二酸化窒素の rasH2 マウスを用いた吸入による
中期がん原性試験報告書

試験番号：0905

TABLES

TABLES

TABLES (CONTINUED)

TABLES (CONTINUED)

TABLE A

CONCENTRATIONS OF NITROGEN DIOXIDE IN THE INHALATION CHAMBER OF rasH2 MICE IN THE 26-WEEK CARCINOGENICITY STUDY

CONCENTRATIONS OF NITROGEN DIOXIDE IN THE INHALATION CHAMBER
OF rasH2 MICE IN THE 26-WEEK CARCINOGENICITY STUDY

Group Name	Concentration(ppm) Mean ± S.D.
Control	0.0 ± 0.0
10 ppm	10.0 ± 0.1
20 ppm	20.1 ± 0.2
40 ppm	40.1 ± 0.4

TABLE B1

SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0905 SURVIVAL ANIMAL NUMBERS
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
REPORT TYPE : A1 26
SEX : MALE

Group Name	Animals At start	Administration (Weeks) 0	1	2	3	4	5	6	7	8	9	10	11	12	13
Control	25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	24/25	24/25	24/25	24/25	24/25
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.0	96.0	96.0	96.0	96.0
10 ppm	25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
20 ppm	25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
40 ppm	25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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

STUDY NO. : 0905 SURVIVAL ANIMAL NUMBERS
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
REPORT TYPE : A1 26
SEX : MALE

Group Name	Animals At start	Administration (Weeks) 14	15	16	17	18	19	20	21	22	23	24	25	26
Control	25	24/25	24/25	24/25	24/25	24/25	24/25	23/25	23/25	23/25	23/25	23/25	23/25	23/25
		96.0	96.0	96.0	96.0	96.0	96.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
10 ppm	25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
20 ppm	25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
40 ppm	25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	24/25
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.0

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

TABLE B2

SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0905 SURVIVAL ANIMAL NUMBERS
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
REPORT TYPE : A1 26
SEX : FEMALE

Group Name	Animals At start	Administration (Weeks) 0	1	2	3	4	5	6	7	8	9	10	11	12	13
Control	25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10 ppm	25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	24/25	24/25
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.0	96.0
20 ppm	25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
40 ppm	25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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

STUDY NO. : 0905 SURVIVAL ANIMAL NUMBERS
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
REPORT TYPE : A1 26
SEX : FEMALE

Group Name	Animals At start	Administration (Weeks) 14	15	16	17	18	19	20	21	22	23	24	25	26
Control	25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
10 ppm	25	24/25	24/25	24/25	24/25	24/25	24/25	24/25	24/25	24/25	24/25	24/25	24/25	24/25
		96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
20 ppm	25	25/25	25/25	25/25	23/25	23/25	23/25	23/25	23/25	23/25	23/25	23/25	23/25	23/25
		100.0	100.0	100.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
40 ppm	25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	25/25	24/25	24/25
		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	96.0	96.0

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

TABLE C1

CLINICAL OBSERVATION : MALE

Clinical sign	Group Name	Administration Week-day 1-7	2-7	3-7	4-7	5-7	6-7	7-7	8-7	9-7	10-7	11-7	12-7	13-7	14-7
DEATH	Control	0	0	0	0	0	0	0	0	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40 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
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	0	0	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
M.EYE	Control	0	0	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40 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
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	25	25	24	24	24	24	24	24	23	23	23	23	23	23
	10 ppm	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	20 ppm	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	40 ppm	25	25	25	25	25	25	25	25	25	25	25	25	25	25

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
DEATH	Control	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0
	20 ppm	0	0	0	0	0	0	0	0	0	0	0	0
	40 ppm	0	0	0	0	0	0	0	0	0	0	0	1
MORIBUND SACRIFICE	Control	0	0	0	0	0	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0
	20 ppm	0	0	0	0	0	0	0	0	0	0	0	0
	40 ppm	0	0	0	0	0	0	0	0	0	0	0	0
EXTERNAL MASS	Control	1	1	1	1	2	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0
	20 ppm	0	0	0	0	0	0	0	0	0	0	0	0
	40 ppm	0	0	0	0	0	0	0	0	0	0	0	0
M.EYE	Control	1	1	1	1	1	1	1	1	1	1	1	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0
	20 ppm	0	0	0	0	0	0	0	0	0	0	0	0
	40 ppm	0	0	0	0	0	0	0	0	0	0	0	0
M.GENITALIA	Control	0	0	0	0	1	0	0	0	0	0	0	0
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0
	20 ppm	0	0	0	0	0	0	0	0	0	0	0	0
	40 ppm	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	23	23	23	23	22	22	22	22	22	22	22	22
	10 ppm	25	25	25	25	25	25	25	25	25	25	25	25
	20 ppm	25	25	25	25	25	25	25	25	25	25	25	25
	40 ppm	25	25	25	25	25	25	25	25	25	25	25	24

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
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	1	1	1
	20 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40 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
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40 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
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40 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
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	20 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	40 ppm	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	10 ppm	25	25	25	25	25	25	25	25	25	25	25	24	24	24
	20 ppm	25	25	25	25	25	25	25	25	25	25	25	25	25	25
	40 ppm	25	25	25	25	25	25	25	25	25	25	25	25	25	25

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
DEATH	Control	0	0	0	0	0	0	0	0	0	0	0	0
	10 ppm	1	1	1	1	1	1	1	1	1	1	1	1
	20 ppm	0	0	2	2	2	2	2	2	2	2	2	2
	40 ppm	0	0	0	0	0	0	0	0	0	0	1	1
EXTERNAL MASS	Control	0	0	0	0	0	0	0	0	0	0	0	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0
	20 ppm	0	0	0	0	1	1	1	1	1	1	1	1
	40 ppm	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	1
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0
	20 ppm	0	0	0	0	0	0	0	0	0	0	0	0
	40 ppm	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
	10 ppm	0	0	0	0	0	0	0	0	0	0	0	0
	20 ppm	0	0	0	0	1	1	1	1	1	1	1	1
	40 ppm	0	0	0	0	0	0	0	0	0	0	0	0
NON REMARKABLE	Control	25	25	25	25	25	25	25	25	25	25	25	24
	10 ppm	24	24	24	24	24	24	24	24	24	24	24	24
	20 ppm	25	25	23	23	22	22	22	22	22	22	22	22
	40 ppm	25	25	25	25	25	25	25	25	25	25	24	24

TABLE D1

BODY WEIGHT CHANGES AND SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0905 MEAN BODY WEIGHTS AND SURVIVAL
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
UNIT : g
REPORT TYPE : A1 26
SEX : MALE

Week-Day on Study	Control Av.Wt.	Control No.of Surviv. <25>	10 ppm Av.Wt.	10 ppm % of cont. <25>	10 ppm No.of Surviv.	20 ppm Av.Wt.	20 ppm % of cont. <25>	20 ppm No.of Surviv.	40 ppm Av.Wt.	40 ppm % of cont. <25>	40 ppm No.of Surviv.
0-0	24.5 (25)	25/25	24.5 (25)	100	25/25	24.5 (25)	100	25/25	24.5 (25)	100	25/25
1-7	25.1 (25)	25/25	25.2 (25)	100	25/25	24.6 (25)	98	25/25	23.3 (25)	93	25/25
2-7	25.5 (25)	25/25	25.4 (25)	100	25/25	25.1 (25)	98	25/25	24.9 (25)	98	25/25
3-7	26.1 (25)	25/25	25.9 (25)	99	25/25	25.6 (25)	98	25/25	25.3 (25)	97	25/25
4-7	26.8 (25)	25/25	26.7 (25)	100	25/25	26.2 (25)	98	25/25	26.0 (25)	97	25/25
5-7	27.4 (25)	25/25	27.4 (25)	100	25/25	26.9 (25)	98	25/25	26.5 (25)	97	25/25
6-7	27.7 (25)	25/25	27.7 (25)	100	25/25	27.4 (25)	99	25/25	26.7 (25)	96	25/25
7-7	28.3 (25)	25/25	28.5 (25)	101	25/25	28.1 (25)	99	25/25	27.3 (25)	96	25/25
8-7	28.7 (25)	25/25	29.1 (25)	101	25/25	28.3 (25)	99	25/25	28.0 (25)	98	25/25
9-7	29.4 (24)	24/25	29.3 (25)	100	25/25	28.7 (25)	98	25/25	28.3 (25)	96	25/25
10-7	29.6 (24)	24/25	29.5 (25)	100	25/25	29.0 (25)	98	25/25	28.4 (25)	96	25/25
11-7	30.0 (24)	24/25	30.1 (25)	100	25/25	29.5 (25)	98	25/25	28.6 (25)	95	25/25
12-7	30.2 (24)	24/25	30.1 (25)	100	25/25	29.7 (25)	98	25/25	28.7 (25)	95	25/25
13-7	30.4 (24)	24/25	30.4 (25)	100	25/25	29.6 (25)	97	25/25	28.8 (25)	95	25/25
14-7	30.6 (24)	24/25	30.5 (25)	100	25/25	29.9 (25)	98	25/25	29.1 (25)	95	25/25
15-7	30.9 (24)	24/25	31.0 (25)	100	25/25	30.1 (25)	97	25/25	29.2 (25)	94	25/25
16-7	31.0 (24)	24/25	31.0 (25)	100	25/25	30.1 (25)	97	25/25	29.2 (25)	94	25/25
17-7	31.2 (24)	24/25	31.4 (25)	101	25/25	30.3 (25)	97	25/25	29.3 (25)	94	25/25
18-7	31.4 (24)	24/25	31.4 (25)	100	25/25	30.3 (25)	96	25/25	29.5 (25)	94	25/25
19-7	31.2 (24)	24/25	31.4 (25)	101	25/25	30.3 (25)	97	25/25	29.5 (25)	95	25/25
20-7	31.2 (23)	23/25	31.6 (25)	101	25/25	30.6 (25)	98	25/25	29.8 (25)	96	25/25
21-7	31.6 (23)	23/25	31.9 (25)	101	25/25	30.8 (25)	97	25/25	30.4 (25)	96	25/25
22-7	31.7 (23)	23/25	31.9 (25)	101	25/25	30.9 (25)	97	25/25	30.2 (25)	95	25/25
23-7	31.8 (23)	23/25	32.0 (25)	101	25/25	31.0 (25)	97	25/25	30.1 (25)	95	25/25
24-7	32.1 (23)	23/25	32.4 (25)	101	25/25	31.0 (25)	97	25/25	30.6 (25)	95	25/25
25-7	32.6 (23)	23/25	32.7 (25)	100	25/25	31.4 (25)	96	25/25	30.4 (25)	93	25/25
26-7	32.5 (23)	23/25	33.0 (25)	102	25/25	31.7 (25)	98	25/25	30.6 (24)	94	24/25

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

TABLE D2

BODY WEIGHT CHANGES AND SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0905 MEAN BODY WEIGHTS AND SURVIVAL
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
UNIT : g
REPORT TYPE : A1 26
SEX : FEMALE

Week-Day on Study	Control Av.Wt.	Control No.of Surviv. <25>	10 ppm Av.Wt.	10 ppm % of cont. <25>	10 ppm No.of Surviv.	20 ppm Av.Wt.	20 ppm % of cont. <25>	20 ppm No.of Surviv.	40 ppm Av.Wt.	40 ppm % of cont. <25>	40 ppm No.of Surviv.
0-0	19.8 (25)	25/25	19.8 (25)	100	25/25	19.8 (25)	100	25/25	19.8 (25)	100	25/25
1-7	20.8 (25)	25/25	21.1 (25)	101	25/25	20.0 (25)	96	25/25	18.3 (25)	88	25/25
2-7	21.1 (25)	25/25	21.5 (25)	102	25/25	20.9 (25)	99	25/25	20.2 (25)	96	25/25
3-7	21.2 (25)	25/25	21.4 (25)	101	25/25	20.8 (25)	98	25/25	20.5 (25)	97	25/25
4-7	21.5 (25)	25/25	21.7 (25)	101	25/25	21.4 (25)	100	25/25	20.6 (25)	96	25/25
5-7	22.4 (25)	25/25	22.2 (25)	99	25/25	21.6 (25)	96	25/25	21.2 (25)	95	25/25
6-7	22.9 (25)	25/25	22.5 (25)	98	25/25	22.1 (25)	97	25/25	21.5 (25)	94	25/25
7-7	23.1 (25)	25/25	22.9 (25)	99	25/25	22.9 (25)	99	25/25	22.1 (25)	96	25/25
8-7	23.2 (25)	25/25	23.1 (25)	100	25/25	23.3 (25)	100	25/25	22.1 (25)	95	25/25
9-7	23.6 (25)	25/25	23.5 (25)	100	25/25	23.0 (25)	97	25/25	22.4 (25)	95	25/25
10-7	23.4 (25)	25/25	23.5 (25)	100	25/25	22.7 (25)	97	25/25	22.1 (25)	94	25/25
11-7	23.7 (25)	25/25	23.6 (25)	100	25/25	22.9 (25)	97	25/25	22.5 (25)	95	25/25
12-7	24.3 (25)	25/25	23.6 (24)	97	24/25	23.2 (25)	95	25/25	22.7 (25)	93	25/25
13-7	24.2 (25)	25/25	23.6 (24)	98	24/25	23.3 (25)	96	25/25	23.0 (25)	95	25/25
14-7	24.1 (25)	25/25	24.0 (24)	100	24/25	23.6 (25)	98	25/25	23.0 (25)	95	25/25
15-7	24.6 (25)	25/25	24.3 (24)	99	24/25	23.6 (25)	96	25/25	23.0 (25)	93	25/25
16-7	24.7 (25)	25/25	24.1 (24)	98	24/25	24.0 (25)	97	25/25	23.0 (25)	93	25/25
17-7	24.9 (25)	25/25	24.2 (24)	97	24/25	24.4 (23)	98	23/25	23.2 (25)	93	25/25
18-7	24.9 (25)	25/25	24.5 (24)	98	24/25	24.0 (23)	96	23/25	23.7 (25)	95	25/25
19-7	25.7 (25)	25/25	24.6 (24)	96	24/25	24.7 (23)	96	23/25	23.6 (25)	92	25/25
20-7	25.3 (25)	25/25	25.3 (24)	100	24/25	24.7 (23)	98	23/25	23.9 (25)	94	25/25
21-7	25.2 (25)	25/25	24.9 (24)	99	24/25	24.5 (23)	97	23/25	24.1 (25)	96	25/25
22-7	25.0 (25)	25/25	24.8 (24)	99	24/25	24.6 (23)	98	23/25	24.1 (25)	96	25/25
23-7	25.6 (25)	25/25	25.6 (24)	100	24/25	24.8 (23)	97	23/25	24.3 (25)	95	25/25
24-7	25.5 (25)	25/25	25.3 (24)	99	24/25	24.9 (23)	98	23/25	24.4 (25)	96	25/25
25-7	26.0 (25)	25/25	25.7 (24)	99	24/25	25.3 (23)	97	23/25	24.3 (24)	93	24/25
26-7	26.4 (25)	25/25	25.8 (24)	98	24/25	25.3 (23)	96	23/25	24.8 (24)	94	24/25

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

TABLE D3

BODY WEIGHT CHANGES : MALE

STUDY NO. : 0905
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
UNIT : g
REPORT TYPE : A1 26
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	24.5± 1.2	25.1± 1.4	25.5± 1.6	26.1± 1.7	26.8± 1.8	27.4± 2.1	27.7± 2.4
10 ppm	24.5± 1.2	25.2± 1.2	25.4± 1.2	25.9± 1.3	26.7± 1.6	27.4± 1.4	27.7± 1.5
20 ppm	24.5± 1.2	24.6± 1.4	25.1± 1.5	25.6± 1.6	26.2± 1.6	26.9± 1.6	27.4± 1.7
40 ppm	24.5± 1.2	23.3± 1.2**	24.9± 1.4	25.3± 1.1	26.0± 1.3	26.5± 1.2	26.7± 1.3

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

STUDY NO. : 0905 BODY WEIGHT CHANGES (SUMMARY)
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl ALL ANIMALS
UNIT : g
REPORT TYPE : A1 26
SEX : MALE

Group Name	Administration week-day 7-7	8-7	9-7	10-7	11-7	12-7	13-7
Control	28.3± 2.6	28.7± 2.8	29.4± 2.1	29.6± 1.9	30.0± 2.0	30.2± 2.0	30.4± 2.1
10 ppm	28.5± 1.5	29.1± 1.7	29.3± 1.8	29.5± 1.9	30.1± 1.8	30.1± 2.0	30.4± 2.1
20 ppm	28.1± 1.7	28.3± 1.7	28.7± 1.5	29.0± 1.7	29.5± 1.8	29.7± 2.0	29.6± 1.9
40 ppm	27.3± 1.3	28.0± 1.5	28.3± 1.5	28.4± 1.5	28.6± 1.5*	28.7± 1.8*	28.8± 1.8*

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

STUDY NO. : 0905 BODY WEIGHT CHANGES (SUMMARY)
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl ALL ANIMALS
UNIT : g
REPORT TYPE : A1 26
SEX : MALE

Group Name	Administration week-day 14-7	15-7	16-7	17-7	18-7	19-7	20-7
Control	30.6± 2.0	30.9± 2.1	31.0± 2.0	31.2± 2.2	31.4± 2.3	31.2± 2.0	31.2± 1.9
10 ppm	30.5± 2.1	31.0± 2.2	31.0± 2.3	31.4± 2.0	31.4± 2.0	31.4± 2.2	31.6± 2.2
20 ppm	29.9± 2.1	30.1± 1.9	30.1± 1.8	30.3± 1.7	30.3± 1.8	30.3± 1.8	30.6± 1.9
40 ppm	29.1± 1.9*	29.2± 1.8*	29.2± 2.0**	29.3± 1.8**	29.5± 1.8**	29.5± 2.0**	29.8± 2.1

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

STUDY NO. : 0905 BODY WEIGHT CHANGES (SUMMARY)
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl ALL ANIMALS
UNIT : g
REPORT TYPE : A1 26
SEX : MALE

Group Name	Administration week-day 21-7	22-7	23-7	24-7	25-7	26-7
Control	31.6± 1.9	31.7± 1.8	31.8± 1.7	32.1± 2.0	32.6± 1.9	32.5± 1.9
10 ppm	31.9± 2.2	31.9± 2.3	32.0± 2.1	32.4± 2.2	32.7± 2.0	33.0± 2.3
20 ppm	30.8± 1.9	30.9± 2.0	31.0± 1.9	31.0± 1.9	31.4± 1.7	31.7± 1.9
40 ppm	30.4± 2.0	30.2± 1.8*	30.1± 1.9**	30.6± 1.9*	30.4± 1.8**	30.6± 2.1**

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

TABLE D4

BODY WEIGHT CHANGES : FEMALE

STUDY NO. : 0905 BODY WEIGHT CHANGES (SUMMARY)
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl ALL ANIMALS
UNIT : g
REPORT TYPE : A1 26
SEX : FEMALE

Group Name	Administration week-day 0-0	1-7	2-7	3-7	4-7	5-7	6-7
Control	19.8± 1.1	20.8± 1.4	21.1± 1.4	21.2± 1.4	21.5± 1.4	22.4± 1.3	22.9± 0.9
10 ppm	19.8± 1.1	21.1± 1.2	21.5± 1.2	21.4± 1.2	21.7± 0.9	22.2± 0.9	22.5± 1.0
20 ppm	19.8± 1.1	20.0± 1.3	20.9± 1.1	20.8± 0.9	21.4± 0.9	21.6± 1.1*	22.1± 1.3*
40 ppm	19.8± 1.2	18.3± 1.4**	20.2± 1.3*	20.5± 1.2	20.6± 1.3*	21.2± 1.2**	21.5± 1.2**

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

STUDY NO. : 0905 BODY WEIGHT CHANGES (SUMMARY)
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl ALL ANIMALS
UNIT : g
REPORT TYPE : A1 26
SEX : FEMALE

Group Name	Administration week-day 7-7	8-7	9-7	10-7	11-7	12-7	13-7
Control	23.1± 1.2	23.2± 1.0	23.6± 1.2	23.4± 1.6	23.7± 1.0	24.3± 1.4	24.2± 1.5
10 ppm	22.9± 1.2	23.1± 1.1	23.5± 1.1	23.5± 1.4	23.6± 1.3	23.6± 1.1	23.6± 1.3
20 ppm	22.9± 1.0	23.3± 1.5	23.0± 1.5	22.7± 1.5	22.9± 1.2	23.2± 1.5*	23.3± 1.3
40 ppm	22.1± 1.1**	22.1± 1.1**	22.4± 1.1**	22.1± 1.3**	22.5± 1.1**	22.7± 1.2**	23.0± 1.5**

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

STUDY NO. : 0905 BODY WEIGHT CHANGES (SUMMARY)
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl ALL ANIMALS
UNIT : g
REPORT TYPE : A1 26
SEX : FEMALE

Group Name	Administration week-day 14-7	15-7	16-7	17-7	18-7	19-7	20-7
Control	24.1± 1.2	24.6± 1.2	24.7± 1.5	24.9± 1.6	24.9± 1.5	25.7± 1.6	25.3± 1.8
10 ppm	24.0± 1.2	24.3± 1.6	24.1± 0.9	24.2± 1.0	24.5± 1.5	24.6± 1.2*	25.3± 1.9
20 ppm	23.6± 1.3	23.6± 1.6*	24.0± 1.7	24.4± 1.5	24.0± 1.3	24.7± 1.4*	24.7± 1.3
40 ppm	23.0± 1.4**	23.0± 1.2**	23.0± 1.5**	23.2± 1.1**	23.7± 1.6**	23.6± 1.2**	23.9± 1.5**

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

STUDY NO. : 0905 BODY WEIGHT CHANGES (SUMMARY)
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl ALL ANIMALS
UNIT : g
REPORT TYPE : A1 26
SEX : FEMALE

Group Name	Administration week-day 21-7	22-7	23-7	24-7	25-7	26-7
Control	25.2± 1.5	25.0± 1.3	25.6± 1.4	25.5± 1.7	26.0± 1.8	26.4± 1.8
10 ppm	24.9± 1.3	24.8± 1.2	25.6± 1.8	25.3± 1.5	25.7± 1.2	25.8± 1.7
20 ppm	24.5± 1.3	24.6± 1.5	24.8± 1.4	24.9± 1.4	25.3± 1.4	25.3± 1.8
40 ppm	24.1± 1.4*	24.1± 2.0	24.3± 1.3**	24.4± 1.7	24.3± 1.4**	24.8± 1.4**

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

TABLE E1

FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL NUMBERS : MALE

STUDY NO. : 0905 MEAN FOOD CONSUMPTION(FC) AND SURVIVAL
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
UNIT : g
REPORT TYPE : A1 26
SEX : MALE

Week-Day on Study	Control Av.FC.	Control No.of Surviv. <25>	10 ppm Av.FC.	10 ppm % of cont. <25>	10 ppm No.of Surviv.	20 ppm Av.FC.	20 ppm % of cont. <25>	20 ppm No.of Surviv.	40 ppm Av.FC.	40 ppm % of cont. <25>	40 ppm No.of Surviv.
1-7	4.3 (25)	25/25	4.5 (25)	105	25/25	3.8 (25)	88	25/25	3.1 (25)	72	25/25
2-7	3.8 (25)	25/25	3.9 (25)	103	25/25	4.0 (25)	105	25/25	4.4 (25)	116	25/25
3-7	3.9 (25)	25/25	3.8 (25)	97	25/25	3.8 (25)	97	25/25	3.7 (25)	95	25/25
4-7	4.0 (25)	25/25	4.0 (25)	100	25/25	3.9 (25)	98	25/25	3.9 (25)	98	25/25
5-7	4.0 (25)	25/25	4.1 (25)	103	25/25	4.1 (25)	103	25/25	3.9 (25)	98	25/25
6-7	4.1 (25)	25/25	4.0 (25)	98	25/25	4.0 (25)	98	25/25	3.8 (25)	93	25/25
7-7	4.2 (25)	25/25	4.2 (25)	100	25/25	4.2 (25)	100	25/25	4.0 (25)	95	25/25
8-7	4.2 (25)	25/25	4.1 (25)	98	25/25	4.1 (25)	98	25/25	4.0 (25)	95	25/25
9-7	4.3 (24)	24/25	4.1 (25)	95	25/25	4.1 (25)	95	25/25	3.9 (25)	91	25/25
10-7	4.3 (24)	24/25	4.2 (25)	98	25/25	4.2 (25)	98	25/25	4.0 (25)	93	25/25
11-7	4.4 (24)	24/25	4.2 (25)	95	25/25	4.2 (25)	95	25/25	3.9 (25)	89	25/25
12-7	4.3 (24)	24/25	4.1 (25)	95	25/25	4.1 (25)	95	25/25	4.0 (25)	93	25/25
13-7	4.3 (24)	24/25	4.1 (25)	95	25/25	4.0 (25)	93	25/25	3.9 (25)	91	25/25
14-7	4.4 (24)	24/25	4.1 (25)	93	25/25	4.1 (25)	93	25/25	4.0 (25)	91	25/25
15-7	4.3 (24)	24/25	4.1 (25)	95	25/25	4.2 (25)	98	25/25	3.9 (25)	91	25/25
16-7	4.5 (24)	24/25	4.3 (25)	96	25/25	4.3 (25)	96	25/25	4.1 (25)	91	25/25
17-7	4.5 (24)	24/25	4.4 (25)	98	25/25	4.3 (25)	96	25/25	4.1 (25)	91	25/25
18-7	4.6 (24)	24/25	4.3 (25)	93	25/25	4.4 (25)	96	25/25	4.4 (25)	96	25/25
19-7	4.5 (24)	24/25	4.3 (25)	96	25/25	4.5 (25)	100	25/25	4.2 (25)	93	25/25
20-7	4.6 (23)	23/25	4.5 (25)	98	25/25	4.5 (25)	98	25/25	4.4 (25)	96	25/25
21-7	4.6 (23)	23/25	4.4 (25)	96	25/25	4.5 (25)	98	25/25	4.4 (25)	96	25/25
22-7	4.6 (23)	23/25	4.4 (25)	96	25/25	4.5 (25)	98	25/25	4.3 (25)	93	25/25
23-7	4.6 (23)	23/25	4.4 (25)	96	25/25	4.5 (25)	98	25/25	4.3 (25)	93	25/25
24-7	4.6 (23)	23/25	4.6 (25)	100	25/25	4.6 (25)	100	25/25	4.5 (25)	98	25/25
25-7	4.6 (23)	23/25	4.5 (25)	98	25/25	4.6 (25)	100	25/25	4.4 (25)	96	25/25
26-7	4.5 (23)	23/25	4.4 (25)	98	25/25	4.5 (25)	100	25/25	4.4 (24)	98	24/25

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

TABLE E2

FOOD CONSUMPTION CHANGES AND SURVIVAL ANIMAL NUMBERS : FEMALE

STUDY NO. : 0905 MEAN FOOD CONSUMPTION(FC) AND SURVIVAL
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
UNIT : g
REPORT TYPE : A1 26
SEX : FEMALE

	Control		10 ppm			20 ppm			40 ppm		
Week-Day on Study	Av.FC.	No.of Surviv. <25>	Av.FC.	% of cont. <25>	No.of Surviv.	Av.FC.	% of cont. <25>	No.of Surviv.	Av.FC.	% of cont. <25>	No.of Surviv.
1-7	3.9 (25)	25/25	3.9 (25)	100	25/25	3.3 (25)	85	25/25	2.3 (25)	59	25/25
2-7	3.4 (25)	25/25	3.5 (25)	103	25/25	3.6 (25)	106	25/25	3.9 (25)	115	25/25
3-7	3.2 (25)	25/25	3.2 (25)	100	25/25	3.2 (25)	100	25/25	3.2 (25)	100	25/25
4-7	3.4 (25)	25/25	3.3 (25)	97	25/25	3.4 (25)	100	25/25	3.3 (25)	97	25/25
5-7	3.5 (25)	25/25	3.4 (25)	97	25/25	3.4 (25)	97	25/25	3.3 (25)	94	25/25
6-7	3.7 (25)	25/25	3.4 (25)	92	25/25	3.5 (25)	95	25/25	3.4 (25)	92	25/25
7-7	3.8 (25)	25/25	3.7 (25)	97	25/25	3.7 (25)	97	25/25	3.5 (25)	92	25/25
8-7	3.7 (25)	25/25	3.6 (25)	97	25/25	3.7 (25)	100	25/25	3.4 (25)	92	25/25
9-7	3.8 (25)	25/25	3.9 (25)	103	25/25	3.4 (25)	89	25/25	3.4 (25)	89	25/25
10-7	3.7 (25)	25/25	3.9 (25)	105	25/25	3.6 (25)	97	25/25	3.5 (25)	95	25/25
11-7	3.8 (25)	25/25	3.6 (25)	95	25/25	3.5 (25)	92	25/25	3.5 (25)	92	25/25
12-7	3.8 (25)	25/25	3.6 (24)	95	24/25	3.5 (25)	92	25/25	3.5 (25)	92	25/25
13-7	3.8 (25)	25/25	3.5 (24)	92	24/25	3.5 (25)	92	25/25	3.4 (25)	89	25/25
14-7	3.7 (25)	25/25	3.7 (24)	100	24/25	3.5 (25)	95	25/25	3.5 (25)	95	25/25
15-7	3.8 (25)	25/25	3.7 (24)	97	24/25	3.5 (25)	92	25/25	3.4 (25)	89	25/25
16-7	4.0 (25)	25/25	3.8 (24)	95	24/25	3.8 (25)	95	25/25	3.6 (25)	90	25/25
17-7	4.1 (25)	25/25	3.9 (24)	95	24/25	3.8 (23)	93	23/25	3.6 (25)	88	25/25
18-7	4.0 (25)	25/25	4.0 (24)	100	24/25	3.8 (23)	95	23/25	3.8 (25)	95	25/25
19-7	4.3 (25)	25/25	4.0 (24)	93	24/25	4.0 (23)	93	23/25	3.7 (25)	86	25/25
20-7	4.2 (25)	25/25	4.2 (24)	100	24/25	3.9 (23)	93	23/25	3.8 (25)	90	25/25
21-7	4.1 (25)	25/25	4.0 (24)	98	24/25	3.9 (23)	95	23/25	3.7 (25)	90	25/25
22-7	4.2 (25)	25/25	4.0 (24)	95	24/25	3.9 (23)	93	23/25	3.8 (25)	90	25/25
23-7	4.3 (25)	25/25	4.3 (24)	100	24/25	4.0 (23)	93	23/25	3.8 (25)	88	25/25
24-7	4.3 (25)	25/25	4.2 (24)	98	24/25	4.0 (23)	93	23/25	3.8 (25)	88	25/25
25-7	4.2 (25)	25/25	4.2 (24)	100	24/25	4.0 (23)	95	23/25	3.8 (24)	90	24/25
26-7	4.1 (25)	25/25	4.1 (24)	100	24/25	3.8 (23)	93	23/25	3.7 (24)	90	24/25

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

TABLE E3

FOOD CONSUMPTION CHANGES : MALE

STUDY NO. : 0905
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
UNIT : g
REPORT TYPE : A1 26
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	4.3± 0.4	3.8± 0.3	3.9± 0.2	4.0± 0.4	4.0± 0.4	4.1± 0.5	4.2± 0.6
10 ppm	4.5± 0.3	3.9± 0.3	3.8± 0.3	4.0± 0.3	4.1± 0.3	4.0± 0.4	4.2± 0.3
20 ppm	3.8± 0.3**	4.0± 0.3*	3.8± 0.3	3.9± 0.4	4.1± 0.4	4.0± 0.4	4.2± 0.4
40 ppm	3.1± 0.3**	4.4± 0.3**	3.7± 0.3	3.9± 0.4	3.9± 0.4	3.8± 0.4	4.0± 0.4

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

STUDY NO. : 0905
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
UNIT : g
REPORT TYPE : A1 26
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	4.2± 0.6	4.3± 0.5	4.3± 0.4	4.4± 0.5	4.3± 0.5	4.3± 0.6	4.4± 0.5
10 ppm	4.1± 0.3	4.1± 0.4	4.2± 0.3	4.2± 0.3	4.1± 0.4	4.1± 0.3	4.1± 0.4
20 ppm	4.1± 0.5	4.1± 0.4	4.2± 0.5	4.2± 0.4	4.1± 0.5	4.0± 0.5*	4.1± 0.5
40 ppm	4.0± 0.4	3.9± 0.4*	4.0± 0.5**	3.9± 0.4**	4.0± 0.5	3.9± 0.4*	4.0± 0.4**

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

STUDY NO. : 0905
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
UNIT : g
REPORT TYPE : A1 26
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 15-7(7)	16-7(7)	17-7(7)	18-7(7)	19-7(7)	20-7(7)	21-7(7)
Control	4.3± 0.5	4.5± 0.5	4.5± 0.6	4.6± 0.5	4.5± 0.5	4.6± 0.5	4.6± 0.5
10 ppm	4.1± 0.4	4.3± 0.4	4.4± 0.4	4.3± 0.4	4.3± 0.5	4.5± 0.4	4.4± 0.4
20 ppm	4.2± 0.5	4.3± 0.6	4.3± 0.5	4.4± 0.6	4.5± 0.6	4.5± 0.6	4.5± 0.6
40 ppm	3.9± 0.5	4.1± 0.5	4.1± 0.5**	4.4± 0.6	4.2± 0.5	4.4± 0.5	4.4± 0.5

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

STUDY NO. : 0905
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
UNIT : g
REPORT TYPE : A1 26
SEX : MALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 22-7(7)	23-7(7)	24-7(7)	25-7(7)	26-7(7)
Control	4.6± 0.5	4.6± 0.4	4.6± 0.5	4.6± 0.5	4.5± 0.5
10 ppm	4.4± 0.5	4.4± 0.5	4.6± 0.5	4.5± 0.4	4.4± 0.5
20 ppm	4.5± 0.7	4.5± 0.6	4.6± 0.7	4.6± 0.6	4.5± 0.6
40 ppm	4.3± 0.5	4.3± 0.6	4.5± 0.6	4.4± 0.6	4.4± 0.5

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

TABLE E4

FOOD CONSUMPTION CHANGES : FEMALE

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± 0.4	3.4± 0.3	3.2± 0.2	3.4± 0.3	3.5± 0.4	3.7± 0.3	3.8± 0.4
10 ppm	3.9± 0.3	3.5± 0.2	3.2± 0.3	3.3± 0.2	3.4± 0.3	3.4± 0.4*	3.7± 0.3
20 ppm	3.3± 0.4**	3.6± 0.3*	3.2± 0.2	3.4± 0.3	3.4± 0.3	3.5± 0.3	3.7± 0.2
40 ppm	2.3± 0.4**	3.9± 0.4**	3.2± 0.3	3.3± 0.2	3.3± 0.3	3.4± 0.3*	3.5± 0.3**

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

STUDY NO. : 0905
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
UNIT : g
REPORT TYPE : A1 26
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	3.7± 0.4	3.8± 0.4	3.7± 0.4	3.8± 0.3	3.8± 0.4	3.8± 0.4	3.7± 0.4
10 ppm	3.6± 0.3	3.9± 1.2	3.9± 1.2	3.6± 0.3	3.6± 0.3*	3.5± 0.3*	3.7± 0.3
20 ppm	3.7± 0.4	3.4± 0.3**	3.6± 0.3	3.5± 0.2**	3.5± 0.2*	3.5± 0.3**	3.5± 0.3*
40 ppm	3.4± 0.3**	3.4± 0.3**	3.5± 0.3*	3.5± 0.3**	3.5± 0.3*	3.4± 0.3**	3.5± 0.3*

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

STUDY NO. : 0905
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
UNIT : g
REPORT TYPE : A1 26
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 15-7(7)	16-7(7)	17-7(7)	18-7(7)	19-7(7)	20-7(7)	21-7(7)
Control	3.8± 0.4	4.0± 0.5	4.1± 0.5	4.0± 0.4	4.3± 0.4	4.2± 0.5	4.1± 0.5
10 ppm	3.7± 0.3	3.8± 0.4	3.9± 0.4	4.0± 0.4	4.0± 0.4	4.2± 0.5	4.0± 0.5
20 ppm	3.5± 0.3**	3.8± 0.3	3.8± 0.5	3.8± 0.3	4.0± 0.3*	3.9± 0.3	3.9± 0.4
40 ppm	3.4± 0.3**	3.6± 0.3**	3.6± 0.3**	3.8± 0.2	3.7± 0.3**	3.8± 0.3**	3.7± 0.3**

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

STUDY NO. : 0905
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
UNIT : g
REPORT TYPE : A1 26
SEX : FEMALE

FOOD CONSUMPTION CHANGES (SUMMARY)
ALL ANIMALS

Group Name	Administration week-day(effective) 22-7(7)	23-7(7)	24-7(7)	25-7(7)	26-7(7)
Control	4.2± 0.5	4.3± 0.4	4.3± 0.6	4.2± 0.4	4.1± 0.6
10 ppm	4.0± 0.4	4.3± 0.4	4.2± 0.5	4.2± 0.4	4.1± 0.5
20 ppm	3.9± 0.4*	4.0± 0.3*	4.0± 0.3	4.0± 0.3*	3.8± 0.4
40 ppm	3.8± 0.4**	3.8± 0.3**	3.8± 0.4**	3.8± 0.3**	3.7± 0.3*

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

TABLE F1

URINALYSIS : MALE

STUDY NO. : 0905 URINALYSIS
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

Group Name	NO. of Animals	pH 5.0	6.0	6.5	7.0	7.5	8.0	8.5	CHI	Protein −	±	+	2+	3+	4+	CHI	Glucose −	±	+	2+	3+	4+	CHI	Ketone body −	±	+	2+	3+	4+	CHI	Occult blood −	±	+	2+	3+	CHI
Control	13	0	0	1	0	0	0	12		0	1	8	4	0	0		13	0	0	0	0	0		3	6	3	1	0	0		13	0	0	0	0	
10 ppm	14	0	1	1	0	1	1	10		0	3	9	2	0	0		14	0	0	0	0	0		3	7	4	0	0	0		14	0	0	0	0	
20 ppm	11	0	0	0	0	0	1	10		0	0	6	5	0	0		11	0	0	0	0	0		1	3	7	0	0	0		11	0	0	0	0	
40 ppm	14	0	0	1	2	1	3	7		0	0	4	10	0	0		14	0	0	0	0	0		1	4	5	4	0	0		13	0	1	0	0	

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

Group Name	NO. of Animals	Urobilinogen ±	+	2+	3+	4+	CHI
Control	13	13	0	0	0	0	
10 ppm	14	14	0	0	0	0	
20 ppm	11	11	0	0	0	0	
40 ppm	14	14	0	0	0	0	

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

TABLE F2

URINALYSIS : FEMALE

STUDY NO. : 0905 URINALYSIS
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
MEASURE. TIME : 1
SEX : FEMALE REPORT TYPE : A1

Group Name	NO. of Animals	pH 5.0	6.0	6.5	7.0	7.5	8.0	8.5	CHI	Protein −	±	+	2+	3+	4+	CHI	Glucose −	±	+	2+	3+	4+	CHI	Ketone body −	±	+	2+	3+	4+	CHI	Occult blood −	±	+	2+	3+	CHI
Control	21	0	0	2	2	4	11	2		1	14	6	0	0	0		21	0	0	0	0	0		9	9	3	0	0	0		21	0	0	0	0	
10 ppm	23	0	2	1	3	4	10	3		2	10	11	0	0	0		23	0	0	0	0	0		5	14	3	1	0	0		23	0	0	0	0	
20 ppm	22	0	0	1	2	4	13	2		3	6	13	0	0	0	*	22	0	0	0	0	0		3	17	2	0	0	0		22	0	0	0	0	
40 ppm	17	0	0	1	1	2	7	6		3	1	13	0	0	0	**	17	0	0	0	0	0		3	13	1	0	0	0		17	0	0	0	0	

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

Group Name	NO. of Animals	Urobilinogen ±	+	2+	3+	4+	CHI
Control	21	21	0	0	0	0	
10 ppm	23	23	0	0	0	0	
20 ppm	22	22	0	0	0	0	
40 ppm	17	17	0	0	0	0	

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

TABLE G1

HEMATOLOGY : MALE

STUDY NO. : 0905
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

HEMATOLOGY (SUMMARY)
ALL ANIMALS (27W)

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	22	11.30±	0.40	16.9±	0.4	48.6±	1.5	43.0±	0.5	14.9±	0.3	34.7±	0.6	1484±	78
10 ppm	25	11.33±	0.38	16.8±	0.4	48.3±	1.2	42.6±	0.8	14.8±	0.4	34.8±	0.4	1439±	73
20 ppm	25	11.06±	0.84	16.5±	1.3	47.5±	3.0	43.0±	1.0	15.0±	0.4	34.8±	0.8	1439±	102
40 ppm	24	11.48±	0.40	17.0±	0.4	49.0±	1.2	42.7±	1.0	14.8±	0.5	34.6±	0.4	1416±	85

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

Group Name	NO. of Animals	RETICULOCYTE %
Control	22	3.1± 0.2
10 ppm	25	3.0± 0.2
20 ppm	25	3.5± 1.6
40 ppm	24	3.0± 0.2

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

Group Name	NO. of Animals	WBC $10^3/\mu\ell$		Differential WBC (%) NEUTRO		LYMPHO		MONO		EOSINO		BASO	
Control	22	1.97±	1.10	30.6±	7.3	65.1±	6.3	2.7±	1.0	1.6±	1.2	0.0±	0.0
10 ppm	25	2.02±	1.08	30.1±	7.7	66.0±	7.2	2.4±	0.8	1.4±	1.0	0.0±	0.0
20 ppm	25	2.02±	1.47	29.4±	8.7	65.9±	7.9	2.8±	1.2	1.9±	1.3	0.0±	0.1
40 ppm	24	2.00±	1.71	31.8±	7.2	64.1±	6.7	2.4±	0.7	1.7±	1.2	0.0±	0.0

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

TABLE G2

HEMATOLOGY : FEMALE

Group Name	NO. of Animals	RED BLOOD CELL $10^6/\mu\ell$		HEMOGLOBIN g/dℓ		HEMATOCRIT %		MCV fℓ		MCH pg		MCHC g/dℓ		PLATELET $10^3/\mu\ell$	
Control	24	10.61±	1.65	16.1±	2.6	46.1±	6.4	43.7±	2.1	15.1±	0.5	34.7±	2.2	1249±	153
10 ppm	24	11.20±	0.26*	16.9±	0.3	48.2±	1.2	43.0±	0.6	15.1±	0.2	35.1±	0.5	1270±	118
20 ppm	23	10.96±	0.30	16.6±	0.4	47.4±	1.2	43.3±	0.5	15.2±	0.3	35.0±	0.5	1292±	123
40 ppm	24	11.00±	0.37	16.6±	0.4	47.6±	1.5	43.3±	0.5	15.1±	0.3	34.8±	0.5	1239±	119

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

Group Name	NO. of Animals	RETICULOCYTE %	
Control	24	4.6±	6.3
10 ppm	24	3.1±	0.7
20 ppm	23	2.8±	0.6
40 ppm	24	2.9±	0.6

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

Group Name	NO. of Animals	WBC $10^3/\mu\ell$		Differential WBC (%) NEUTRO		LYMPHO		MONO		EOSINO		BASO	
Control	24	2.35±	1.33	29.1±	8.4	65.9±	8.1	3.5±	1.1	1.4±	1.3	0.1±	0.2
10 ppm	24	2.57±	1.83	30.5±	9.6	64.7±	9.0	3.0±	1.0	1.7±	1.3	0.0±	0.1
20 ppm	23	2.95±	2.79	28.0±	8.6	66.8±	8.1	3.4±	1.0	1.8±	1.9	0.0±	0.0
40 ppm	24	2.43±	2.00	27.8±	7.1	66.0±	6.1	3.9±	1.6	2.3±	1.5	0.0±	0.0

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

TABLE H1

BIOCHEMISTRY : MALE

STUDY NO. : 0905
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (27W)

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	23	5.1±	0.2	2.8±	0.1	1.3±	0.1	0.05±	0.01	201±	25	75±	9	54±	15
10 ppm	25	5.1±	0.1	2.8±	0.1	1.3±	0.1	0.05±	0.02	189±	32	74±	8	51±	17
20 ppm	25	5.0±	0.2	2.8±	0.1	1.2±	0.1	0.05±	0.01	196±	31	71±	8	49±	11
40 ppm	24	5.1±	0.2	2.8±	0.1	1.3±	0.1	0.06±	0.02	182±	28	68±	7*	41±	11**

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

STUDY NO. : 0905
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
MEASURE. TIME : 1
SEX : MALE REPORT TYPE : A1

BIOCHEMISTRY (SUMMARY)
ALL ANIMALS (27W)

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	23	160± 20	58± 15	20± 6	229± 60	197± 21	0.4± 0.4	118± 159
10 ppm	25	160± 17	56± 13	22± 7	225± 43	198± 16	0.3± 0.2	85± 73
20 ppm	25	153± 18	49± 11	20± 5	218± 60	198± 24	0.4± 0.4	62± 47**
40 ppm	24	146± 16*	53± 18	21± 6	210± 42	211± 21	0.3± 0.3	64± 46*

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

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	23	26.2±	7.5	150±	1	3.8±	0.3	117±	3	8.5±	0.2	5.3±	1.2
10 ppm	25	22.8±	6.5*	151±	1	3.7±	0.3	118±	2	8.6±	0.2	5.1±	0.7
20 ppm	25	22.3±	5.4*	151±	2	3.7±	0.3	117±	2	8.5±	0.2	5.1±	0.9
40 ppm	24	21.3±	4.2**	151±	1	3.7±	0.3	118±	2	8.6±	0.1	5.2±	0.8

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

TABLE H2

BIOCHEMISTRY : FEMALE

Group Name	NO. of Animals	TOTAL PROTEIN g／dℓ		ALBUMIN g／dℓ		A/G RATIO		T-BILIRUBIN mg／dℓ		GLUCOSE mg／dℓ		T-CHOLESTEROL mg／dℓ		TRIGLYCERIDE mg／dℓ	
Control	24	5.1±	0.3	3.0±	0.1	1.4±	0.1	0.05±	0.02	181±	28	63±	8	41±	22
10 ppm	24	5.2±	0.1	3.0±	0.1	1.4±	0.1	0.05±	0.01	184±	28	63±	7	37±	15
20 ppm	23	5.2±	0.1	3.1±	0.1	1.4±	0.1	0.05±	0.01	184±	30	63±	7	38±	13
40 ppm	24	5.2±	0.1	3.1±	0.1	1.4±	0.1	0.04±	0.01	186±	25	59±	7	35±	9

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

Group Name	NO. of Animals	PHOSPHOLIPID mg／dℓ	AST U／L	ALT U／L	LDH U／L	ALP U／L	G-GTP U／L	CK U／L
Control	24	132± 18	62± 12	20± 4	205± 113	314± 54	0.5± 0.3	74± 74
10 ppm	24	132± 15	64± 16	21± 6	191± 56	330± 32	0.4± 0.3	75± 69
20 ppm	23	133± 14	59± 14	20± 5	189± 46	309± 30	0.4± 0.2	92± 152
40 ppm	24	125± 14	64± 18	22± 10	187± 45	324± 42	0.4± 0.3	53± 13

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

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	24	17.4±	5.7	150±	2	3.3±	0.2	118±	2	8.9±	0.2	5.2±	0.9
10 ppm	24	17.7±	2.0	151±	2	3.2±	0.3	118±	2	8.9±	0.2	5.2±	0.9
20 ppm	23	17.3±	2.8	151±	1	3.4±	0.4	118±	2	9.0±	0.1	5.3±	0.9
40 ppm	24	16.4±	2.0	151±	1	3.3±	0.3	118±	2	8.9±	0.2	5.2±	0.9

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

TABLE I 1

GROSS FINDINGS : MALE

Organ	Findings	Group Name / NO. of Animals	Control 25	(%)	10 ppm 25	(%)	20 ppm 25	(%)	40 ppm 25	(%)
skin/app	nodule		1	(4)	0	(0)	0	(0)	0	(0)
subcutis	red zone		1	(4)	0	(0)	0	(0)	0	(0)
	mass		1	(4)	0	(0)	0	(0)	0	(0)
lung	nodule		0	(0)	1	(4)	2	(8)	1	(4)
thymus	atrophic		1	(4)	0	(0)	0	(0)	0	(0)
spleen	enlarged		1	(4)	0	(0)	0	(0)	0	(0)
	black zone		1	(4)	2	(8)	2	(8)	3	(12)
	nodule		0	(0)	0	(0)	0	(0)	2	(8)
stomach	forestomach:nodule		0	(0)	0	(0)	0	(0)	2	(8)
liver	white zone		1	(4)	0	(0)	0	(0)	0	(0)
pancreas	cyst		0	(0)	0	(0)	1	(4)	0	(0)
testis	enlarged		0	(0)	0	(0)	1	(4)	0	(0)
pleura	white zone		1	(4)	0	(0)	0	(0)	0	(0)
abdominal c	hemorrhage		0	(0)	0	(0)	0	(0)	1	(4)
thoracic ca	pleural fluid		1	(4)	0	(0)	0	(0)	0	(0)

TABLE I 2

GROSS FINDINGS : FEMALE

Organ	Findings	Group Name / NO. of Animals	Control 25	(%)	10 ppm 25	(%)	20 ppm 25	(%)	40 ppm 25	(%)
skin/app	nodule		0	(0)	0	(0)	1	(4)	1	(4)
subcutis	edema		0	(0)	0	(0)	0	(0)	1	(4)
lung	red zone		0	(0)	0	(0)	1	(4)	0	(0)
	nodule		1	(4)	1	(4)	2	(8)	1	(4)
thymus	atrophic		0	(0)	0	(0)	0	(0)	1	(4)
spleen	enlarged		1	(4)	0	(0)	0	(0)	1	(4)
	black zone		0	(0)	1	(4)	2	(8)	3	(12)
	nodule		1	(4)	2	(8)	2	(8)	0	(0)
	deformed		0	(0)	0	(0)	1	(4)	0	(0)
salivary gl	nodule		1	(4)	0	(0)	0	(0)	0	(0)
stomach	forestomach:nodule		0	(0)	0	(0)	4	(16)	1	(4)
	glandular stomach:thick		1	(4)	0	(0)	0	(0)	0	(0)
liver	red zone		0	(0)	0	(0)	1	(4)	0	(0)
kidney	hydronephrosis		1	(4)	0	(0)	0	(0)	0	(0)
uterus	black zone		0	(0)	0	(0)	0	(0)	1	(4)
	nodule		0	(0)	0	(0)	1	(4)	0	(0)
mediastinum	mass		0	(0)	0	(0)	1	(4)	0	(0)
peritoneum	nodule		1	(4)	0	(0)	0	(0)	0	(0)
retroperit	red zone		0	(0)	0	(0)	0	(0)	1	(4)
abdominal c	hemorrhage		0	(0)	0	(0)	1	(4)	0	(0)
	ascites		0	(0)	1	(4)	0	(0)	1	(4)
thoracic ca	hemorrhage		0	(0)	0	(0)	1	(4)	0	(0)

Organ	Findings	Group Name / NO. of Animals	Control 25 (%)	10 ppm 25 (%)	20 ppm 25 (%)	40 ppm 25 (%)
thoracic ca	pleural fluid		0 (0)	0 (0)	0 (0)	1 (4)
whole body	anemic		1 (4)	0 (0)	0 (0)	0 (0)

TABLE J1

ORGAN WEIGHT, ABSOLUTE : MALE

STUDY NO. : 0905
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
REPORT TYPE : A1
SEX : MALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (27W)

Group Name	NO. of Animals	Body Weight	THYMUS	ADRENALS	TESTES	HEART	LUNGS
Control	23	28.1± 1.7	0.047± 0.012	0.018± 0.007	0.251± 0.038	0.186± 0.021	0.169± 0.013
10 ppm	25	28.4± 2.2	0.048± 0.016	0.016± 0.005	0.251± 0.044	0.187± 0.019	0.178± 0.014
20 ppm	25	27.4± 1.8	0.046± 0.009	0.017± 0.006	0.271± 0.076	0.186± 0.024	0.194± 0.028**
40 ppm	24	26.5± 1.8*	0.042± 0.012	0.017± 0.005	0.270± 0.020	0.182± 0.020	0.209± 0.019**

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

STUDY NO. : 0905
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
REPORT TYPE : A1
SEX : MALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (27W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	23	0.602± 0.057	0.068± 0.013	1.275± 0.094	0.467± 0.017
10 ppm	25	0.607± 0.058	0.070± 0.012	1.279± 0.116	0.480± 0.028
20 ppm	25	0.610± 0.063	0.068± 0.017	1.239± 0.098	0.474± 0.016
40 ppm	24	0.599± 0.059	0.064± 0.012	1.212± 0.103	0.478± 0.032

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

TABLE J2

ORGAN WEIGHT, ABSOLUTE : FEMALE

STUDY NO. : 0905
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
REPORT TYPE : A1
SEX : FEMALE
UNIT: g

ORGAN WEIGHT:ABSOLUTE (SUMMARY)
SURVIVAL ANIMALS (27W)

Group Name	NO. of Animals	Body Weight	THYMUS	ADRENALS	OVARIES	HEART	LUNGS
Control	25	22.5± 1.7	0.047± 0.015	0.017± 0.003	0.039± 0.008	0.146± 0.012	0.167± 0.014
10 ppm	24	21.7± 1.2	0.048± 0.015	0.016± 0.003	0.038± 0.007	0.146± 0.012	0.171± 0.012
20 ppm	23	21.5± 1.3	0.047± 0.011	0.018± 0.003	0.036± 0.009	0.140± 0.009	0.185± 0.012**
40 ppm	24	20.6± 1.2**	0.049± 0.016	0.017± 0.002	0.033± 0.008	0.140± 0.013	0.207± 0.015**

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

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	25	0.467± 0.263	0.105± 0.077	1.085± 0.088	0.493± 0.015
10 ppm	24	0.413± 0.031	0.091± 0.055	1.053± 0.066	0.497± 0.012
20 ppm	23	0.402± 0.027	0.086± 0.022	1.029± 0.100	0.493± 0.019
40 ppm	24	0.406± 0.031	0.074± 0.011**	0.999± 0.077**	0.479± 0.016**

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

TABLE K1

ORGAN WEIGHT, RELATIVE : MALE

STUDY NO. : 0905
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (27W)

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	TESTES	HEART	LUNGS
Control	23	28.1± 1.7	0.168± 0.041	0.063± 0.022	0.896± 0.148	0.662± 0.057	0.601± 0.044
10 ppm	25	28.4± 2.2	0.167± 0.047	0.055± 0.017	0.888± 0.165	0.659± 0.052	0.630± 0.048
20 ppm	25	27.4± 1.8	0.166± 0.030	0.062± 0.023	0.985± 0.251	0.678± 0.071	0.708± 0.105**
40 ppm	24	26.5± 1.8*	0.158± 0.043	0.064± 0.019	1.022± 0.100**	0.688± 0.068	0.791± 0.059**

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

STUDY NO. : 0905
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
REPORT TYPE : A1
SEX : MALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (27W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	23	2.146± 0.172	0.242± 0.046	4.540± 0.227	1.669± 0.111
10 ppm	25	2.141± 0.153	0.244± 0.037	4.503± 0.208	1.696± 0.133
20 ppm	25	2.222± 0.149	0.249± 0.059	4.518± 0.227	1.732± 0.099
40 ppm	24	2.258± 0.151*	0.240± 0.045	4.573± 0.211	1.811± 0.149**

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

TABLE K2

ORGAN WEIGHT, RELATIVE : FEMALE

STUDY NO. : 0905
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (27W)

Group Name	NO. of Animals	Body Weight (g)	THYMUS	ADRENALS	OVARIES	HEART	LUNGS
Control	25	22.5± 1.7	0.209± 0.071	0.077± 0.014	0.175± 0.039	0.650± 0.039	0.744± 0.072
10 ppm	24	21.7± 1.2	0.220± 0.061	0.076± 0.014	0.175± 0.028	0.675± 0.049	0.790± 0.054*
20 ppm	23	21.5± 1.3	0.220± 0.048	0.082± 0.013	0.168± 0.048	0.651± 0.040	0.861± 0.069**
40 ppm	24	20.6± 1.2**	0.236± 0.071	0.080± 0.011	0.161± 0.035	0.679± 0.040*	1.006± 0.060**

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

STUDY NO. : 0905
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
REPORT TYPE : A1
SEX : FEMALE
UNIT: %

ORGAN WEIGHT:RELATIVE (SUMMARY)
SURVIVAL ANIMALS (27W)

Group Name	NO. of Animals	KIDNEYS	SPLEEN	LIVER	BRAIN
Control	25	2.087± 1.201	0.455± 0.252	4.829± 0.255	2.204± 0.143
10 ppm	24	1.902± 0.132	0.416± 0.249	4.854± 0.258	2.294± 0.105*
20 ppm	23	1.868± 0.092	0.402± 0.098	4.776± 0.234	2.295± 0.121*
40 ppm	24	1.966± 0.094**	0.360± 0.042**	4.842± 0.226	2.329± 0.110**

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

TABLE L1

HISTOPATHOLOGICAL FINDINGS :

NEOPLASTIC LESIONS : MALE

Organ	Findings	Group Name	Control	10 ppm	20 ppm	40 ppm
		No. of animals on Study	25	25	25	25
{Integumentary system/appandage}						
skin/app			<25>	<25>	<25>	<25>
	squamous cell papilloma		1 (4%)	0 (0%)	0 (0%)	0 (0%)
subcutis			<25>	<25>	<25>	<25>
	hemangiosarcoma		1 (4%)	0 (0%)	0 (0%)	0 (0%)
{Respiratory system}						
lung			<25>	<25>	<25>	<25>
	bronchiolar-alveolar adenoma		3 (12%)	5 (20%)	3 (12%)	3 (12%)
	bronchiolar-alveolar carcinoma		0 (0%)	0 (0%)	1 (4%)	0 (0%)
{Hematopoietic system}						
bone marrow			<25>	<25>	<25>	<25>
	hemangioma		0 (0%)	0 (0%)	0 (0%)	1 (4%)
thymus			<25>	<25>	<25>	<25>
	hemangioma		0 (0%)	1 (4%)	0 (0%)	0 (0%)
spleen			<25>	<25>	<25>	<25>
	hemangioma		0 (0%)	0 (0%)	0 (0%)	1 (4%)
	hemangiosarcoma		0 (0%)	0 (0%)	0 (0%)	1 (4%)
{Urinary system}						
kidney			<25>	<25>	<25>	<25>
	hemangioma		0 (0%)	0 (0%)	0 (0%)	1 (4%)
{Reproductive system}						
testis			<25>	<25>	<25>	<25>
	hemangiosarcoma		0 (0%)	0 (0%)	1 (4%)	0 (0%)

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

TABLE L2

HISTOPATHOLOGICAL FINDINGS :

NEOPLASTIC LESIONS : FEMALE

Organ	Findings	Group Name / No. of animals on Study	Control 25	10 ppm 25	20 ppm 25	40 ppm 25
{Integumentary system/appandage}						
skin/app			<25>	<25>	<25>	<25>
	squamous cell papilloma		0 (0%)	0 (0%)	1 (4%)	1 (4%)
{Respiratory system}						
lung			<25>	<25>	<25>	<25>
	bronchiolar-alveolar adenoma		1 (4%)	2 (8%)	2 (8%)	1 (4%)
	bronchiolar-alveolar carcinoma		0 (0%)	0 (0%)	1 (4%)	0 (0%)
	hemangiosarcoma		0 (0%)	0 (0%)	0 (0%)	1 (4%)
{Hematopoietic system}						
thymus			<25>	<25>	<25>	<25>
	hemangioma		0 (0%)	0 (0%)	0 (0%)	1 (4%)
spleen			<25>	<25>	<25>	<25>
	hemangioma		1 (4%)	0 (0%)	0 (0%)	1 (4%)
	hemangiosarcoma		0 (0%)	2 (8%)	3 (12%)	0 (0%)
{Digestive system}						
salivary gl			<25>	<25>	<25>	<25>
	hemangiosarcoma		1 (4%)	0 (0%)	0 (0%)	0 (0%)
stomach			<25>	<25>	<25>	<25>
	squamous cell papilloma		0 (0%)	0 (0%)	1 (4%)	0 (0%)
	hemangiosarcoma		1 (4%)	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 25	10 ppm 25	20 ppm 25	40 ppm 25
{Urinary system}						
urethra			<25>	<25>	<25>	<25>
	transitional cell papilloma		0 (0%)	0 (0%)	1 (4%)	0 (0%)
{Special sense organs/appendage}						
Harder gl			<25>	<25>	<25>	<25>
	adenocarcinoma		0 (0%)	1 (4%)	0 (0%)	0 (0%)
{Body cavities}						
mediastinum			<25>	<25>	<25>	<25>
	hemangiosarcoma		0 (0%)	0 (0%)	1 (4%)	0 (0%)
retroperit			<25>	<25>	<25>	<25>
	hemangiosarcoma		0 (0%)	0 (0%)	0 (0%)	1 (4%)

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

TABLE M1

NEOPLASTIC LESIONS-INCIDENCE

AND STATISTICAL ANALYSIS : MALE

Group Name	Control	10 ppm	20 ppm	40 ppm
SITE : lung				
TUMOR : bronchiolar-alveolar adenoma				
Tumor rate				
Overall rates(a)	3/25(12.0)	5/25(20.0)	3/25(12.0)	3/25(12.0)
Adjusted rates(b)	13.04	20.00	12.00	12.50
Terminal rates(c)	3/23(13.0)	5/25(20.0)	3/25(12.0)	3/24(12.5)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.6225			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.7701			
Fisher Exact test(e)		P = 0.3510	P = 0.6664	P = 0.6664
SITE : lung				
TUMOR : bronchiolar-alveolar adenoma,bronchiolar-alveolar carcinoma				
Tumor rate				
Overall rates(a)	3/25(12.0)	5/25(20.0)	4/25(16.0)	3/25(12.0)
Adjusted rates(b)	13.04	20.00	16.00	12.50
Terminal rates(c)	3/23(13.0)	5/25(20.0)	4/25(16.0)	3/24(12.5)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.6021			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.8129			
Fisher Exact test(e)		P = 0.3510	P = 0.5000	P = 0.6664

Group Name	Control	10 ppm	20 ppm	40 ppm
SITE : spleen				
TUMOR : hemangioma,hemangiosarcoma				
Tumor rate				
Overall rates(a)	0/25(0.0)	0/25(0.0)	0/25(0.0)	2/25(8.0)
Adjusted rates(b)	0.00	0.00	0.00	4.17
Terminal rates(c)	0/23(0.0)	0/25(0.0)	0/25(0.0)	1/24(4.2)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.1082			
Prevalence method(d)	P = 0.1036			
Combined analysis(d)	P = 0.0187* ?			
Cochran-Armitage test(e)	P = 0.0298*			
Fisher Exact test(e)		P = N.C.	P = N.C.	P = 0.2449

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

TABLE M2

NEOPLASTIC LESIONS-INCIDENCE

AND STATISTICAL ANALYSIS : FEMALE

Group Name	Control	10 ppm	20 ppm	40 ppm
SITE : lung				
TUMOR : bronchiolar-alveolar adenoma				
Tumor rate				
Overall rates(a)	1/25(4.0)	2/25(8.0)	2/25(8.0)	1/25(4.0)
Adjusted rates(b)	4.00	8.33	8.70	4.17
Terminal rates(c)	1/25(4.0)	2/24(8.3)	2/23(8.7)	1/24(4.2)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.5285			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.8868			
Fisher Exact test(e)		P = 0.5000	P = 0.5000	P = 0.7551
SITE : lung				
TUMOR : bronchiolar-alveolar adenoma,bronchiolar-alveolar carcinoma				
Tumor rate				
Overall rates(a)	1/25(4.0)	2/25(8.0)	3/25(12.0)	1/25(4.0)
Adjusted rates(b)	4.00	8.33	13.04	4.17
Terminal rates(c)	1/25(4.0)	2/24(8.3)	3/23(13.0)	1/24(4.2)
Statistical analysis				
Peto test				
Standard method(d)	P = ------			
Prevalence method(d)	P = 0.4996			
Combined analysis(d)	P = ------			
Cochran-Armitage test(e)	P = 0.9472			
Fisher Exact test(e)		P = 0.5000	P = 0.3046	P = 0.7551
SITE : spleen				
TUMOR : hemangiosarcoma				
Tumor rate				
Overall rates(a)	0/25(0.0)	2/25(8.0)	3/25(12.0)	0/25(0.0)
Adjusted rates(b)	0.00	4.17	8.70	0.00
Terminal rates(c)	0/25(0.0)	1/24(4.2)	2/23(8.7)	0/24(0.0)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.5590			
Prevalence method(d)	P = 0.5069			
Combined analysis(d)	P = 0.5665			
Cochran-Armitage test(e)	P = 0.8160			
Fisher Exact test(e)		P = 0.2449	P = 0.1173	P = N.C.

Group Name	Control	10 ppm	20 ppm	40 ppm
SITE : spleen				
TUMOR : hemangioma,hemangiosarcoma				
Tumor rate				
Overall rates(a)	1/25(4.0)	2/25(8.0)	3/25(12.0)	1/25(4.0)
Adjusted rates(b)	4.00	4.17	8.70	4.17
Terminal rates(c)	1/25(4.0)	1/24(4.2)	2/23(8.7)	1/24(4.2)
Statistical analysis				
Peto test				
Standard method(d)	P = 0.5590			
Prevalence method(d)	P = 0.4447			
Combined analysis(d)	P = 0.5039			
Cochran-Armitage test(e)	P = 0.9472			
Fisher Exact test(e)		P = 0.5000	P = 0.3046	P = 0.7551

(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 N1

NUMBER OF ANIMALS WITH TUMORS AND

NUMBER OF TUMORS-TIME RELATED : MALE

STUDY NO. : 0905 NUMBER OF ANIMALS WITH TUMORS AND NUMBER OF TUMORS - TIME RELATED
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
REPORT TYPE : A1
SEX : MALE

Time-related Weeks	Items	Group Name	Control	10 ppm	20 ppm	40 ppm
1 - 26	NO. OF EXAMINED ANIMALS		2	0	0	1
	NO. OF ANIMALS WITH TUMORS		1	0	0	1
	NO. OF ANIMALS WITH SINGLE TUMORS		1	0	0	1
	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	1
	NO. OF TOTAL TUMORS		1	0	0	1
27 - 27	NO. OF EXAMINED ANIMALS		23	25	25	24
	NO. OF ANIMALS WITH TUMORS		4	5	5	6
	NO. OF ANIMALS WITH SINGLE TUMORS		4	4	5	6
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	1	0	0
	NO. OF BENIGN TUMORS		4	6	3	6
	NO. OF MALIGNANT TUMORS		0	0	2	0
	NO. OF TOTAL TUMORS		4	6	5	6
1 - 27	NO. OF EXAMINED ANIMALS		25	25	25	25
	NO. OF ANIMALS WITH TUMORS		5	5	5	7
	NO. OF ANIMALS WITH SINGLE TUMORS		5	4	5	7
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	1	0	0
	NO. OF BENIGN TUMORS		4	6	3	6
	NO. OF MALIGNANT TUMORS		1	0	2	1
	NO. OF TOTAL TUMORS		5	6	5	7

TABLE N2

NUMBER OF ANIMALS WITH TUMORS AND

NUMBER OF TUMORS-TIME RELATED : FEMALE

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

Time-related Weeks	Items	Group Name	Control	10 ppm	20 ppm	40 ppm
1 - 26	NO. OF EXAMINED ANIMALS		0	1	2	1
	NO. OF ANIMALS WITH TUMORS		0	1	2	1
	NO. OF ANIMALS WITH SINGLE TUMORS		0	1	2	1
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	0	0	0
	NO. OF BENIGN TUMORS		0	0	0	0
	NO. OF MALIGNANT TUMORS		0	1	2	1
	NO. OF TOTAL TUMORS		0	1	2	1
27 - 27	NO. OF EXAMINED ANIMALS		25	24	23	24
	NO. OF ANIMALS WITH TUMORS		4	3	6	4
	NO. OF ANIMALS WITH SINGLE TUMORS		4	2	4	3
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	1	2	1
	NO. OF BENIGN TUMORS		2	2	5	4
	NO. OF MALIGNANT TUMORS		2	2	3	1
	NO. OF TOTAL TUMORS		4	4	8	5
1 - 27	NO. OF EXAMINED ANIMALS		25	25	25	25
	NO. OF ANIMALS WITH TUMORS		4	4	8	5
	NO. OF ANIMALS WITH SINGLE TUMORS		4	3	6	4
	NO. OF ANIMALS WITH MULTIPLE TUMORS		0	1	2	1
	NO. OF BENIGN TUMORS		2	2	5	4
	NO. OF MALIGNANT TUMORS		2	3	5	2
	NO. OF TOTAL TUMORS		4	5	10	6

TABLE O

HISTOPATHOLOGICAL FINDINGS :

METASTASIS OF TUMOR : FEMALE

Organ	Findings	Group Name	Control	10 ppm	20 ppm	40 ppm
		No. of Animals on Study	25	25	25	25
{Respiratory system}						
lung			<25>	<25>	<25>	<25>
	metastasis:salivary gland tumor		1	0	0	0
	metastasis:mediastinum tumor		0	0	1	0

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

TABLE P1

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : MALE

Organ	Findings	Group Name	Control				10 ppm				20 ppm				40 ppm			
		No. of Animals on Study	25				25				25				25			
		Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Integumentary system/appandage}																		
subcutis			<25>				<25>				<25>				<25>			
	hemorrhage		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Respiratory system}																		
nasal cavit			<25>				<25>				<25>				<25>			
	eosinophilic change:olfactory epithelium		7	0	0	0	4	0	0	0	0	0	0	0 *	1	0	0	0
			(28)	(0)	(0)	(0)	(16)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)
	eosinophilic change:respiratory epithelium		9	0	0	0	4	0	0	0	7	1	0	0	3	22	0	0 **
			(36)	(0)	(0)	(0)	(16)	(0)	(0)	(0)	(28)	(4)	(0)	(0)	(12)	(88)	(0)	(0)
	respiratory metaplasia:olfactory epithelium		0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)
	respiratory metaplasia:gland		24	0	0	0	25	0	0	0	23	0	0	0	25	0	0	0
			(96)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(92)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	inflammation:transitional epithelium		0	0	0	0	0	0	0	0	0	0	0	0	12	8	0	0 **
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(48)	(32)	(0)	(0)
	atrophy:olfactory epithelium		0	0	0	0	0	0	0	0	0	0	0	0	6	19	0	0 **
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(24)	(76)	(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				10 ppm				20 ppm				40 ppm			
		No. of Animals on Study	25				25				25				25			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Respiratory system}																		
nasal cavit			<25>				<25>				<25>				<25>			
	proliferation:nasal gland		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	18 (72)	1 (4)	0 (0)	0 ** (0)
	exudate:olfactory region		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	6 (24)	0 (0)	0 (0)	0 * (0)	23 (92)	0 (0)	0 (0)	0 ** (0)
nasopharynx			<25>				<25>				<25>				<25>			
	eosinophilic change:respiratory epithelium		6 (24)	1 (4)	0 (0)	0 (0)	7 (28)	0 (0)	0 (0)	0 (0)	2 (8)	0 (0)	0 (0)	0 (0)	21 (84)	0 (0)	0 (0)	0 ** (0)
lung			<25>				<25>				<25>				<25>			
	inflammatory cell infiltration:focal		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	9 (36)	0 (0)	0 (0)	0 ** (0)	24 (96)	0 (0)	0 (0)	0 ** (0)
{Hematopoietic system}																		
bone marrow			<25>				<25>				<25>				<25>			
	atrophy:focal		0 (0)	0 (0)	0 (0)	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)
thymus			<25>				<25>				<25>				<25>			
	atrophy		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	Group Name	Control				10 ppm				20 ppm				40 ppm			
		No. of Animals on Study	25				25				25				25			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Hematopoietic system}																		
spleen			<25>				<25>				<25>				<25>			
	deposit of melanin		1 (4)	0 (0)	0 (0)	0 (0)	2 (8)	0 (0)	0 (0)	0 (0)	2 (8)	0 (0)	0 (0)	0 (0)	3 (12)	0 (0)	0 (0)	0 (0)
	extramedullary hematopoiesis		0 (0)	0 (0)	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (8)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Digestive system}																		
stomach			<25>				<25>				<25>				<25>			
	hyperplasia:forestomach		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	2 (8)	0 (0)	0 (0)	0 (0)	1 (4)	0 (0)	0 (0)	0 (0)
	hyperplasia:glandular stomach		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
liver			<25>				<25>				<25>				<25>			
	necrosis:focal		0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (4)	0 (0)	0 (0)	0 (0)
	fatty change		3 (12)	0 (0)	0 (0)	0 (0)	3 (12)	0 (0)	0 (0)	0 (0)	2 (8)	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				10 ppm				20 ppm				40 ppm			
		No. of Animals on Study	25				25				25				25			
		Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																		
liver			<25>				<25>				<25>				<25>			
	extramedullary hematopoiesis		0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	basophilic cell focus		1	1	0	0	1	1	0	0	2	0	0	0	1	1	0	0
			(4)	(4)	(0)	(0)	(4)	(4)	(0)	(0)	(8)	(0)	(0)	(0)	(4)	(4)	(0)	(0)
pancreas			<25>				<25>				<25>				<25>			
	cyst		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
	degeneration		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Urinary system}																		
kidney			<25>				<25>				<25>				<25>			
	hydronephrosis		1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
			(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Endocrine system}																		
pituitary			<25>				<25>				<25>				<25>			
	cyst		0	0	0	0	1	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)

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

Organ	Findings	Group Name / Grade	Control 1+ (%)	Control 2+ (%)	Control 3+ (%)	Control 4+ (%)	10 ppm 1+ (%)	10 ppm 2+ (%)	10 ppm 3+ (%)	10 ppm 4+ (%)	20 ppm 1+ (%)	20 ppm 2+ (%)	20 ppm 3+ (%)	20 ppm 4+ (%)	40 ppm 1+ (%)	40 ppm 2+ (%)	40 ppm 3+ (%)	40 ppm 4+ (%)
{Endocrine system}																		
parathyroid		No. of Animals on Study	25				25				25				25			
	cyst	<a>	1	0	0	0	0	0	0	0	1	0	0	0	3	1	0	0
		(c)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(12)	(4)	(0)	(0)
adrenal		No. of Animals on Study	25				25				25				25			
	spindle-cell hyperplasia	<a>	20	0	0	0	17	0	0	0	20	0	0	0	20	0	0	0
		(c)	(80)	(0)	(0)	(0)	(68)	(0)	(0)	(0)	(80)	(0)	(0)	(0)	(80)	(0)	(0)	(0)
{Reproductive system}																		
epididymis		No. of Animals on Study	25				25				25				25			
	spermatogenic granuloma	<a>	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
		(c)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Musculoskeletal system}																		
bone		No. of Animals on Study	25				25				25				25			
	osteosclerosis	<a>	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(c)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Body cavities}																		
pleura		No. of Animals on Study	25				25				25				25			
	fibrosis	<a>	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
		(c)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

TABLE P2

HISTOPATHOLOGICAL FINDINGS :

NON-NEOPLASTIC LESIONS : FEMALE

Organ	Findings	Group Name	Control				10 ppm				20 ppm				40 ppm			
		No. of Animals on Study	25				25				25				25			
		Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Integumentary system/appandage}																		
subcutis			<25>				<25>				<25>				<25>			
	edema		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)	(4)	(0)	(0)	(0)
{Respiratory system}																		
nasal cavit			<25>				<25>				<25>				<25>			
	eosinophilic change:olfactory epithelium		16	2	0	0	7	2	0	0 *	1	0	0	0 **	7	0	0	0 **
			(64)	(8)	(0)	(0)	(28)	(8)	(0)	(0)	(4)	(0)	(0)	(0)	(28)	(0)	(0)	(0)
	eosinophilic change:respiratory epithelium		16	3	0	0	8	3	0	0	16	2	0	0	1	24	0	0 **
			(64)	(12)	(0)	(0)	(32)	(12)	(0)	(0)	(64)	(8)	(0)	(0)	(4)	(96)	(0)	(0)
	respiratory metaplasia:gland		24	0	0	0	25	0	0	0	25	0	0	0	25	0	0	0
			(96)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
	inflammation:transitional epithelium		0	0	0	0	0	0	0	0	3	1	0	0	9	15	0	0 **
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(12)	(4)	(0)	(0)	(36)	(60)	(0)	(0)
	atrophy:olfactory epithelium		0	0	0	0	0	0	0	0	2	0	0	0	8	17	0	0 **
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(8)	(0)	(0)	(0)	(32)	(68)	(0)	(0)
	proliferation:nasal gland		0	0	0	0	0	0	0	0	1	0	0	0	21	1	0	0 **
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(84)	(4)	(0)	(0)

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

Organ	Findings	Group Name	Control				10 ppm				20 ppm				40 ppm			
		No. of Animals on Study	25				25				25				25			
		Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Respiratory system}																		
nasal cavit			<25>				<25>				<25>				<25>			
	exudate:olfactory region		0	0	0	0	0	0	0	0	7	0	0	0 *	25	0	0	0 **
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(28)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
nasopharynx			<25>				<25>				<25>				<25>			
	eosinophilic change:respiratory epithelium		14	0	0	0	12	0	0	0	2	0	0	0 **	23	0	0	0 **
			(56)	(0)	(0)	(0)	(48)	(0)	(0)	(0)	(8)	(0)	(0)	(0)	(92)	(0)	(0)	(0)
lung			<25>				<25>				<25>				<25>			
	hemorrhage		1	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
			(4)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)
	edema		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)	(4)	(0)	(0)
	inflammatory cell infiltration:focal		0	0	0	0	0	0	0	0	15	0	0	0 **	23	0	0	0 **
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(60)	(0)	(0)	(0)	(92)	(0)	(0)	(0)
	accumulation:macrophage		0	0	0	0	1	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)
{Hematopoietic system}																		
thymus			<25>				<25>				<25>				<25>			
	atrophy		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)	(4)	(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				10 ppm				20 ppm				40 ppm			
		No. of Animals on Study	25				25				25				25			
		Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Hematopoietic system}																		
thymus			<25>				<25>				<25>				<25>			
	cyst		1	0	0	0	2	0	0	0	1	0	0	0	0	0	0	0
			(4)	(0)	(0)	(0)	(8)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
spleen			<25>				<25>				<25>				<25>			
	deposit of melanin		0	0	0	0	1	0	0	0	2	0	0	0	3	0	0	0
			(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(8)	(0)	(0)	(0)	(12)	(0)	(0)	(0)
	extramedullary hematopoiesis		1	0	1	0	1	0	0	0	0	1	0	0	1	0	1	0
			(4)	(0)	(4)	(0)	(4)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(4)	(0)	(4)	(0)
{Digestive system}																		
salivary gl			<25>				<25>				<25>				<25>			
	atrophy:focal		0	0	0	0	1	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)
stomach			<25>				<25>				<25>				<25>			
	hyperplasia:forestomach		0	0	0	0	0	0	0	0	3	0	0	0	2	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(12)	(0)	(0)	(0)	(8)	(0)	(0)	(0)
	hyperplasia:glandular stomach		0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(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				10 ppm				20 ppm				40 ppm			
		No. of Animals on Study	25				25				25				25			
		Grade	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+	1+	2+	3+	4+
			(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)	(%)
{Digestive system}																		
liver			<25>				<25>				<25>				<25>			
	angiectasis		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Urinary system}																		
kidney			<25>				<25>				<25>				<25>			
	hydronephrosis		0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
			(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
{Endocrine system}																		
thyroid			<25>				<25>				<25>				<25>			
	cyst		0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)
	ectopic thymic tissue		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)	(4)	(0)	(0)	(0)
parathyroid			<25>				<25>				<25>				<25>			
	cyst		1	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
			(4)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

Organ	Findings	Group Name	Control				10 ppm				20 ppm				40 ppm			
		No. of Animals on Study	25				25				25				25			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Endocrine system}																		
parathyroid			<25>				<25>				<25>				<25>			
	ectopic thymic tissue		0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0
			(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(4)	(0)	(0)	(0)
adrenal			<25>				<25>				<25>				<25>			
	spindle-cell hyperplasia		25	0	0	0	25	0	0	0	25	0	0	0	25	0	0	0
			(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)	(100)	(0)	(0)	(0)
{Reproductive system}																		
ovary			<25>				<25>				<25>				<25>			
	cyst		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)
uterus			<25>				<25>				<25>				<25>			
	atrophy		2	0	0	0	2	0	0	0	1	0	0	0	2	0	0	0
			(8)	(0)	(0)	(0)	(8)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(8)	(0)	(0)	(0)
	embolus		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)	(4)	(0)	(0)	(0)
	decidual change		0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
			(0)	(0)	(0)	(0)	(0)	(0)	(0)	(0)	(4)	(0)	(0)	(0)	(0)	(0)	(0)	(0)

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

Organ	Findings	Group Name	Control				10 ppm				20 ppm				40 ppm			
		No. of Animals on Study	25				25				25				25			
		Grade	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)	1+ (%)	2+ (%)	3+ (%)	4+ (%)
{Reproductive system}																		
uterus			<25>				<25>				<25>				<25>			
	vascular anomality		0 (0)	0 (0)	0 (0)	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)
{Musculoskeletal system}																		
bone			<25>				<25>				<25>				<25>			
	necrosis:focal		1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	1 (4)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)	0 (0)
{Body cavities}																		
pleura			<25>				<25>				<25>				<25>			
	suppurative 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)	1 (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

TABLE Q1

CAUSE OF DEATH : MALE

STUDY NO. : 0905
ANIMAL : Jic:CB6F1-Tg rasH2@Jcl
SEX : MALE

COUSE OF DEATH (SUMMARY)
(0- 27W)

Group Name	Control	10 ppm	20 ppm	40 ppm
Number of Dead and Moribund Animal	2	0	0	1
no microscop confirm	1	0	0	0
tumor d:subcutis	1	0	0	0
tumor d:spleen	0	0	0	1

TABLE Q2

CAUSE OF DEATH : FEMALE

Group Name	Control	10 ppm	20 ppm	40 ppm
Number of Dead and Moribund Animal	0	1	2	1
tumor d:spleen	0	1	1	0
tumor d:mediastinum	0	0	1	0
tumor d:retroperit	0	0	0	1