50
{Integumentary system/appandage}					
subcutis		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	1	0	0
	metastasis:lung tumor	0	1	0	0
{Respiratory system}					
nasal cavit		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	0	0	2
	metastasis:Harderian gland tumor	0	0	1	0
trachea		<50>	<50>	<50>	<50>
	metastasis:lung tumor	0	1	0	0
lung		<50>	<50>	<50>	<50>
	leukemic cell infiltration	3	2	4	4
	metastasis:liver tumor	2	6	1	1
	metastasis:peritoneum tumor	0	1	1	0
	metastasis:spleen tumor	0	0	1	0
	metastasis:Harderian gland tumor	0	0	1	0
	metastasis:kidney tumor	1	0	0	0
	metastasis:lymph node tumor	1	1	0	0
{Hematopoietic system}					
bone marrow		<50>	<50>	<50>	<50>
	leukemic cell infiltration	2	1	1	2

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

Organ	Findings	Control	5 ppm	15 ppm	45 ppm
	Group Name	Control	5 ppm	15 ppm	45 ppm
	No. of Animals on Study	50	50	50	50
{Hematopoietic system}					
bone marrow		<50>	<50>	<50>	<50>
	metastasis:liver tumor	0	1	0	0
	metastasis:peritoneum tumor	0	1	0	0
	metastasis:spleen tumor	1	1	1	1
	metastasis:lymph node tumor	1	1	0	0
lymph node		<50>	<50>	<50>	<50>
	metastasis:liver tumor	0	1	0	0
	metastasis:subcutis tumor	1	0	0	0
	metastasis:lung tumor	0	2	0	0
spleen		<50>	<50>	<50>	<50>
	leukemic cell infiltration	5	4	8	5
	metastasis:liver tumor	0	2	1	0
	metastasis:subcutis tumor	0	0	1	0
	metastasis:epididymis tumor	0	0	1	0
	metastasis:lymph node tumor	1	1	0	0
{Circulatory system}					
heart		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	1	0	0
	metastasis:lung tumor	0	1	0	0
{Digestive system}					
salivary gl		<50>	<50>	<50>	<50>
	leukemic cell infiltration	1	1	1	2

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

Organ	Findings	Control	5 ppm	15 ppm	45 ppm
	Group Name	Control	5 ppm	15 ppm	45 ppm
	No. of Animals on Study	50	50	50	50
(Digestive system)					
stomach		<50>	<50>	<50>	<50>
	metastasis:lung tumor	0	1	0	0
	metastasis:epididymis tumor	0	0	1	0
small intes		<50>	<50>	<50>	<50>
	leukemic cell infiltration	2	1	1	1
	metastasis:epididymis tumor	0	0	0	1
	metastasis:lymph node tumor	0	1	0	0
liver		<50>	<50>	<50>	<50>
	leukemic cell infiltration	3	2	3	3
	metastasis:peritoneum tumor	0	1	0	1
	metastasis:subcutis tumor	0	0	1	0
	metastasis:spleen tumor	1	0	1	1
	metastasis:lymph node tumor	1	1	0	0
gall bladd		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	1	0	0
	metastasis:peritoneum tumor	0	1	0	0
pancreas		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	0	1	1
	metastasis:peritoneum tumor	0	1	0	0
(Urinary system)					
kidney		<50>	<50>	<50>	<50>
	leukemic cell infiltration	3	2	1	2

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

Organ	Findings	Control	5 ppm	15 ppm	45 ppm
	Group Name	Control	5 ppm	15 ppm	45 ppm
	No. of Animals on Study	50	50	50	50
(Urinary system)					
kidney		<50>	<50>	<50>	<50>
	metastasis:peritoneum tumor	0	1	0	0
	metastasis:lung tumor	0	1	0	0
	metastasis:spleen tumor	1	0	0	0
	metastasis:epididymis tumor	0	0	1	0
ureter		<50>	<50>	<50>	<50>
	metastasis:large intestine tumor	1	0	0	0
urin bladd		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	1	1	1
	metastasis:liver tumor	1	1	0	0
(Endocrine system)					
adrenal		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	1	0	0
	metastasis:peritoneum tumor	0	1	0	0
	metastasis:kidney tumor	1	0	0	0
(Reproductive system)					
testis		<50>	<50>	<50>	<50>
	metastasis:liver tumor	1	1	0	0
epididymis		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	1	0	1

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

Organ	Findings	Control	5 ppm	15 ppm	45 ppm
	Group Name	Control	5 ppm	15 ppm	45 ppm
	No. of Animals on Study	50	50	50	50
(Reproductive system)					
epididymis		<50>	<50>	<50>	<50>
	metastasis:liver tumor	1	0	0	0
	metastasis:peritoneum tumor	0	1	0	0
semin ves		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	1	0	1
prostate		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	1	0	2
(Special sense organs/appendage)					
Harder gl		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	1	0	2
(Body cavities)					
pleura		<50>	<50>	<50>	<50>
	metastasis:lung tumor	0	2	0	0
mediastinum		<50>	<50>	<50>	<50>
	metastasis:lung tumor	0	1	0	0
peritoneum		<50>	<50>	<50>	<50>
	leukemic cell infiltration	1	0	0	0
	metastasis:liver tumor	1	1	0	0
	metastasis:lung tumor	0	1	0	0

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

TABLE P2

HISTOPATHOLOGICAL FINDINGS :

METASTASIS OF TUMOR :

FEMALE

Organ	Findings	Control	5 ppm	15 ppm	45 ppm
	Group Name	Control	5 ppm	15 ppm	45 ppm
	No. of Animals on Study	50	50	50	50
(Integumentary system/appandage)					
subcutis		<50>	<50>	<50>	<50>
	leukemic cell infiltration	1	0	0	0
	metastasis:uterus tumor	1	0	0	0
(Respiratory system)					
nasal cavit		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	3	2	1
	metastasis:uterus tumor	2	1	1	1
lung		<50>	<50>	<50>	<50>
	leukemic cell infiltration	13	12	8	11
	metastasis:liver tumor	2	1	0	0
	metastasis:uterus tumor	5	4	4	3
	metastasis:subcutis tumor	0	1	2	1
	metastasis:peripheral nerve tumor	1	0	0	0
	metastasis:spleen tumor	1	0	1	0
	metastasis:pleura tumor	0	1	0	0
(Hematopoietic system)					
bone marrow		<50>	<50>	<50>	<50>
	leukemic cell infiltration	2	5	3	3
	metastasis:liver tumor	1	0	0	1

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

Organ	Findings	Control	5 ppm	15 ppm	45 ppm
	Group Name	Control	5 ppm	15 ppm	45 ppm
	No. of Animals on Study	50	50	50	50
(Hematopoietic system)					
bone marrow		<50>	<50>	<50>	<50>
	metastasis:uterus tumor	4	1	1	1
	metastasis:subcutis tumor	0	1	0	0
	metastasis:peripheral nerve tumor	1	0	0	0
	metastasis:spleen tumor	1	0	0	1
lymph node		<50>	<50>	<50>	<50>
	metastasis:liver tumor	1	0	0	0
	metastasis:uterus tumor	0	2	1	0
	metastasis:subcutis tumor	0	2	2	0
	metastasis:spleen tumor	1	0	0	0
	metastasis:urinary bladder tumor	0	1	0	0
thymus		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	1	0	0
spleen		<50>	<50>	<50>	<50>
	leukemic cell infiltration	10	10	15	11
	metastasis:uterus tumor	1	2	2	0
	metastasis:subcutis tumor	0	0	1	0
(Circulatory system)					
heart		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	2	1	1

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

Organ	Findings	Control	5 ppm	15 ppm	45 ppm
	Group Name	Control	5 ppm	15 ppm	45 ppm
	No. of Animals on Study	50	50	50	50
(Circulatory system)					
heart		<50>	<50>	<50>	<50>
	metastasis:uterus tumor	1	0	0	0
	metastasis:spleen tumor	1	0	0	0
	metastasis:pleura tumor	0	1	0	0
(Digestive system)					
tongue		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	0	0	2
salivary gl		<50>	<50>	<50>	<50>
	leukemic cell infiltration	1	5	1	1
	metastasis:uterus tumor	1	0	0	0
stomach		<50>	<50>	<50>	<50>
	leukemic cell infiltration	2	2	1	0
small intes		<50>	<50>	<50>	<50>
	leukemic cell infiltration	1	0	0	0
liver		<50>	<50>	<50>	<50>
	leukemic cell infiltration	9	8	6	10
	metastasis:uterus tumor	10	9	6	7
	metastasis:subcutis tumor	0	1	2	0
	metastasis:peripheral nerve tumor	1	0	0	0
	metastasis:spleen tumor	2	0	1	0
	metastasis:urinary bladder tumor	0	1	0	0

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

Organ	Findings	Control	5 ppm	15 ppm	45 ppm
	Group Name	Control	5 ppm	15 ppm	45 ppm
	No. of Animals on Study	50	50	50	50
(Digestive system)					
gall bladd		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	1	0	0
pancreas		<50>	<50>	<50>	<50>
	leukemic cell infiltration	2	6	3	2
	metastasis:uterus tumor	0	1	2	1
	metastasis:subcutis tumor	0	0	1	0
	metastasis:large intestine tumor	0	1	0	0
(Urinary system)					
kidney		<50>	<50>	<50>	<50>
	leukemic cell infiltration	2	6	3	5
	metastasis:liver tumor	1	0	0	0
	metastasis:uterus tumor	3	2	1	2
	metastasis:subcutis tumor	0	0	1	0
urin bladd		<50>	<50>	<50>	<50>
	leukemic cell infiltration	1	6	2	0
(Endocrine system)					
pituitary		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	0	1	0
	metastasis:uterus tumor	1	0	1	0
	metastasis:peripheral nerve tumor	1	0	0	0

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

Organ	Findings	Control	5 ppm	15 ppm	45 ppm
	Group Name	Control	5 ppm	15 ppm	45 ppm
	No. of Animals on Study	50	50	50	50
(Endocrine system)					
thyroid		<50>	<50>	<50>	<50>
	metastasis:pleura tumor	0	0	0	1
adrenal		<50>	<50>	<50>	<50>
	leukemic cell infiltration	1	4	2	1
	metastasis:liver tumor	1	0	0	0
	metastasis:uterus tumor	2	0	0	0
	metastasis:subcutis tumor	0	1	0	0
(Reproductive system)					
ovary		<50>	<50>	<50>	<50>
	leukemic cell infiltration	6	8	3	6
	metastasis:uterus tumor	7	2	3	5
	metastasis:spleen tumor	1	0	0	0
	metastasis:urinary bladder tumor	0	1	0	0
uterus		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	1	0	1
	metastasis:liver tumor	1	0	0	0
	metastasis:subcutis tumor	0	0	1	0
	metastasis:peripheral nerve tumor	1	0	0	0
(Nervous system)					
brain		<50>	<50>	<50>	<50>
	leukemic cell infiltration	1	1	1	0

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

Organ	Findings	Control	5 ppm	15 ppm	45 ppm
	Group Name	Control	5 ppm	15 ppm	45 ppm
	No. of Animals on Study	50	50	50	50
(Nervous system)					
brain		<50>	<50>	<50>	<50>
	metastasis:pituitary tumor	2	0	0	0
	metastasis:peripheral nerve tumor	1	0	0	0
spinal cord		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	0	1	0
(Special sense organs/appendage)					
Harder gl		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	3	0	1
	metastasis:uterus tumor	0	2	1	0
(Musculoskeletal system)					
muscle		<50>	<50>	<50>	<50>
	leukemic cell infiltration	0	0	0	1
	metastasis:subcutis tumor	0	1	0	1
	metastasis:peripheral nerve tumor	0	1	0	0
(Body cavities)					
pleura		<50>	<50>	<50>	<50>
	metastasis:peripheral nerve tumor	0	1	0	0
mediastinum		<50>	<50>	<50>	<50>
	metastasis:uterus tumor	1	0	0	0
peritoneum		<50>	<50>	<50>	<50>
	leukemic cell infiltration	3	0	0	0

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

Organ	Findings	Control	5 ppm	15 ppm	45 ppm
	Group Name	Control	5 ppm	15 ppm	45 ppm
	No. of Animals on Study	50	50	50	50
[Body cavities]					
peritoneum		<50>	<50>	<50>	<50>
	metastasis:liver tumor	1	0	0	0
	metastasis:uterus tumor	3	2	0	1
	metastasis:subcutis tumor	0	0	1	0
	metastasis:pleura tumor	0	1	0	0

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

TABLE Q

HISTORICAL CONTROL DATA OF SELECTED NEOPLASTIC LESIONS IN JAPAN BIOASSAY RESEARCH CENTER : B6D2F1/Crlj FEMALE MICE

TABLE Q HISTORICAL CONTROL DATA OF SELECTED NEOPLASTIC LESIONS IN JAPAN BIOASSAY RESEARCH CENTER : B6D2F1/Crlj FEMALE MICE

Organs Tumors	No. of animals examined	No. of animals bearing tumor	Incidence (%)	Min. - Max. (%)
Pituitary gland	2238			
Adenoma		331	14.8	2 - 34
Bone	2247			
Osteosarcoma		8	0.4	0 - 2

45 carcinogenicity studies examined in Japan Bioassay Research Center were used.

Study No. : 0044, 0060, 0062, 0064, 0066, 0068, 0096, 0105, 0116, 0140, 0159, 0163, 0190, 0206, 0211, 0225, 0243, 0268, 0270, 0279, 0285, 0297, 0319, 0329, 0343, 0348, 0366, 0372, 0402, 0406, 0418, 0422, 0438, 0449, 0458, 0462, 0498, 0515, 0561, 0580, 0611, 0613, 0642, 0676, 0705

TABLE R1

CAUSE OF DEATH : MALE

STUDY NO. : 0732
ANIMAL : MOUSE B6D2F1/Crlj[Crj:BDF1]
SEX : MALE

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

Group Name	Control	5 ppm	15 ppm	45 ppm
Number of Dead and Moribund Animal	9	16	14	13
urinary retention	2	2	3	6
hydronephrosis	1	1	4	0
tumor d:leukemia	1	2	2	2
tumor d:subcutis	0	0	1	1
tumor d:lung	0	3	0	1
tumor d:lymph node	1	1	0	0
tumor d:spleen	1	0	2	1
tumor d:liver	2	7	1	2
tumor d:kidney	1	0	0	0
tumor d:peritoneum	0	0	1	0

TABLE R2

CAUSE OF DEATH : FEMALE

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

Group Name	Control	5 ppm	15 ppm	45 ppm
Number of Dead and Moribund Animal	28	16	17	21
no microscop confirm	0	0	1	0
hydronephrosis	2	0	0	1
tumor d:leukemia	10	6	8	8
tumor d:subcutis	0	2	2	1
tumor d:lung	0	1	0	0
tumor d:spleen	1	0	1	1
tumor d:liver	3	0	0	1
tumor d:urin bladd	0	1	0	0
tumor d:pituitary	0	2	0	1
tumor d:ovary	1	0	0	0
tumor d:uterus	10	3	5	5
tumor d:periph nerv	1	0	0	0
tumor d:bone	0	0	0	2
tumor d:pleura	0	1	0	1