

Table : 1 -continued Clinical signs

Sex: Male

Group No. Dose mg/kg/day	Finding Part	Day of Treatment	
		28-----> 29---->	1 A 2 1 2
	No. of animals	Observation time*	
06	No. of animals	7	7 7
DEHP 700	Normal	7	7 7
07	No. of animals	7	7 7
DEHP 2000	Normal	7	7 7
	Salivation	+	0 0
	Total	0	0 0

*: 1 Before administration, 2 After administration, A Additional observation

Group No. Dose	mg/kg/day	Day of treatment							Unit:g
		1	8	15	22	28	29		
01 control	0	N	7	7	7	7	7	7	7
		Mean	166	226	281	332	369	346	346
		S.D.	6	11	16	23	29	28	28
02 MEHP	70	N	7	7	7	7	7	7	7
		Mean	166	219	266	316	352	330	330
		S.D.	6	13	18	19	31	27	27
03 MEHP	200	N	7	7	7	7	7	7	7
		Mean	166	223	272	319	358	333	333
		S.D.	6	11	17	20	24	23	23
04 MEHP	700	N	7	7	7	7	6	5	5
		Mean	166	218	257	288*	318	316	316
		S.D.	6	11	20	50	62	29	29
05 DEHP	200	N	7	7	7	7	7	7	7
		Mean	165	227	290	350	397	369	369
		S.D.	6	12	23	34	43	40	40
06 DEHP	700	N	7	7	7	7	7	7	7
		Mean	166	228	291	346	385	359	359
		S.D.	6	12	17	23	26	22	22
07 DEHP	2000	N	7	7	7	7	7	7	7
		Mean	166	210*	258	300	336	306	306
		S.D.	5	10	15	19	21	19	19

Significantly different from the control group * P ≤ 0.05 (Dunnett)

Table : 3 Food consumption

Sex: Male

Group No. Dose mg/kg/day	Day of Treatment		Food consumption		Unit:g/day
	=> 8	=> 15	=> 22	=> 28	
01 control 0	N	7	7	7	7
	Mean S.D.	22 1	22 2	23 2	23 2
02 MEHP 70	N	7	7	7	7
	Mean S.D.	21 1	21 2	22 2	22 2
03 MEHP 200	N	7	7	7	7
	Mean S.D.	22 1	22 3	23 2	24 2
04 MEHP 700	N	7	7	7	6
	Mean S.D.	21 2	20 4	21 6	20 9
05 DEHP 200	N	7	7	7	7
	Mean S.D.	22 2	24 2	25 3	26 4
06 DEHP 700	N	7	7	7	7
	Mean S.D.	22 2	24 3	25 3	25 3
07 DEHP 2000	N	7	7	7	7
	Mean S.D.	20 2	21 2	24 2	26 2

Table 4. Hematology

Day: 29

Sex	Dose level (mg/kg/day)	No. of animals	HCT (%)	HGB (g/dL)	RBC ($\times 10^6/\text{mm}^3$)	MCV (μm^3)	MCH (pg)	MCHC (%)
Male	0	7	44.3 \pm 1.6	15.2 \pm 0.6	7.50 \pm 0.33	59.0 \pm 1.5	20.3 \pm 0.4	34.4 \pm 0.5
	MEHP 70	7	44.6 \pm 2.1	15.4 \pm 0.8	7.67 \pm 0.54	58.2 \pm 2.1	20.1 \pm 0.7	34.6 \pm 0.5
	MEHP 200	7	43.0 \pm 0.8	14.7 \pm 0.3	7.47 \pm 0.16	57.5 \pm 1.0	19.7 \pm 0.5	34.2 \pm 0.5
	MEHP 700	5	44.1 \pm 1.4	15.0 \pm 0.5	7.51 \pm 0.36	58.7 \pm 1.6	20.0 \pm 0.8	34.1 \pm 0.7
	DEHP 200	7	43.5 \pm 0.9	15.0 \pm 0.3	7.40 \pm 0.21	58.8 \pm 1.2	20.3 \pm 0.6	34.4 \pm 0.7
	DEHP 700	7	43.2 \pm 1.6	14.9 \pm 0.5	7.14 \pm 0.19	60.5 \pm 1.7	20.8 \pm 0.6	34.4 \pm 0.5
	DEHP 2,000	7	41.3 \pm 2.0**	14.2 \pm 0.7**	7.19 \pm 0.29	57.5 \pm 1.4	19.8 \pm 0.5	34.4 \pm 0.5

Mean \pm S.D.Significant difference from control group; * : $P \leq 0.05$ ** : $P \leq 0.01$

Table 4. -continued Hematology

Sex	Dose level (mg/kg/day)	No. of animals	Reticulocyte (%)	PLT ($\times 10^9/\text{mm}^3$)
Male	0	7	3.2 \pm 0.5	1184 \pm 113
	MEHP 70	7	3.1 \pm 0.9	1224 \pm 166
	MEHP 200	7	3.4 \pm 0.4	1282 \pm 115
	MEHP 700	5	2.7 \pm 0.5	1183 \pm 275
	DEHP 200	7	3.3 \pm 0.4	1272 \pm 99
	DEHP 700	7	3.4 \pm 0.3	1390 \pm 179
	DEHP 2,000	7	3.7 \pm 0.5	1319 \pm 130

Mean \pm S.D.Significant difference from control group; * : $P \leq 0.05$ ** : $P \leq 0.01$

Table 4. -continued Hematology

Exp. No. RD-07-007

Day: 29

Sex	Dose Level (mg/kg/day)	No. of animals	WBC ($\times 10^3/\text{mm}^3$)	Differential leukocyte counts (%)					
				NEUT	LYMPH	MONO	EOSN	BASO	LUC
Male	0	7	12.39 \pm 2.66	16.3 \pm 3.0	79.6 \pm 3.4	2.1 \pm 0.6	0.9 \pm 0.2	0.1 \pm 0.0N	1.0 \pm 0.4
	MEHP 70	7	10.85 \pm 2.60	19.0 \pm 3.0	76.5 \pm 3.5	2.7 \pm 0.5	0.9 \pm 0.5	0.1 \pm 0.1	0.8 \pm 0.4
	MEHP 200	7	12.94 \pm 2.31	16.0 \pm 5.8	79.9 \pm 5.7	2.3 \pm 0.6	0.8 \pm 0.4	0.2 \pm 0.1	0.9 \pm 0.2
	MEHP 700	5	11.11 \pm 4.88	17.8 \pm 3.9	78.2 \pm 4.0	2.1 \pm 0.7	0.6 \pm 0.3	0.1 \pm 0.0	1.1 \pm 0.4
	DEHP 200	7	13.45 \pm 4.85	17.0 \pm 3.9	78.7 \pm 4.2	2.4 \pm 0.6	0.8 \pm 0.4	0.1 \pm 0.1	0.9 \pm 0.3
	DEHP 700	7	12.70 \pm 2.42	17.7 \pm 2.3	77.5 \pm 2.0	3.0 \pm 0.8*	0.7 \pm 0.3	0.1 \pm 0.0	1.0 \pm 0.4
	DEHP 2,000	7	11.34 \pm 2.08	21.5 \pm 4.9	74.5 \pm 4.5	2.3 \pm 0.4	0.7 \pm 0.2	0.1 \pm 0.0	0.9 \pm 0.2

NEUT: Neutrophil LYMPH: Lymphocyte MONO: Monocyte EOSN: Eosinophil BASO: Basophil LUC: Large unstained cells

Mean \pm S.D.Significant difference from control group; *: $P \leq 0.05$ **: $P \leq 0.01$

N: Non parametric analysis

Table 4. -continued Hematology

Exp. No. RD-07-007

Day: 29

Sex	Dose level (mg/kg/day)	No. of animals	NEUT ($\times 10^3/\text{mm}^3$)	LYMPH ($\times 10^3/\text{mm}^3$)	MONO ($\times 10^3/\text{mm}^3$)	EOSN ($\times 10^3/\text{mm}^3$)	RASO ($\times 10^3/\text{mm}^3$)	LUC ($\times 10^3/\text{mm}^3$)
Male	0	7	2.00 \pm 0.48	9.88 \pm 2.23	0.26 \pm 0.09	0.11 \pm 0.04	0.02 \pm 0.01	0.12 \pm 0.06
	MEHP 70	7	2.10 \pm 0.67	8.26 \pm 1.92	0.29 \pm 0.09	0.10 \pm 0.05	0.02 \pm 0.01	0.08 \pm 0.04
	MEHP 200	7	1.98 \pm 0.41	10.42 \pm 2.39	0.30 \pm 0.09	0.11 \pm 0.05	0.02 \pm 0.01	0.11 \pm 0.03
	MEHP 700	5	1.95 \pm 0.89	8.74 \pm 3.94	0.22 \pm 0.05	0.06 \pm 0.02	0.01 \pm 0.01	0.13 \pm 0.08
	DEHP 200	7	2.25 \pm 0.88	10.65 \pm 4.08	0.31 \pm 0.12	0.09 \pm 0.03	0.02 \pm 0.02	0.13 \pm 0.07
	DEHP 700	7	2.23 \pm 0.44	9.84 \pm 1.94	0.39 \pm 0.13	0.08 \pm 0.05	0.01 \pm 0.01	0.13 \pm 0.06
	DEHP 2,000	7	2.45 \pm 0.74	8.43 \pm 1.55	0.27 \pm 0.06	0.07 \pm 0.02	0.01 \pm 0.01	0.11 \pm 0.03

NEUT: Neutrophil LYMPH: Lymphocyte MONO: Monocyte EOSN: Eosinophil RASO: Basophil LUC: Large unstained cells
 Mean \pm S.D.
 Significant difference from control group; *: $P \leq 0.05$ **: $P \leq 0.01$

Table 5. Coagulation

Day: 29

Sex	Dose level (mg/kg/day)	No. of animals	PT (sec.)	APTT (sec.)	Fibrinogen (mg/dL)
Male	0	7	16.8 ± 1.1	23.3 ± 1.9	300 ± 34
	MEHP 70	7	18.0 ± 1.2	25.8 ± 2.1	298 ± 20
	MEHP 200	7	18.3 ± 1.6	25.5 ± 2.3	272 ± 18
	MEHP 700	5	16.7 ± 1.3	23.4 ± 3.5	243 ± 31**
	DEHP 200	7	17.6 ± 2.6	25.9 ± 3.9	278 ± 31
	DEHP 700	7	17.1 ± 2.5	25.5 ± 3.1	257 ± 18*
	DEHP 2,000	7	17.0 ± 1.4	23.8 ± 3.1	236 ± 15**

Mean ± S.D.

Significant difference from control group;

*: P ≤ 0.05

** : P ≤ 0.01

Table 6. Blood chemistry

Day: 29

Sex	Dose level (mg/kg/day)	No. of animals	T.protein (g/dL)	Albumin (g/dL)	A/G	Glucose (mg/dL)
Male	0	7	5.97 ± 0.14	3.02 ± 0.07	1.03 ± 0.05	145 ± 17
	MEHP 70	7	5.84 ± 0.29	3.03 ± 0.09	1.08 ± 0.05	140 ± 20
	MEHP 200	7	5.97 ± 0.31	3.18 ± 0.19	1.14 ± 0.04*	140 ± 18
	MEHP 700	5	5.81 ± 0.29	3.24 ± 0.13	1.27 ± 0.07**	144 ± 11
	DEHP 200	7	5.85 ± 0.21	3.13 ± 0.17	1.15 ± 0.12**	167 ± 20
	DEHP 700	7	6.01 ± 0.37	3.29 ± 0.19**	1.21 ± 0.05**	168 ± 32
	DEHP 2,000	7	6.01 ± 0.26	3.41 ± 0.14**	1.31 ± 0.08**	156 ± 14

Mean ± S.D.

Significant difference from control group; * : P ≤ 0.05 ** : P ≤ 0.01

Table 6. -continued Blood chemistry

Day: 29

Sex	Dose level (mg/kg/day)	No. of animals	Triglyceride (mg/dL)	T.cholesterol (mg/dL)	BUN (mg/dL)	Creatinine (mg/dL)	T.bilirubin (mg/dL)
Male	0	7	70.5 ± 23.7	70 ± 10	11.4 ± 1.9N	0.26 ± 0.05N	0.04 ± 0.01
	MEHP 70	7	48.0 ± 10.2	61 ± 18	11.3 ± 0.8	0.24 ± 0.04	0.03 ± 0.01
	MEHP 200	7	46.6 ± 26.1	63 ± 11	12.4 ± 1.8	0.21 ± 0.02	0.03 ± 0.01*
	MEHP 700	5	49.5 ± 27.9	56 ± 11	12.9 ± 2.0	0.18 ± 0.04	0.01 ± 0.01**
	DEHP 200	7	61.7 ± 35.3	63 ± 17	15.2 ± 5.5	0.26 ± 0.11	0.03 ± 0.01
	DEHP 700	7	54.2 ± 37.6	68 ± 20	13.6 ± 2.1	0.22 ± 0.04	0.02 ± 0.01**
	DEHP 2,000	7	47.8 ± 21.8	62 ± 4	13.9 ± 3.6	0.21 ± 0.03	0.02 ± 0.01**

Mean ± S.D.

Significant difference from control group;

*: P ≤ 0.05

**: P ≤ 0.01

N: Non Parametric analysis

Table 6. -continued Blood chemistry

Day: 29

Sex	Dose level (mg/kg/day)	No. of animals	AST (U/L)	ALT (U/L)	ALP (U/L)	Gamma-GTP (U/L)
Male	0	7	80 ± 11N	27 ± 4N	705 ± 135	0.5 ± 0.1
	MEHP 70	7	77 ± 4	29 ± 4	709 ± 117	0.4 ± 0.1
	MEHP 200	7	76 ± 12	31 ± 5	725 ± 78	0.4 ± 0.1
	MEHP 700	5	93 ± 25	37 ± 12	812 ± 175	0.5 ± 0.2
	DEHP 200	7	71 ± 8	28 ± 3	661 ± 101	0.3 ± 0.1
	DEHP 700	7	78 ± 8	31 ± 4	930 ± 159*	0.5 ± 0.1
	DEHP 2,000	7	91 ± 12	43 ± 11*	935 ± 190*	0.5 ± 0.2

Mean ± S.D.

Significant difference from control group; *: P ≤ 0.05 **; P ≤ 0.01

N: Non parametric analysis

Table 6. -continued Blood chemistry

Exp. No. RD-07-007

Day: 29

Sex	Dose level (mg/kg/day)	No. of animals	Calcium (mg/dL)	I. phosphorus (mg/dL)	Sodium (mmol/L)	Potassium (mmol/L)	Chloride (mmol/L)
Male	0	7	10.03 ± 0.18	8.60 ± 0.72	143.3 ± 0.8	4.58 ± 0.38	106.3 ± 0.8
	MEHP 70	7	9.80 ± 0.19	8.26 ± 0.48	143.2 ± 0.6	4.59 ± 0.23	107.0 ± 1.7
	MEHP 200	7	9.93 ± 0.31	8.39 ± 0.60	142.6 ± 0.8	4.65 ± 0.37	106.0 ± 2.7
	MEHP 700	5	9.87 ± 0.20	8.28 ± 0.74	141.9 ± 1.1	4.97 ± 0.28	106.5 ± 2.0
	DEHP 200	7	9.94 ± 0.39	8.38 ± 0.45	142.3 ± 1.1	4.73 ± 0.38	105.3 ± 1.9
	DEHP 700	7	10.08 ± 0.16	8.50 ± 0.51	141.5 ± 1.1**	4.71 ± 0.38	104.1 ± 0.9
	DEHP 2,000	7	9.90 ± 0.28	8.61 ± 0.57	142.0 ± 1.1	4.81 ± 0.18	104.8 ± 1.4

Mean ± S.D.

Significant difference from control group; * : P ≤ 0.05 ** : P ≤ 0.01

Table 7. Organ weight

Day: 29

Sex	Dose level (mg/kg/day)	No. of animals	Body weight (g)	Lungs (g)	Liver (g)	Kidneys (g)	Spleen (g)
Male	0	7	346 ± 28	1.20 ± 0.14	11.06 ± 1.37	2.59 ± 0.33	0.70 ± 0.16
	MEHP 70	7	330 ± 27	1.18 ± 0.07	11.48 ± 1.45	2.58 ± 0.27	0.59 ± 0.09
	MEHP 200	7	333 ± 23	1.16 ± 0.17	13.82 ± 1.68	2.61 ± 0.20	0.64 ± 0.12
	MEHP 700	5	316 ± 29	1.15 ± 0.14	15.97 ± 3.00**	2.66 ± 0.20	0.59 ± 0.11
	DEHP 200	7	369 ± 40	1.30 ± 0.19	15.68 ± 2.91**	2.88 ± 0.32	0.81 ± 0.12
	DEHP 700	7	359 ± 22	1.21 ± 0.11	18.06 ± 2.11**	2.77 ± 0.26	0.73 ± 0.12
	DEHP 2,000	7	306 ± 19	1.17 ± 0.09	19.52 ± 2.40**	2.69 ± 0.28	0.68 ± 0.08

Mean ± S.D.

Significant difference from control group; *; P ≤ 0.05 **; P ≤ 0.01

Table 7. -continued Organ weight

Exp. No. RD-07-007

Day: 29

Sex	Dose level (mg/kg/day)	No. of animals	Adrenals (mg)	Testes (g)	Prostate (mg)	Seminal vesicle (g)	Epididymides (mg)
Male	0	7	52 ± 6	3.13 ± 0.23N	794 ± 277	0.70 ± 0.22	651 ± 53
	MEHP 70	7	48 ± 8	3.05 ± 0.14	852 ± 88	0.84 ± 0.11	687 ± 51
	MEHP 200	7	52 ± 12	3.10 ± 0.14	803 ± 108	0.77 ± 0.16	663 ± 52
	MEHP 700	5	48 ± 8	2.62 ± 0.66	631 ± 141	0.60 ± 0.26	614 ± 88
	DEHP 200	7	54 ± 9	3.09 ± 0.27	866 ± 146	0.77 ± 0.19	676 ± 83
	DEHP 700	7	46 ± 9	3.06 ± 0.19	865 ± 138	0.78 ± 0.11	672 ± 69
	DEHP 2,000	7	46 ± 6	1.06 ± 0.23**	633 ± 183	0.50 ± 0.20	430 ± 99**

Mean ± S.D.

Significant difference from control group; *: P ≤ 0.05 **; P ≤ 0.01

N: Non parametric analysis

Table 8. Organ weight per body weight

Day: 29

Sex	Dose level (mg/kg/day)	No. of animals	Body weight (g)	Lungs (%)	Liver (%)	Kidneys (%)	Spleen (%)
Male	0	7	346 ± 28	0.346 ± 0.034	3.190 ± 0.151N	0.748 ± 0.064	0.200 ± 0.031
	MEHP 70	7	330 ± 27	0.361 ± 0.026	3.471 ± 0.207	0.782 ± 0.038	0.179 ± 0.019
	MEHP 200	7	333 ± 23	0.348 ± 0.031	4.138 ± 0.282**	0.785 ± 0.059	0.192 ± 0.026
	MEHP 700	5	316 ± 29	0.363 ± 0.035	5.025 ± 0.511*	0.844 ± 0.023**	0.188 ± 0.031
	DEHP 200	7	369 ± 40	0.353 ± 0.025	4.222 ± 0.348**	0.781 ± 0.046	0.221 ± 0.026
	DEHP 700	7	359 ± 22	0.336 ± 0.019	5.026 ± 0.413**	0.771 ± 0.035	0.203 ± 0.035
	DEHP 2,000	7	306 ± 19	0.383 ± 0.026	6.384 ± 0.745**	0.877 ± 0.047**	0.221 ± 0.025

Mean ± S.D.

Significant difference from control group;

*: P ≤ 0.05 **; P ≤ 0.01

N: Non parametric analysis

Table 8. -continued Organ weight per body weight

Exp. No. RD-07-007

Day: 29

Sex	Dose level (mg/kg/day)	No. of animals	Adrenals (%)	Testes (%)	Prostate (%)	Seminal vesicle (%)	Epididymides (%)
Male	0	7	0.015 ± 0.001N	0.910 ± 0.095N	0.227 ± 0.067	0.200 ± 0.055	0.189 ± 0.019
	MEHP 70	7	0.015 ± 0.003	0.930 ± 0.102	0.259 ± 0.023	0.254 ± 0.022	0.210 ± 0.031
	MEHP 200	7	0.016 ± 0.003	0.934 ± 0.087	0.243 ± 0.045	0.235 ± 0.061	0.200 ± 0.028
	MEHP 700	5	0.015 ± 0.002	0.842 ± 0.246	0.199 ± 0.032	0.187 ± 0.071	0.195 ± 0.034
	DEHP 200	7	0.015 ± 0.001	0.841 ± 0.059	0.234 ± 0.024	0.208 ± 0.040	0.184 ± 0.017
	DEHP 700	7	0.013 ± 0.002	0.853 ± 0.053	0.241 ± 0.036	0.217 ± 0.033	0.188 ± 0.021
	DEHP 2,000	7	0.015 ± 0.001	0.345 ± 0.062**	0.206 ± 0.055	0.164 ± 0.060	0.140 ± 0.028**

Mean ± S.D.

Significant difference from control group; * : P ≤ 0.05 ** : P ≤ 0.01

N: Non parametric analysis

Table 9. Summary of gross findings with statistical analysis (29 Days experiment) Exp. No. RD-07-007

Dose level (mg/kg/day) No. of animals necropsied Organ	Male animals						
	Am 7	Em 7	Cm 7	Dm 7	Em 7	Fm 7	Gm 7
CARDIOVASCULAR SYSTEM							
heart	0	0	0	1	0	0	0
white patch							
HEMATOPOIETIC SYSTEM							
spleen	0	0	0	2	0	0	0
atrophic	0	0	0	0	0	1	0
nodule	0	0	0	2	0	0	0
pale	0	1	0	1	0	1	1
white patch	0	0	0	2	0	0	0
atrophic							
RESPIRATORY SYSTEM							
lung	1	0	1	1	1	0	0
brown patch	0	0	0	2	1	0	0
reddish							
DIGESTIVE SYSTEM							
stomach	0	0	0	2	0	0	0
dilated lumen	0	0	0	1	0	0	0
red patch							
small intestine	0	0	0	2	0	0	0
dilated lumen							
large intestine	0	0	0	2	0	0	0
dilated lumen	0	0	0	2	0	0	0
dark	0	0	0	2	0	1	6**
enlarged	0	0	1	3	2	5*	7**
white patch	0	0	1	4	0	3	4
URINARY SYSTEM							
kidney	1	1	1	1	0	1	0
cyst	0	0	0	2	0	0	0
dark	0	0	1	0	1	1	0
dilated pelvis	0	1	0	1	0	1	1
scarred							
REPRODUCTIVE SYSTEM							
testis	0	0	0	2	0	0	7**
small	0	0	0	2	0	0	7**
epididymis	0	0	0	1	0	0	2
prostate	0	0	0	1	0	0	0
seminal vesicle	0	0	0	3	0	0	3
small							

Am: 0 Em: MEHP 70 Cm: MEHP 200 Dm: MEHP 700 Em: DEHP 200

Fm: DEHP 700 Gm: DEHP 2000

Significant difference from control group; * : P ≤ 0.05 ** : P ≤ 0.01

Table 10. Summary of histological findings with statistical analysis
(29 Days experiment) Exp. No. RD-07-007

Dose level (mg/kg/day) No. of animals necropsied Organ	Male animals						
	Am 7	Em 7	Cm 7	Dm 7	Em 7	Fm 7	Gm 7
RESPIRATORY SYSTEM							
lung	(7)	(7)	(7)	(7)	(7)	(7)	(7)
edema	0	0	0	1	0	0	0
hemorrhage	1	0	0	3	0	0	0
accumulation of foamy cells	2	0	1	3	0	4	2
bronchopneumonia	0	0	0	1	0	1	0
cellular infiltration, mixed	0	1	0	0	0	0	0
osseous metaplasia	0	1	0	1	0	0	0
DIGESTIVE SYSTEM							
liver	(7)	(7)	(7)	(7)	(7)	(7)	(7)
eosinophilic change, hepatocyte [eosinophilic granular change]	0	0	7**	7**	5*	7**	7**
fatty change, hepatocyte	1	0	0	0	0	0	0
necrosis, hepatocyte, focal	0	0	0	4	1	3	3
accumulation of macrophage	0	0	0	0	0	0	1
microgranuloma	1	2	0	0	0	1	0
hypertrophy, hepatocyte	0	0	6**	7**	4	7**	7**
URINARY SYSTEM							
kidney	(7)	(7)	(7)	(7)	(7)	(7)	(7)
basophilic tubule	6	3	4	3	4	5	5
cyst	1	1	1	1	0	1	0
degeneration, tubule, cortex	0	0	0	1	0	0	1
dilatation, tubule	0	0	0	0	0	2	0
mineralization	4	6	6	6	6	6	6
cellular infiltration, lymphocyte	1	0	0	0	0	0	0
dilatation, renal pelvis	0	0	1	0	1	2	0
fibrosis, focal, interstitium	0	1	0	0	1	1	1
REPRODUCTIVE SYSTEM							
testis	(7)	(7)	(7)	(7)	(7)	(7)	(7)
Sertoli only syndrome	0	0	0	1	0	0	6**
atrophy, seminiferous tubule	0	0	0	4	0	1	7**
degeneration, germ cell	0	0	0	5*	0	2	0
vacuolation, Sertoli cell	0	0	0	4	0	2	7**
arthritis	0	0	0	0	0	0	1
Am: 0 Em: MEHP 70 Cm: MEHP 200 Dm: MEHP 700 Em: DEHP 200							
Fm: DEHP 700 Gm: DEHP 2000							
(): No. of animals examined microscopically at this site.							
Significant difference from control group; * : P ≤ 0.05 ** : P ≤ 0.01							

Table 10. -continued Summary of histological findings with statistical analysis
 (29 Days experiment) Exp. No. RD-07-007

Dose level (mg/kg/day) No. of animals necropsied Organ	Male animals					
	Am 7	Em 7	Cm 7	Dm 7	Fm 7	Gm 7
REPRODUCTIVE SYSTEM						
testis						
multinucleated giant cell	0	0	0	1	0	2
interstitial cell hyperplasia	(7)	(7)	(7)	(7)	(7)	(7)
epididymis						
cell debris, lumen	0	0	0	4	1	2
no sperm	0	0	0	0	0	6**
decrease, sperm	0	0	0	2	5*	1
ENDOCRINE SYSTEM						
adrenal gland						
infarct	(7)	(7)	(7)	(7)	(7)	(7)
vacuolation, glomerulosa cell, diffuse	0	0	0	1	0	0
focal hypertrophy, cortex	0	0	2	4	3	6**

Am: 0 Em: MEHP 70 Cm: MEHP 700 Dm: MEHP 200 Em: DEHP 200
 Fm: DEHP 700 Gm: DEHP 2000
 (): No. of animals examined microscopically at this site.
 Significant difference from control group; * : P ≤ 0.05 ** : P ≤ 0.01