MR-787

Two Year Feeding Study with Lead Acetate

N 27023

BIOCHEMISTRY
MALE

	DOSE	1	2	3	6 MONTHS	9	12	15	18	21	24	
PLASMA ALKALINE PHOSPHATASE BESSEY UNITS		6.9	7.6	6.7	5.2	5.4	3.9	5.3	4.4	5.3	2.8	
		6.2	7.1	5.3	5.9	4.5	5.1	4.2	5.1	3.2	2.3	
		7.8	6.4	4.8	5.6	4.8	4.7	3.7	3.2	4.6	3.6	
		7.8	6.9	6.2	6.2	5.3	3.2	3.9	3.6	3.4	2.5	
		7.2	5.9	5.4	4.6	4.1	3.7	3.0	3.9	2.6	2.5	
		7.9	6.3	5.6	5.3	4.0	3.2	4.4	3.8	3.6	3.0	
PLASMA GLUTAMIC-PYRUVIC TRANSAMINASE UNITS		30	27	20	24	28	27	31	35	45	29	
		25	23	20	28	25	21	33	42	35	41	
		24	21	22	22	22	17	33	28	26	18	
LEAD IN URINE mg/100 ml 10' x0.1 = mg/L.		0.38	0.29	0.0	0.00	0	0.2	0.15	0.1	0.70	0.38	0.170
		0.26	0.17	0.6	0.10	0	0.15	0.05	0.1	0.30	0.29	0.202
		0.31	0.17	1.0	0.35	0.2	0.60	0.35	0.2	0.20	0.50	0.388
		1.19	0.59	1.0	1.20	0.8	0.85	0.60	0.6	0.68	0.92	0.343
		2.16	0.92	2.6	2.00	1.6	1.4	1.2	0.6	1.20	1.43	1.511
		5.93	2.50	4.4	7.90	7.0	6.05	5.7	2.5	3.00	2.10	4-70
LEAD IN FECES mg/gm		1.60	119	92	90.0	56	128	56	21.7	50.0		
		19.5	126	66	46.0	30	114	26	43.7	43.6		
		26.8	80	80	92.7	94	120.0	63	115.1	43.9		
		64.9	100	108	357.3	157	286.7	213	223.0	202.0		
		166.5	164	133	772.0	250	570.0	375	394.1	351.9		
		728.4	966	750	215.8	112.0	237.5	1600	1262.1	1545.8		
LEAD IN HAIR mg/gm			13.2	4.5	26.0	10.5	15.5	11.0	4.0	7.0		
			11.5	5.5	7.5	5.5	7.6	74.6	2.0	3.9		
			6.0	5.5	13.6	5.9	7.6	4.5	17.0	5.0		
		1.53	9.2	5.5	10.3	0.5	7.5	6.4	6.0	8.7		
		3.78	9.0	6.5	8.9	7.2	12.0	6.5	8.9	9.8		
		13.0	17.3	16.0	10.0	10.9	16.8	32.4	27.2	27.3		

MR-171
RAT
OSMOLALITY

DUP040006014

MALES

CONTROL I

	1	3	15
1	2080	2470	1502
2	2265	1820	2317
3	2215	1975	815
4	1810	2025	2463
5	1975	1440	2057
6	1865	1715	1281
1	2	6	48
1	PROBE	2210	2111
2	DEFECTIVE	1325	760
3		2405	620
4		1870	1015
5		2125	555
6		1940	780
		9	21
1		2115	2037
2		1500	–
3		2820	545
4		2040	590
5		2270	585
6		2690	520
		12	24
1		1150	835
2		1885	430
3		1905	690
4		1870	375
5		2850	395
6		2130	805
			1571.1
ΣX	12210	48545	24083
ΣX^2	25017800	102576525	35302287

CONTROL IA

	1	3	15
	2150	2560	2293
	2060	1220	1342
	1385	2470	1582
	1665	2215	2265
	1430	1725	1340
	1615	1205	1980
	2	6	18
	–	2445	1055
		1970	285
		2340	660
		2200	870
		1920	1192
		2635	1060
		9	21
		2400	1687
		1955	1491
		1410	1403
		1263	1643
		1775	1884
		1625	1308
		12	24
		1960	675
		2175	1224
		1465	435
		1215	825
		860	810
		2035	395
			1575.0
	10305	45043	29704
	18209675	90312969	43971980

IV 500 PPM

	1	3	15
	1715	2150	1319
	1740	2290	2027
	1435	1805	1585
	1390	2100	1790
	1310	1785	2640
	1385	2095	2317
	2	6	18
	–	2170	355
		1350	320
		1590	920
		1950	950
		1375	710
		2195	625
		9	21
		2405	830
		1820	1502
		2410	1563
		2525	1145
		2370	395
		2470	400
		12	24
		2095	460
		1960	1130
		1405	760
		2460	450
		900	405
		2385	325
			1517.7
	8975	48060	24923
	13594475	160432950	36328127

MR-771
RAT
OSMOLALITY

MALES

DUP040006015

10 ppm II

	1	3	15
1	1870	2075	2002
2	1595	2250	2139
3	2130	1965	2236
4	1650	1490	1455
5	1890	2275	1430
6	1535	2300	2236
	2	6	18
1	PROBE	2110	715
2	DEFECTIVE	2095	415
3		2255	1070
4		1070	345
5		1565	1105
6		1820	1085
		9	21
1		1970	2345
2		2138	380
3		1830	1085
4		1965	1465
5		2208	665
6		1820	2017
		12	24
1		1770	775
2		1840	1340
3		2030	1806
4		1965	1080
5		1540	460
6		1280	525
			1601.3
ΣX	10670	45626	30176
ΣX^2	19228650	89108108	47879142

50 ppm III

	1	3	15
	2065	1280	1287
	1855	2200	1475
	2105	1875	1197
	2630	1830	2158
	2205	2015	1480
	1670	2250	2335
	2	6	18
	-	2500	1460
		2365	1265
		2455	1265
		1775	600
		1980	520
		1920	1120
		9	21
		2025	1671
		2260	595
		1785	535
		1315	450
		2350	-
		1905	1596
		12	24
		1260	1682
		1820	470
		1075	1722
		1995	815
		1245	1837
		1530	850
			1611.7
ΣX	12530	44510	28385
ΣX^2	26704100	86760100	41740057

100 ppm IV

	1	3	15
	1780	2125	1959
	1895	2100	1590
	1915	2070	880
	2115	1500	2153
	2035	1740	1750
	2005	1445	1377
	2	6	18
	-	2145	2175
		2025	935
		1600	680
		2020	1045
		1105	350
		2635	1150
		9	21
		1858	1739
		985	550
		1785	580
		1765	1176
		2120	1853
		1670	1612
		12	24
		1730	830
		1430	480
		1495	1045
		875	590
		1555	855
		1445	925
			1504.5
ΣX	11745	41273	28279
ΣX^2	23061125	74634089	40362717

Lead analysis

Male Rats	urine	Feces
1 month	6	6
2 "	6	6
3 "	6	6
6 "	6	6
9 "	6	6
12 "	12	6
15 "	12	6
18 "	6	6
21 "	6	6
24 "	34	6
	100	60

Female Rats	urine	Feces
1 Month	6	6
2 "	6	6
3 "	6	6
6 "	6	6
9 "	6	6
12 "	12	6
15 "	12	6
18 "	6	6
21 "	6	6
24 "	31	6
	97	60
	197	120

DUP040006016

MR-787

MALE RATS

ERYTHROCYTE COUNT

DUP040006017

GROUP		1	2	3	6	9	12	15	18	21	24	
I control	N	6	6	6	6	6	6	6	6	6	6	60
	Σx	37.60	40.68	41.08	45.68	45.52	44.04	illegible	44.88	32.36	31.44	398.[illegible]
	$\bar{x}$	6.27	6.78	6.85	7.61	7.59	7.34	5.96	7.47	5.39	5.24	6.649
Ia control	N	6	6	6	6	6	6	6	6	6	6	60
	Σx	34.70	42.64	42.52	47.04	illegible	43.08	35.60	43.52	37.12	30.40	399.86
	$\bar{x}$	5.78	7.11	7.09	7.84	7.21	7.18	illegible	7.25	6.19	5.07	6.664
II 10ppm	N	6	6	6	6	6	6	6	6	6	6	60
	Σx	36.28	illegible	37.24	49.64	45.48	illegible	32.88	42.36	34.52	33.48	398.76
	$\bar{x}$	6.05	6.74	6.21	8.27	7.58	7.69	5.48	7.06	5.75	5.58	6.646
III 50ppm	N	6	6	6	6	6	6	6	6	6	6	60
	Σx	34.52	39.20	39.40	47.64	illegible	illegible	37.92	46.52	35.40	36.56	40.088
	$\bar{x}$	5.75	illegible	6.57	7.94	7.23	6.73	6.32	illegible	5.90	6.09	6.68
IV 100ppm	N	6	6	6	6	6	6	6	6	6	6	60
	Σx	36.[illegible]	35.14	38.24	48.52	42.48	39.52	illegible	46.40	illegible	30.40	395.74
	$\bar{x}$	illegible	illegible	6.37	8.09	illegible	6.59	6.67	7.73	6.47	5.07	6.596
V 600ppm	N	6	6	6	6	6	6	6	6	6	6	60
	Σx	40.44	4096	41.92	47.08	45.28	illegible	44.48	40.76	illegible	illegible	411.92
	$\bar{x}$	6.74	6.83	6.99	7.85	7.55	illegible	7.41	6.79	5.92	5.04	6.865

6.656

MR-101
MALE RATS
HEMOGLOBIN

DUP040006018

GROUP		1	2	3	6	9	12	15	18	21	24		
I CONTROL	N	6	6	6	6	6	6	6	6	6	6	60	
	Σx	92.3	102.0	97.6	98.3	97.5	91.6	95.9	93.3	85.4	79.6	933.5	
	$\bar{X}$	15.4	17.0	16.3	16.4	16.3	15.3	16.0	15.6	14.2	13.3	15.558	15.537
Ia Control	N	6	6	6	6	6	6	6	6	6	6	60	
	Σx	90.0	100.7	100.5	97.1	93.0	91.5	99.5	89.7	71.8	77.2	931.0	
	$\bar{X}$	15.0	16.8	16.8	16.2	15.5	15.3	16.6	15.0	15.3	12.9	15.517	
II 10PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	Σx	90.9	95.5	98.5	99.1	93.9	93.5	92.4	90.0	80.9	84.0	920.7	
	$\bar{X}$	15.2	15.9	16.4	16.5	15.7	15.6	15.7	15.0	13.5	14.0	15.345	
III 50PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	Σx	95.0	99.0	100.3	96.7	93.9	93.8	92.2	91.8	85.0	82.5	929.2	
	$\bar{X}$	15.8	16.5	16.7	16.1	15.7	15.6	15.4	15.3	14.2	14.6	15.487	
IV 100PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	Σx	90.0	96.9	97.3	98.9	96.6	92.4	95.5	91.8	91.6	78.8	929.8	
	$\bar{X}$	15.0	16.2	16.2	16.5	16.1	15.4	15.9	15.3	15.3	13.1	15.497	
V 500PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	Σx	89.4	98.0	98.9	94.5	98.4	94.9	95.7	80.3	78.7	70.1	892.9	
	$\bar{X}$	14.9	16.3	16.5	15.8	15.4	15.8	16.0	13.4	13.1	11.7	14.882	

MR 107
MALE RATS
HEMATOCRIT

DUP040006019

GROUP		1	2	3	6	9	12	15	18	21	24	
I CONTROL	N	6	6	6	6	6	6	6	6	6	6	60
	Σ X	251	289	271	283	278	261	284	259	239	231	2645
	$\bar{X}$	42	48	45	47	46	44	47	43	40	37	44.083
IA CONTROL	N	6	6	6	6	6	6	6	6	6	6	60
	Σ X	240	267	269	282	275	259	279	245	260	218	2592
	$\bar{X}$	40	45	45	47	46	43	47	41	43	36	43.200
II 10PPM	N	6	6	6	6	6	6	6	6	6	6	60
	Σ X	246	264	259	279	281	269	274	247	219	231	2569
	$\bar{X}$	41	44	43	47	47	45	46	41	37	39	42.817
III 60PPM	N	6	6	6	6	6	6	6	6	6	6	60
	Σ X	228	263	264	274	284	259	263	258	248	243	2584
	$\bar{X}$	38	44	44	46	47	43	44	43	41	41	43.067
IV 100PPM	N	6	6	6	6	6	6	6	6	6	6	60
	Σ X	234	255	251	278	288	256	263	259	267	215	2566
	$\bar{X}$	39	43	42	46	48	43	44	43	45	36	42.767
V 500PPM	N	6	6	6	6	6	6	6	6	6	6	60
	Σ X	230	268	256	271	280	265	283	228	228	227	2536
	$\bar{X}$	38	45	43	45	47	44	47	38	38	38	42.267

43.64

MR 78'1
MALE RATS
LEUKOCYTES

DUP040006020

GROUP		1	2	3	6	9	12	15	18	21	24		
I CONTROL	N	6	6	6	6	6	5	6	6	6	6	59	
	Σ X	989	933	962	736	797	689	751	792	1108	1284	9039	
	$\bar{X}$	16.5	15.6	16.0	12.3	13.3	13.8	12.5	13.2	18.5	21.4	15.320	14.746
IA CONTROL	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	738	909	841	833	661	727	882	941	1080	1045	8857	
	$\bar{X}$	12.3	15.2	14.0	13.9	11.0	12.1	14.7	15.7	18.0	17.4	14.428	
II 10 PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	836	807	727	836	880	866	673	874	965	1124	8588	
	$\bar{X}$	13.9	13.5	12.1	13.9	14.7	14.4	11.2	14.6	16.1	18.7	14.313	
III 50 PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	984	1017	743	758	799	975	960	922	1165	1201	9524	
	$\bar{X}$	16.4	17.0	12.4	12.6	13.3	16.3	16.0	15.4	19.4	20.0	15.873	
IV 100 PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	817	787	934	785	871	1022	614	1102	1462	1040	9434	
	$\bar{X}$	13.6	13.1	15.6	13.1	14.5	17.0	12.2	18.4	24.4	17.3	15.723	
V 600 PPM	N	6	6	6	6	6	6		6	6	6	60	
	Σ X	886	857	820	789	812	828	736	1352	996	845	8920	
	$\bar{X}$	14.8	14.3	13.7	13.2	13.5	13.8	12.3	22.5	16.6	14.1	14.867	

MR 787
MALE RATS
SEGMENTED NEUTROPHILS

DUP040006021

GROUP		1	2	3	6	9	12	15	18	21	24		
I CONTROL	N	6	6	6	6	[illegible]	5	6	6	6	6	59	
	ΣX	114	126	83	149	157	123	145	210	225	329	1663	
	$\bar{X}$	19.0	21.0	13.8	24.8	26.5	24.6	24.2	35.0	37.50	54.8	28.186	29.420
IA CONTROL	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	98	140	123	160	142	159	216	259	204	337	1838	
	$\bar{X}$	16.3	23.3	20.5	26.7	23.7	26.5	36.0	43.2	34.0	56.2	30.633	
II 10PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	105	144	145	131	159	174	171	247	243	267	1786	
	$\bar{X}$	17.5	24.0	24.2	21.8	26.5	29.0	28.5	41.2	40.5	44.5	29.767	
III 50PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	109	139	107	210	190	182	212	249	278	255	1931	
	$\bar{X}$	18.2	23.2	17.8	35	31.7	30.3	35.3	41.5	46.3	42.5	32.193	
IV 100PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	101	116	143	154	204	230	180	257	291	269	1935	
	$\bar{X}$	16.8	19.3	23.8	25.7	34.0	38.7	30.0	42.8	48.5	44.8	32.250	
V 500PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	96	134	116	205	219	194	212	331	300	266	2073	
	$\bar{X}$	16.0	22.3	19.3	34.2	36.5	32.3	35.3	55.2	50.0	44.3	34.550	

MR'101
MALE RATS
JUVENILE NEUTROPHILS

DUP04006022

GROUP		1	2	3	6	9	12	15	18	21	24		
I CONTROL	N	6	6	6	6	6	5	6	6	6	6	57	
	Σ X	1	1	2	3	8	9	8	11	4	15	62	
	X̄	0.2	0.2	0.3	0.5	1.3	1.8	1.3	1.8	0.	2.5	1.051	1.025
IA CONTROL	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	6	1	7	5	6	4	7	7	8	7	58	
	X̄	1.0	0.2	1.2	0.8	1.0	0.7	1.2	1.2	1.3	1.2	.967	
II 10 PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	6	1	3	4	12	21	7	12	10	17	93	
	X̄	1.0	0.2	0.5	0.7	2.0	3.5	1.2	2	1.7	2.7	1.550	
III 50 PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	1	0	4	4	6	22	7	16	10	15	85	
	X̄	0.2	0	0.7	0.7	1.0	3.7	1.2	2.7	1.7	2.5	1.417	
IV 100 PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	1	1	4	3	13	23	14	11	6	12	88	
	X̄	0.2	0.2	0.7	0.5	2.2	3.8	2.3	1.8	1.0	2.0	1.467	
V 500 PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	2	0	6	5	6	29	14	8	7	13	90	
	X̄	0.3	0	1.0	0.8	1.0	4.8	2.3	1.3	1.2	2.2	1.500	

MR 787
MALE RATS
MYELOCYTES

DUP040006023

GROUP		1	2	3	6	9	12	15	18	21	24		
I CONTROL	N	6	6	6	6	6	5	6	6	6	6	59	
	Σ X	0	0	0	0	1	0	0	1	1	4	7	
	$\bar{X}$	0	0	0	0	0.2	0	0	0.2	0.2	0.7	.186	0.100
IA CONTROL	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	0	0	0	0	2	1	0	0	0	2	5	
	$\bar{X}$	0	0	0	0	0.3	0.2	0	0	0	0.3	.083	
II 10PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	0	0	0	0	0	4	1	0	3	2	10	
	$\bar{X}$	0	0	0	0	0	0.7	0.2	0	0.5	0.3	.167	
III 50PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	0	0	0	1	0	2	0	1	1	4	9	
	$\bar{X}$	0	0	0	0.2	0	0.3	0	0.2	0.2	0.7	.150	
IV 100PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	0	0	0	0	0	1	0	1	2	2	6	
	$\bar{X}$	0	0	0	0	0	0.2	0	0.2	0.3	0.3	.100	
V 500PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	0	0	2	0	0	4	1	0	1	3	11	
	$\bar{X}$	0	0	0.3	0	0	0.7	0.2	0	0.2	0.5	.183	

MR 787

MALE RATS

LYMPHOCYTES

DUP040006024

GROUP		1	2	3	6	9	12	15	18	21	24	
I CONTROL	N	6	6	6	6	6	5	6	6	6	6	59
	ΣX	459	450	498	430	392	328	428	341	344	232	3902
	$\bar{X}$	76.5	75.0	83.0	71.7	65.3	65.6	71.3	56.8	57.3	38.7	66.136
IA CONTROL	N	6	6	6	6	6	6	6	6	6	6	60
	ΣX	468	422	422	400	418	401	345	304	356	224	3760
	$\bar{X}$	78.0	70.3	70.3	66.7	69.7	66.8	57.5	50.7	59.3	37.3	62.667
II 10 PPM	N	6	6	6	6	6	6	6	6	6	6	60
	ΣX	459	411	420	417	377	354	384	301	304	271	3698
	$\bar{X}$	76.5	68.5	70.0	69.5	62.8	59.0	64.0	50.2	50.7	45.2	61.633
III 50 PPM	N	6	6	6	6	6	6	6	6	6	6	60
	ΣX	454	424	450	329	351	347	344	285	275	286	3545
	$\bar{X}$	75.7	70.7	75.0	54.8	58.5	57.8	57.3	47.5	45.8	47.7	59.083
IV 100PPM	N	6	6	6	6	6	6	6	6	6	6	60
	ΣX	471	464	417	401	314	292	366	301	257	287	3570
	$\bar{X}$	78.5	77.3	69.5	66.8	52.3	48.7	61.0	50.2	42.8	47.8	59.500
V 500 PPM	N	6	6	6	6	6	6	6	6	6	6	60
	ΣX	463	441	440	354	322	317	331	233	244	284	3429
	$\bar{X}$	77.2	73.5	73.3	59.0	53.7	52.8	55.2	38.8	40.7	47.3	57.150

3902
3760
7662 / 119 = 64.38

MR 781
MALE RATS
EOSINOPHILS

DUP040006025

GROUP		1	2	3	6	9	12	15	18	21	24	
I CONTROL	N	6	6	6	6	6	5	6	6	6	6	59
	Σ X	14	8	7	10	23	21	16	19	10	12	140
	$\bar{X}$	2.3	1.3	1.2	1.7	3.8	4.2	2.7	3.2	1.7	2.0	2.373
IA CONTROL	N	6	6	6	6	6	6	6	6	6	6	60
	Σ X	8	13	13	19	24	19	22	19	17	18	172
	$\bar{X}$	1.3	2.2	2.2	3.2	4.0	3.2	3.7	3.2	2.8	3.0	2.867
II 10PPM	N	6	6	6	6	6	6	6	6	6	6	60
	Σ X	13	14	13	35	23	17	26	24	25	19	209
	$\bar{X}$	2.2	2.3	2.2	5.8	3.8	2.8	4.3	4.0	4.2	3.2	3.483
III 50PPM	N	6	6	6	6	6	6	6	6	6	6	60
	Σ X	9	17	19	28	26	13	20	27	17	16	192
	$\bar{X}$	1.5	2.8	3.2	4.7	4.3	2.2	3.3	4.5	2.8	2.7	3.200
IV 100PPM	N	6	6	6	6	6	6	6	6	6	6	60
	Σ X	10	8	17	21	46	34	21	19	26	11	213
	$\bar{X}$	1.7	1.3	2.8	3.5	7.7	5.7	3.5	3.2	4.3	1.8	3.550
V 500PPM	N	6	6	6	6	6	6	6	6	6	6	60
	Σ X	8	12	7	18	36	30	23	14	30	19	197
	$\bar{X}$	1.3	2.0	1.2	3.0	6.0	5.0	3.8	2.3	5.0	3.2	3.283

2.621

MR 787
MALE [redacted] RATS
MONOCYTES

DUP040006026

GROUP		1	2	3	6	9	12	15	18	21	24		
I CONTROL	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	8	13	10	6	13	10	3	10	9	4	97	
	X̄	1.3	2.2	1.7	1.0	2.2	1.7	0.5	1.7	1.5	0.7	1.475	1.789
IA CONTROL	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	16	21	30	11	8	9	5	6	11	7	124	
	X̄	2.7	3.5	5.0	1.8	1.3	1.5	0.8	1.0	1.8	1.2	2.100	
II 10PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	16	23	14	8	21	16	6	9	10	20	149	
	X̄	2.7	3.8	2.3	1.3	3.5	2.7	1.0	1.5	1.7	3.3	2.483	
III 50PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	27	19	15	14	17	23	10	12	12	18	174	
	X̄	4.5	3.2	2.5	2.3	2.8	3.8	1.7	2.0	2.0	3.0	2.900	
IV 100PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	15	10	13	12	14	22	14	6	15	17	138	
	X̄	2.5	1.7	2.2	2.0	2.3	3.7	2.3	1.0	2.5	2.8	2.300	
V 500PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	24	11	23	12	7	22	12	7	15	5	138	
	X̄	4.0	1.8	3.8	2.0	1.2	3.7	2.0	1.2	2.5	0.8	2.300	

MR '181
MALE RATS
BASOPHILS

DUP040006027

GROUP		1	2	3	6	9	12	15	18	21	24	
I CONTROL	N	1	1	6	6	6	5	6	6	6	6	59
	Σ X	0	0	0	0	0	1	0	0	0	1	3
	X̄	0.0	0.0	0	0	0	0.2	0	0	0	0.2	.051
I A CONTROL	N	1	0	6	6	6	5	6	6	6	6	60
	Σ X	1	0	0	1	0	1	0	0	0	1	5
	X̄	0.0	0.0	0	0.2	0	0.2	0	0	0	0.2	.083
II 10 PPM	N	6	1	6	6	6	6	6	6	6	6	60
	Σ X	0	1	5	4	0	3	0	1	0	0	14
	X̄	0	0.0	0.8	0.7	0	0.5	0	0.2	0	0	.233
III 50 PPM	N	6	1	6	6	6	6	6	6	6	6	60
	Σ X	0	1	2	2	1	1	0	0	1	0	15
	X̄	0	0.0	0.3	0.3	0.2	0.2	0	0	0.2	0	.250
IV 100 PPM	N	6	6	6	6	6	6	6	6	6	6	60
	Σ X	0	2	2	4	1	1	0	0	1	0	10
	X̄	0	0.3	0.3	0.7	0.2	0.2	0	0	0.2	0	.167
V 500 PPM	N	6	6	6	6	6	6	6	6	6	6	60
	Σ X	1	2	3	2	4	1	2	2	1	2	22
	X̄	0.2	0.3	0.5	0.3	0.7	0.2	0.3	0.3	0.2	0.3	.367

0.067

MH 787
MALE RATS
ATYPICAL CELLS

DUP040006028

GROUP		1	2	3	6	9	12	15	18	21	24		
I CONTROL	N	6	6	6	6	6	5	6	6	6	6	59	
	ΣX	0	0	0	0	4	9	1	9	7	3	37	
	$\bar{X}$	0.0	0	0	0	0.7	1.8	0.2	1.5	1.1	0.5	.627	0.613
IA CONTROL	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	3	0	1	0	0	6	5	5	4	4	36	
	$\bar{X}$	0.5	0	0.2	0	0	1	0.8	0.8	0.7	0.7	.600	
II 10PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	1	0	0	1	8	11	5	6	5	5	42	
	$\bar{X}$	0.2	0	0	0.2	1.3	1.8	0.8	1.0	0.8	0.8	.700	
III 50PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	1	0	0	0	10	6	7	10	6	6	51	
	$\bar{X}$	0.2	0	0	0	1.7	1.0	1.2	1.7	1.0	1.0	.850	
IV 100PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	3	0	3	3	8	8	5	4	2	2	39	
	$\bar{X}$	0.5	0	0.5	0.5	1.3	1.3	0.8	0.7	0.3	0.3	.650	
V 500PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	0	0	4	4	6	4	5	5	1	5	34	
	$\bar{X}$	0	0	0.7	0.7	1.0	0.7	0.8	0.8	0.2	0.8	.567	

MR.787
MALE RATS
NUCLEATED RED BLOOD CELLS

DUP040006029

GROUP		1	2	3	6	9	12	15	18	21	24		
I CONTROL	N	6	6	6	6	6	5	6	6	6	6	59	
	ΣX	0	0	0	0	0	0	0	0	1	4	5	
	$\bar{X}$	0	0	0	0	0	0	0	0	0.2	0.7	.085	0.067
IA CONTROL	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	0	0	0	2	0	1	0	0	0	0	3	
	$\bar{X}$	0	0	0	0.3	0	0.2	0	0	0	0	.050	
II 30 PPM	N		6	6	6	6	6	6	6	6	6	60	
	ΣX		0	0	1	0	0	0	0	0	1	2	
	$\bar{X}$		0	0	0.2	0	0	0	0	0	0.2	.033	
III 60PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	1	0	0	1	0	2	2	0	0	3	9	
	$\bar{X}$	0.2	0	0	0.2	0	0.3	0.3	0	0	0.5	.150	
IV 100PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	2	0	0	1	0	0	0	0	3	1	7	
	$\bar{X}$	0.3	0	0	0.2	0	0	0	0	0.5	0.2	.117	
V 500PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	0	0	2	2	0	1	0	0	0	10	15	
	$\bar{X}$	0	0	0.3	0.3	0	0.2	0	0	0	1.7	.250	

MR 787
MALE RATS
BASOPHILIC STIPPLED CELL

DUP040006030

GROUP		1	2	3	6	9	12	15	18	21	24		
I CONTROL	N	6	6	6	6	6	5	6	6	6	6	59	
	ΣX	0	0	0	0	0	0	1	0	0	2	3	
	$\bar{X}$	0	0	0	0	0	0	0.2	0	0	0.3	.051	0.058
IA CONTROL	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	1	3	0	0	[illegible]	0	0	0	0	0	4	
	$\bar{X}$	.2	.5	0	0	[illegible]	0	0	0	0	0	.067	
II 10PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	3	1	0	2	3	0	1	0	0	0	10	
	$\bar{X}$	.5	0.2	0	0.3	0.5	0	0.2	0	0	0	.167	
III 50PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	2	0	1	0	0	4	3	4	0	0	14	
	$\bar{X}$	.3	0	0.2	0	0	0.7	0.5	0.7	0	0	.233	
IV 100PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	2	1	9	1	4	8	3	2	2	1	34	
	$\bar{X}$	.3	0.2	1.5	0.2	0.7	1.3	0.5	0.3	0.3	0.3	.567	
V 500PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	18	10	17	4	8	9	7	8	7	10	98	
	$\bar{X}$	3.0	1.7	2.8	0.7	1.3	1.5	1.2	1.3	1.2	1.7	1.634	
		36	36	36	36	36	35	36	36	36	36		
		26	15	27	7	15	21	15	14	9	14		
		0.72	0.41	0.75	0.19	0.41	0.60	0.41	0.39	0.25	0.39		

MR 787
MALE RATS
DELTA AMINOLEVULINIC ACID
mgm / 100 ml.

DUP040006031

GROUP		1	2	3	6	9	12	15	18	21	24		
I CONTROL	N	6	6	6	5	6	6	6	6	6	6	59	
	Σ X	.49	.59	.32	.33	.47	.55	.84	.57	.40	.49	5.05	
	$\bar{X}$	.08	.10	.05	.07	.08	.09	.14	.10	.07	.08	.0856	0.0815
IA CONTROL	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	.42	.50	.46	.42	.39	.71	.73	.51	.50	.44 .73 .07	508	
	$\bar{X}$	.07	.08	.08	.07	.07	.12	.12	.09	.08		.0847	
II 10PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	.37	.60	.36	.33	.64	.71	.65	.50	.51	.52	519	
	$\bar{X}$	.06	.10	.06	.06	.11	.12	.11	.08	.09	.09	.0865	
III 50PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	Σ X	.54	.66	.37	.47	.47	.68	.84	.56	.34	.42	535	
	$\bar{X}$	.09	.11	.06	.08	.08	.11	.14	.09	.06	.07	.0892	
IV 100PPM	N	6	6	5	6	6	6	6	6	6	6	59	
	Σ X	.50	.67	.47	.46	.40	.63	.89	.51	.44	.51	5.48	
	$\bar{X}$	.08	.11	.09	.08	.07	.11	.15	.09	.07	.09	.0929	
V 500PPM	N	6	6	6	6	6	6	6	6	5	6	59	
	Σ X	1.33	1.31	1.51	1.14	1.03	1.09	1.50	.91	.53	.76	11.11	
	$\bar{X}$	.22	.22	.25	.19	.17	.18	.25	.15	.11	.13	.1883	
		36	36	35	35	36	36	36	36	35	36		
		3.65	4.33	3.49	3.15	3.08	4.37	5.45	3.56	2.72	3.14		
		0.101	0.120	0.100	0.090	0.086	0.121	0.151	0.099	0.078	0.087		

MR 781
MALE RATS
ALKALINE PHOSPHATASE

DUP040006032

GROUP		1	2	3	6	9	12	15	18	21	24	
I CONTROL	N	6	6	6	6	6	6	6	6	6	6	60
	Σ X	41.6	45.7	40.3	31.4	32.1	23.6	31.5	26.1	31.6	16.9	329.8
	$\bar{X}$	6.9	7.6	6.7	5.2	5.4	3.9	5.3	4.4	5.3	2.8	5.347
IA CONTROL	N	6	6	6	6	6	6	6	6	6	6	60
	Σ X	37.1	42.8	31.5	35.2	27.2	30.5	24.9	30.7	19.2	13.5	292.6
	$\bar{X}$	6.2	7.1	5.3	5.9	4.5	5.1	4.2	5.1	3.2	2.3	4.877
II 10 PPM	N	6	6	6	6	6	6	6	6	6	6	60
	Σ X	46.5	38.2	28.6	33.4	28.6	28.4	22.1	19.1	27.5	21.3	293.7
	$\bar{X}$	7.8	6.4	4.8	5.6	4.8	4.7	3.7	3.2	4.6	3.6	4.895
III 50 PPM	N	6	6	6	6	6	6	6	6	6	6	60
	Σ X	46.8	41.5	37.4	37.4	31.7	19.4	23.3	21.4	20.2	15.2	294.3
	$\bar{X}$	7.8	6.9	6.2	6.2	5.3	3.9	3.9	3.6	3.4	2.5	4.905
IV 100 PPM	N	6	6	6	6	6	6	6	6	6	6	60
	Σ X	43.3	35.5	32.5	27.7	24.3	22.0	18.2	23.6	15.4	15.2	267.7
	$\bar{X}$	7.2	5.9	5.4	4.6	4.1	3.7	3.0	3.9	2.6	2.5	4.462
V 500 PPM	N	6	6	6	5	6	6	6	5	6	6	59
	Σ X	47.4	38.3	33.6	26.3	24.1	19.0	26.5	19.0	21.8	17.9	273.9
	$\bar{X}$	7.9	6.4	5.6	5.3	4.0	3.8	4.4	3.8	3.6	3.0	4.642

5.111

MK 787
MALE RATS
GPT

GROUP		1	2	3	6	9	12	15	18	21	24		
I CONTROL	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	178	160	122	142	165	160	185	210	268	175	1765	
	$\bar{X}$	30	27	20	24	28	27	31	35	45	29	29.417	29.35
IA CONTROL	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	150	[illegible]	[illegible]	165	147	127	[illegible]	254	[illegible]	[illegible]	1758	
	$\bar{X}$	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	21	[illegible]	42	[illegible]	41	29.300	
II 10PPM	N												
	ΣX												
	$\bar{X}$												
III 50PPM	N												
	ΣX												
	$\bar{X}$												
IV 100PPM	N												
	ΣX												
	$\bar{X}$												
V 500PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	[illegible]	128	134	[illegible]	132	[illegible]	[illegible]	[illegible]	[illegible]	108	1401	
	$\bar{X}$	24	21	22	[illegible]	22	17	33	28	26	18	23.350	

DUP040006033

MR 787
MALE RATS
URINE VOLUME

DUP040006034

GROUP		1	2	3	6	9	12	15	18	21	24		
I CONTROL	N	6	6	6	6	6	6	6	6	5	6	59	
	ΣX	91	92	128	91	101	99	128	124	201	322	1377	
	X̄	15	15	21	15	17	17	21	21	40	54	23.334	22.52
IA CONTROL	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	115	98	112	86	124	135	109	146	120	258	1303	
	X̄	19	16	19	14	21	23	18	24	20	43	21.717	
II 10PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	112	123	97	114	102	114	114	121	205	212	1314	
	X̄	19	21	16	19	17	19	19	20	34	35	21.900	
III 50PPM	N	6	6	6	6	6	6	6	6	5	6	59	
	ΣX	89	96	118	95	120	129	149	110	163	135	1204	
	X̄	15	16	20	16	20	22	25	18	33	23	20.407	
IV 100PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	99	119	124	99	125	151	140	139	145	174	1315	
	X̄	17	20	21	17	21	25	23	23	24	29	21.917	
V 500PPM	N	6	6	6	6	6	6	6	6	6	6	60	
	ΣX	112	96	98	116	89	122	106	128	195	277	1339	
	X̄	19	16	16	19	15	20	18	21	33	46	22.317	

MR 787
MALE RATS
PROTEIN

DUP040006035

GROUP		1	2	3	6	9	12	15	18	21	24	
I CONTROL	N	6	6	6	6	6	6	6	6	5	6	59
	ΣX	134	49	44	38	464	957	682	413	[illegible]	819	4044
	$\bar{X}$	22	8	7	6	77	[illegible]	114	69	249	137	8 2.102
IA CONTROL	N	6	6	6	6	6	6	6	6	6	6	60
	ΣX	94	77	51	245	381	1326	640	291	1217	1304	5626
	$\bar{X}$	16	13	9	41	64	[illegible]	107	49	203	217	93.767
II 10PPM	N	6	6	6	6	6	6	6	6	6	6	60
	ΣX	97	58	41	86	241	890	593	291	567	665	3519
	$\bar{X}$	16	10	7	14	40	147	99	49	95	111	58.650
III 60PPM	N	6	6	6	6	[illegible]	6	6	6	5	6	59
	ΣX	160	63	56	113	[illegible]	706	1295	325	808	290	3981
	$\bar{X}$	27	11	9	19	[illegible]	118	[illegible]	54	162	48	67.475
IV 100PPM	N	6	6	6	6	[illegible]	6	6	6	6	6	60
	ΣX	134	44	66	59	41	733	428	239	781	731	3256
	$\bar{X}$	22	7	11	[illegible]	7	122	71	40	130	122	54.267
V 500 PPM	N	6	6	6	6	[illegible]	6	6	6	5	6	60
	ΣX	85	54	37	771	[illegible]	420	[illegible]	192	1257	977	4634
	$\bar{X}$	14	9	6	129	[illegible]	70	[illegible]	32	210	163	77.233

81.26

MK 181
MALE RATS
UGOT

GROUP		1	2	3	6	9	12	15	18	21	24		
	N	6	6	6	6	6	6	5		6	5	52	
I	ΣX	123	83	155	151	166	225	147		293	206	1547	
CONTROL	$\bar{X}$	21	14	26	25	28	38	29		49	41	29.788	27.40
	N	6	6	6	6	6	6	6		5	6	53	
IA	ΣX	142	112	149	134	137	[illegible]	[illegible]		[illegible]	198	1329	
CONTROL	$\bar{X}$	24	19	25	22	23	[illegible]	30		32	33	25.075	
	N	6	6	6	6	6	6	6		6	6	54	
II	ΣX	128	123	147	107	137	102	214		187	250	1402	
10PPM	$\bar{X}$	21	21	25	18	23	18	36		32	42	25.963	
	N	6	6	6	6	6	6	6		5	5	52	
III	ΣX	156	140	157	185	134	102	250		186	237	1547	
50PPM	$\bar{X}$	26	23	26	31	22	[illegible]	[illegible]		34	47	29.750	
	N	6	6	6	6	6	6	6		6	6	54	
IV	ΣX	132	118	103	112	121	140	111		229	248	1312	
100PPM	$\bar{X}$	22	[illegible]	17	19	20	23	19		38	41	24.296	
	N	6	6	6	6	6	6	6		6	6	53	
V	ΣX	111	96	131	[illegible]	181	137	[illegible]		[illegible]	[illegible]	1321	
500PPM	$\bar{X}$	19	16	22	23	30	22	[illegible]		34	24	24.925	

DUP040006036

MR-787

Two Year Feeding Study with Lead Acetate

URINALYSIS
FEMALE

	DOSE	1	2	3	6	9	12	15	18	21	24
					MONTHS						
URINE VOLUME ml/24 hours		14	13	13	15	15	19	25	16	27	30
		13	12	11	11	18	22	19	14	34	24
		17	15	12	13	13	20	22	9	20	24
		14	13	13	16	19	20	19	13	27	33
		16	15	15	16	22	21	29	15	29	26
		13	15	10	14	19	21	21	15	20	33
URINE OSMOLALITY ml Os/L		1674		1919	1600	1583	1685	1451	750	924	853
		1764		2168	1956	1409	1299	1609	798	1035	1214
		1533		2126	1504	1748	1408	1332	898	1410	1190
		1594		1895	1621	1539	1360	1560	863	981	650
		1672		1714	1765	1299	1528	1107	842	1036	1055
		1828		2005	1983	1445	1461	1498	747	1289	957
URINE PROTEIN mg/24 hours		7	3	1	1.6	2.3	6.6	19	35	94	105
		4	2	1	14.6	14	20.6	21	6	27	25
		2	2	1	1.5	3.3	11.2	139	24	46	17
		2	1	3	3	12	3	4	74	66	81
		5	1	1	2	54	178.8	108	25	74	31
		4	2	1	2	15	4.3	7	16	28	84
URINE δ-AMINOLEVULINIC ACID mg%/24 hours		0.10	0.05	0.06	0.04	0.05	0.05	0.02	0.03	0.06	0.04
		0.11	0.08	0.06	0.06	0.07	0.04	0.08	0.03	0.06	0.04
		0.09	0.07	0.08	0.05	0.06	0.04	0.08	0.02	0.05	0.06
		0.09	0.07	0.06	0.06	0.06	0.04	0.05	0.03	0.04	0.07
		0.09	0.07	0.09	0.04	0.07	0.05	0.05	0.04	0.07	0.08
		0.28	0.13	0.16	0.07	0.13	0.11	0.08	0.07	0.14	0.17
URINE GLUTAMIC OXALACETIC TRANSAMINASE units/ml		21	17	20	16	16	–	17	–	32	
		23	16	22	18	24	–	21	–	33	
		18	17	17	14	19	–	24	–	43	
		21	17	19	22	20	–	19	–	32	
		17	16	18	4	27	–	20	–	32	
		25	21	23	14	22	–	24	–	28	

DUP040006037

Two Year Feeding Study with Lead Acetate

females

HEMATOLOGY
FEMALE

	DOSE	1	2	3	6	9	12	15	18	21	24
					MONTHS						
ERYTHROCYTES millims	0	6.46	7.09	6.75	6.92	6.45	7.06	5.80	6.05	6.07	5.21
	0	6.69	7.33	7.01	7.07	6.82	7.24	5.69	6.05	4.75	4.96
	10	7.14	6.47	6.84	6.88	6.68	6.22	5.39	5.86	5.25	5.50
	50	6.94	6.35	7.11	7.11	6.70	7.37	6.25	6.37	5.61	5.67
	100	7.04	6.27	6.73	7.19	6.51	6.85	5.49	6.04	5.98	4.18
	500	7.34	6.99	6.59	7.11	6.27	7.18	5.55	5.98	5.73	4.96
HEMOGLOBIN grams/100 ml		14.8	16.1	15.5	15.6	15.2	15.9	14.7	16.0	15.6	14.1
		15.0	16.1	15.7	15.8	15.1	15.5	15.2	15.5	12.4	13.7
		15.9	15.3	16.0	15.9	15.0	15.5	15.3	15.7	13.6	13.8
		15.7	16.0	16.1	16.5	14.7	16.4	15.6	15.6	14.5	14.5
		14.2	15.9	15.5	16.4	14.7	15.4	15.1	15.9	15.2	11.6
		16.4	16.2	15.7	15.7	14.8	15.7	15.6	15.4	14.5	12.1
HEMATOCRIT PERCENT		38	46	43	44	44	45	43	45	43	40
		39	43	41	44	44	42	42	43	34	39
		40	41	41	45	45	44	41	44	37	39
		39	40	41	46	44	45	42	43	38	40
		38	41	41	45	44	43	42	45	41	34
		39	43	41	46	43	43	44	44	41	35
LEUCOCYTES Thousands		12.2	13.0	10.6	9.5	9.7	8.6	9.3	8.1		12.1
		13.3	14.4	11.0	9.5	9.4	8.6	9.3	8.1		13.5
		13.6	13.1	12.8	10.8	8.6	10.6	11.8	8.4		15.3
		14.6	13.3	12.1	13.4	9.7	9.8	10.0	9.6		17.7
		17.7	15.1	10.9	8.4	10.7	12.4	10.0	9.6	10.6	15.0
		14.6	13.2	12.1	10.6	10.4	9.5	8.2	9.6	11.2	15.4
SEGMENTED NEUTROPHIL PERCENT		17.7	15.3	11.0	16.3	28.0	21.2	32.2	31.2	39.5	
		17.0	15.7	20.0	22.5	29.0	19.5	35.5	38.3	49.3	
		12.2	30.7	18.7	19.7	22.5	33.7	35.8	35.3	38	
		13.5	21.0	20.8	25.5	30.7	26.5	26.2	52.0	44.8	
		13.3	22.2	22.2	26.2	25.2	25.8	32.5	48.7	41.3	
		13.7	15.3	25.7	32.0	37.0	24.5	30.2	37.2	33.5	

DUP040006038

Two Year Feeding Study with Lead Acetate

HEMATOLOGY
FEMALE

DUP040006039

	Dose	1	2	3	6	9	12	15	18	21	24
					Months						
Juvinile Neutrophil Percent		0.5	0.3	0.2	0.2	2.7	2.2	1.8	1.3	1.3	
		0.0	0.0	0.2	1.3	1.8	2.7	1.8	0.5	1.0	
		0.0	0.0	0.0	1.8	1	3.2	1.2	1.5	0.5	
		0.0	0.0	0.2	1.7	1.7	4.2	1.2	1.8	2.0	
		0.5	0.0	0.0	1.8	0.7	4.0	1	2.2	2.0	
		0.0	0.2	0.3	1.7	1.7	1.3	1.8	2.8	2.8	
Myelocyte Percent		0.0	0.0	0.0	0	0.2	0.2	0.2	0	0	
		0.0	0.0	0.0	0	0	0.2	0	0	0	
		0.0	0.0	0.3	0	0	0.3	0	0	15.5	
		0.0	0.0	0.2	0.2	0	0	0	0	0.2	
		0.0	0.0	0.3	0.3	0	0.2	0	0	0	
		0.0	0.2	0.0	0	0	0	0.2	0	0.5	
Lymphocyte Percent		77.2	78.3	85.8	77.7	61.7	71.2	59.0	61.3	52.6	
		77.5	78.5	74.0	69.7	62.3	71.5	54.2	56.5	44.8	
		84.0	64.5	73.2	73.2	72.0	59.0	55.0	56.3	41.6	
		81.3	74.8	72.5	64.0	62.5	20.5	64.6	40.2	46.8	
		83.2	73.8	72.0	63.8	69.7	61.5	59.5	43.3	49.5	
		84.2	79.3	69.8	57.8	55.3	65.7	60.2	48.7	55.8	
Eosinophil Percent		1.3	3.7	1.3	3.8	4.5	2.8	4.0	2.3	3.8	
		2.0	3.5	3.8	4	3.7	3.5	3.7	3.3	2.8	
		1.0	1.7	3.8	2.2	2.8	2.5	3.8	3.0	2.6	
		1.8	1.3	2.7	4.3	3.2	2.8	3.8	3.5	3.2	
		0.5	1.7	2.0	2.2	3.5	3.7	3.2	3.2	4.0	
		0.7	2.0	1.2	3	1.8	2.5	4.7	5.7	2.8	
Monocyte Percent		2.5	1.8	1.7	1.5	2.7	1.6	2.2	3.3	2.1	
		2.5	2.2	1.8	1.8	1.5	2.2	3.3	0.7	1.2	
		2.5	3.2	3.2	1.8	1.2	1.2	3.0	2.5	1.5	
		2.7	3.0	2.7	3	0.7	5.0	2.6	2.3	2.2	
		2.5	2.3	3.0	3.7	0.83	3.8	2.8	2.0	2.5	
		1.3	2.5	3.0	3.5	2.0	4.2	2.3	3.7	3.2	

Two Year Feeding Study with Lead Acetate

BIOCHEMISTRY
FEMALE

DUP040006040

	DOSE	1	2	3	6 MONTHS	9	12	15	18	21	24	
PLASMA ALKALINE PHOSPHATE BESSEY UNITS		7.3	5.4	5.4	4.5	3.1	3.6	3.5	3.5	2.5	3.7	
		8.6	6.6	4.8	3.5	3.3	4.5	4.1	2.6	3.1	2.9	
		6.7	4.4	5.5	4.9	3.6	4.0	4.2	3.6	3.5	4.3	
		7.9	3.5	4.6	3.3	3.0	2.6	3.6	3.9	3.1	3.8	
		8.4	6.9	5.0	3.4	2.4	2.8	2.5	2.9	2.2	2.2	
		6.7	4.5	4.2	6.5	2.5	3.2	3.1	2.2	2.4	2.4	
PLASMA GLUTAMIC PYRUVIC TRANSAMINASE UNITS		29	20	14	17	26	21	19	30	24	27	
		25	23	17	20	21	18	20	43	29	25	
		22	21	27	16	34	19	26	48	29	21	
LEAD IN URINE mg/100 ml		0.27	0.29	0	0.05	0	0.15	0.15	0.3	0.20	0.18	0.174
		0.23	0.23	0.4	0.10	0	0.25	0.05	0.1	0.15	0.20	0.171
		0.38	0.39	1.0	0.45	0.1	0.5	0.05	0.2	0.45	0.33	
		0.30	0.62	1.3	0.70	0.4	0.58	0.38	1.7	0.83	0.72	0.753
		1.77	0.94	2.6	2.20	0.5	1.6	0.9	1.7	0.95	1.40	1.456
		5.20	4.05	4.6	4.40	1.7	6.7	3.0	5.8	4.6	3.10	4.315
LEAD IN FECES mg/gm		3.05	120	84	90	90	80	72	39.4	59.9		
		10.4	128	60	33.5	34	86	42	49.4	36.5		
		26.4	101	75	110.7	44	110.7	113	108.2	46.7		
		123.2	175	90	301.3	117	273.3	237	268.0	188.9		
		162.3	241	108	513.8	163	440.0	350	625.0	384.6		
		740.9	950	213	204.0	1140	145.0	2625	2524.3	1439.0		
LEAD IN HAIR mg/gm			7.7	7.0	11.1	16.0	7.5	11.9	9.4	18.4		
			13.6	3.5	33.0	3.4	3.8	9.4	3.5	1.5		
			7.2	4.5	6.6	3.4	5.4	2.0	3.5	10.0		
		0.90	5.0	5.5	6.5	3.5	4.6	0.9	7.4	6.2		
		2.23	7.0	5.8	4.8	5.5	5.0	3.0	8.4	15.9		
		12.8	14.0	9.5	10.3	10.9	15.0	12.9	20.8	15.7		

Two Year Feeding Study with Lead Acetate

HEMATOLOGY

MALE

males

DUP040006041

	DOSE	1	2	3	6 MONTHS	9	12	15	18	21	24
ERYTHROCYTES millions		6.26	6.78	6.85	7.61	7.59	7.34	5.95	7.47	5.39	5.24
		5.78	7.11	7.09	7.84	7.21	7.18	5.93	7.25	6.19	5.07
		6.05	6.79	6.21	8.27	7.58	7.69	5.48	7.06	5.75	5.58
		5.75	6.53	6.57	7.94	7.23	6.73	6.32	7.75	5.90	6.09
		6.03	5.86	6.37	8.09	7.08	6.59	6.67	7.73	6.47	5.01
		6.74	6.83	6.99	7.85	7.55	7.51	7.41	6.79	5.92	5.07
HEMOGLOBIN grams/100ml	0	15.4	17.0	16.3	16.4	16.3	15.3	16.0	15.6	14.2	13.3
	0	15.0	16.8	16.8	16.2	15.5	15.3	16.6	15.0	15.3	12.9
	1.0	15.2	15.9	16.4	16.5	15.7	15.6	15.7	15.0	13.5	14.0
	50	15.0	16.5	16.7	16.1	15.7	15.5	15.4	15.3	14.2	14.6
	100	15.0	16.2	16.2	16.5	16.1	15.4	15.9	15.3	15.3	13.1
	500	14.9	16.3	16.5	15.8	15.4	15.8	16.0	13.4	13.1	11.7
HEMATOCRIT PERCENT		42	48	45	47	46	44	47	43	40	39
		40	45	45	47	46	43	49	41	43	36
		41	44	43	47	47	45	46	41	37	39
		38	44	44	46	47	43	44	43	41	41
		39	43	42	46	48	44	44	42	45	36
		38	45	43	45	47	44	47	38	38	38
LEUKOCYTES THOUSANDS		16.5	15.6	16.0	12.3	13.3	13.8	12.5	13.2	18.5	21.4
		12.3	15.2	14.0	13.9	11.1	12.1	14.7	15.7	18.0	17.4
		13.9	13.5	12.1	13.9	14.7	14.4	11.2	14.6	16.1	18.7
		16.4	17.0	12.4	12.6	13.3	16.3	16.0	15.4	19.4	20.0
		13.6	13.1	15.6	13.1	14.5	17.0	10.2	18.4	24.4	17.3
		14.8	14.3	13.7	13.2	13.5	13.8	12.3	22.5	16.6	14.1
SEGMENTED NEUTROPHIL PERCENT		19.0	21.0	13.8	24.8	26.5	24.6	24.1	35.0	37.5	54.8
		16.3	23.3	20.5	26.7	23.7	26.5	36.0	43.2	34.0	56.2
		17.5	24.0	24.2	21.8	26.5	29.0	28.5	41.2	40.5	44.5
		18.2	23.2	17.8	35	31.7	30.3	35.3	41.5	40.5	42.5
		16.8	19.3	23.8	25.7	34	36.7	30.0	42.8	48.5	
		16.0	22.3	19.3	34.2	36.5	32.3	35.3	55.2	50.0	

1
1.7
2.
2.7

Two Year Feeding Study with Lead Acetate

DUP040006042

HEMATOLOGY
MALE

	DOSE	1	2	3	6 MONTHS	9	12	15	18	21	24
JUVINILE NEUTROPHIL PERCENT		0.7	0.2	0.3	0.5	1.3	2.0	1.3	1.8	0.7	2.5
		1.0	0.2	1.2	0.8	1.0	0.7	1.2	1.2	1.3	1.2
		1.0	0.2	0.5	0.7	2.0	3.5	1.2	2.0	1.7	2.7
		0.7	0.0	0.7	0.7	1.0	3.7	1.2	2.7	1.7	2.5
		0.2	0.2	0.7	0.5	2.2	3.8	2.3	1.8	1.0	
		0.3	0.0	1.0	0.8	1.0	4.8	2.3	1.3	1.2	
MYELOCYTE PERCENT		0.0	0.0	0.0	0	0.2	0	0	0.2	0.2	0.7
		0.0	0.0	0.0	0	0.3	0.2	0	0	0	0.3
		0.0	0.0	0.0	0	0	0.7	0.2	0	0.5	0.3
		0.0	0.0	0.0	0.2	0	0.3	0	0.2	0.2	0.7
		0.0	0.0	0.0	0	0	0.2	0	0.2	0.3	
		0.0	0.0	0.3	0	0	0.7	0.2	0	0.2	
LYMPHOCYTE PERCENT		76.5	75.0	83.0	71.7	65.3	65.6	71.3	56.8	57.3	38.6
		78.0	70.3	70.3	66.7	69.7	66.8	57.5	50.7	59.3	37.3
		76.5	68.5	70.0	69.5	62.8	59.0	64.0	50.2	50.7	45.2
		75.7	70.7	75.0	54.8	58.5	57.8	57.3	47.5	45.8	47.7
		78.5	77.3	69.5	66.8	52.3	48.7	61.0	50.2	42.8	
		77.2	73.5	73.3	59	53.7	52.8	55.2	38.8	40.7	
EOSINOPHIL PERCENT		2.3	1.3	1.2	1.7	3.8	4.2	2.7	3.2	1.7	2.0
		1.3	2.2	2.2	3.2	4.0	3.2	3.7	3.2	2.8	3.0
		2.2	2.3	2.2	5.8	3.8	2.8	4.3	4.0	4.2	3.2
		1.5	2.8	3.2	4.7	4.3	2.2	3.3	4.5	2.8	2.7
		1.7	1.3	2.8	3.5	7.7	5.7	3.5	3.2	4.3	
		1.3	2.0	1.2	3	6.0	5	3.8	2.3	5.0	
MONOCYTE PERCENT		1.3	2.5	1.7	1	2.2	2.0	0.3	1.7	1.5	0.7
		2.7	3.8	5.0	1.8	1.3	1.5	0.8	1.0	1.8	1.2
		2.7	4.8	2.3	1.3	3.5	2.7	1	1.5	1.7	3.3
		4.5	3.2	2.5	2.8	2.8	4.5	1.7	2.0	2.0	3.0
		2.5	1.7	2.2	2	2.3	3.7	2.3	1.0	2.5	
		4.0	1.8	3.8	2	1.2	3.7	2	1.2	2.5	

MR-787

Two Year Feeding Study with Lead Acetate

HEMATOLOGY
MALE

DUP040006043

	Dose	1	2	3	6	9	12	15	18	21	24
					MONTHS						
BASOPHIL PERCENT		0.3	0.0	0.0	0	0	0	0	0	0	0.2
		0.2	0.2	0.0	0.2	0	0.2	0	0	0	0.2
		0.0	0.2	0.8	0.7	0	0.5	0	0.2	0	0
		0.0	0.2	0.3	1.5	0.2	0.2	0	0	0.2	0
		0.0	0.3	0.3	0.7	0.2	0	0	0	0.2	
		0.2	0.3	0.5	0.3	0.7	0	0.3	0.3	0.2	
ATYPICAL CELL PERCENT		0.3	0.0	0.0	0.3	0.7	1.8	0.2	1.5	1.1	0.5
		0.5	0.0	0.8	0.7	0	1.0	0.8	0.8	0.7	0.7
		0.2	0.0	0.0	0.2	1.3	1.8	0.8	1.0	0.8	0.8
		0.2	0.0	0.5	0.3	1.7	1	1.2	1.7	1.0	1.0
		0.3	0.0	0.5	0.8	1.3	1.3	0.8	0.7	0.3	
		0.0	0.0	0.7	0.7	1.0	0.7	0.8	0.8	0.3	
NUCLEATED RBC PER 100WBC		0.0	0.0	0.0	0	0	0	0	0	0.2	0.7
		0.0	0.0	0.0	0.3	0	0.2	0	0	0	0
		0.0	0.0	0.0	0.2	0	0	0	0	0	0.2
		0.2	0.0	0.0	0.2	0	0.3	0.3	0	0	0.5
		0.3	0.0	0.0	0.2	0	0	0	0	0.5	
		0.0	0.0	0.3	0.3	0	0.2	0	0	0	
STIPPLED RBC		0	0	0	0	0	0	0.2	0	0	0.3
		0.1	0.5	0	0	0	0	0	0	0	0
		0.5	0.2	-	0.3	0.5	0	0.2	0	0	0
		0.3	0	0.2	0	4	0.7	0.5	0.7	0	0
		0.3	0.2	1.5	0.2	0.7	1.3	0.5	0.3	0.3	
		3.0	1.5	3.6	0.7	1.3	1.5	1.2	1.3	1.2	

Two Year Feeding Study with Lead Acetate

DUP040006044

URINALYSIS
MALE

	DOSE	1	2	3	6	9	12	15	18	21	24
					MONTHS						
URINE VOLUME ml/24 hours		15	15	21	15	17	15	21	21	40	54
		19	16	19	14	21	23	18	24	20	43
		19	20	16	19	17	19	19	20	34	35
		15	16	20	16	20	22	25	18	33	23
		17	20	21	17	21	25	23	23	24	29
		19	16	16	19	15	20	18	21	33	46
URINE OSMOLALITY m Os/L		2035	-	1908	1979	2239	1965	1739	974	855	588
		1718	-	1899	2252	1738	1618	1834	854	1569	727
		1778	-	2059	1819	1989	1738	1916	789	1326	998
		2088	-	1908	2166	1857	1488	1655	1038	969	1229
		1958	-	1830	1922	1697	1422	1605	1056	1252	788
		1488	-	2038	1772	2333	1868	1946	647	973	588
URINE PROTEIN mg/24 hours		22	8	7	6	77	160	114	69	249	137
		16	13	9	41	64	221	107	49	203	217
		16	10	7	14	39	147	99	49	95	111
		27	11	9	19	28	118	216	54	162	48
		22	7	11	10	7	122	71	40	130	122
		14	9	6	112	44	70	97	32	210	163
URINE δ-AMINOLEVULINIC Acid mg/24 hours		0.08	0.10	0.05	0.07	0.08	0.09	0.14	0.10	0.07	0.08
		0.07	0.08	0.08	0.07	0.07	0.12	0.12	0.09	0.08	0.07
		0.06	0.10	0.06	0.06	0.11	0.12	0.11	0.08	0.09	0.09
		0.08	0.11	0.06	0.08	0.08	0.11	0.14	0.09	0.06	0.07
		0.08	0.12	0.09	0.08	0.07	0.11	0.15	0.09	0.07	0.09
		0.22	0.22	0.25	0.19	0.17	0.18	0.25	0.15	0.11	0.13
URINE GLUTAMIC-OXALACETIC TRANSAMINASE UNITS/ml		21	14	26	25	28	38	29	-	49	41
		24	19	25	22	23	20	30	-	32	33
		21	21	25	18	23	18	36	-	32	42
		26	23	26	31	22	17	42	-	37	47
		22	20	17	18	20	23	19	-	38	41
		19	16	22	23	30	22	34	-	34	24

MR-787
RATS

CALCULATED LEAD EXCRETION

DUP040006045

MALES

MONTHS ON TEST	GROUP	ppm in Diet	DATE URINALYSIS	FOOD gm/day	LEAD IN FEED ug/gm	INTAKE LEAD ug/day	URINE ml/day	LEAD IN URINE mg/10ml	OUTPUT LEAD	% EXCRETED
12	I	0	4-13-66	25.8	10.75	279	15	0.2	0.30	0.11
	Ia	0		26.2	(10.8)	283	23	0.15	0.35	0.12
	II	10		26.0	17	442	19	0.60	1.14	0.26
	III	50		26.0	48	1248	22	0.85	1.87	0.15
	IV	100		26.4	134	3538	25	1.4	3.50	0.10
	V	500		26.0	544	14144	20	6.05	12.10	0.09
15	I	0	7-13-66	23.6	1.0	24	21	0.15	0.32	1.33
	Ia	0		24.2	–	24	18	0.05	0.09	0.37
	II	10		23.5	14.0	329	19	0.35	0.67	0.20
	III	50		24.3	54.0	1312	25	0.60	1.50	0.11
	IV	100		24.2	174	4211	23	1.2	2.76	0.07
	V	500		23.5	606.3	14241	18	5.7	10.26	0.07
18	I	0	10-19-66	27.2	3.0	82	21	0.1	0.21	0.26
	Ia	0		27.3	–	82	24	0.1	0.24	0.29
	II	10		27.0	20.8	561	20	0.2	0.40	0.07
	III	50		29.5	72.2	2130	18	0.6	1.08	0.05
	IV	100		28.5	178.3	5073	23	0.6	1.38	0.03
	V	500		25.8	527.0	13597	21	2.5	5.25	0.03
21	I	0	1-19-67	24.4	3.7	90	40	0.20	0.80	0.89
	Ia	0		22.8	–	84	20	0.30	0.60	0.71
	II	10		23.8	19.5	464	34	0.20	0.68	0.15
	III	50		21.8	90.3	1969	33	0.68	2.24	0.11
	IV	100		23.3	117.6	2749	24	1.20	2.88	0.10
	V	500		22.6	808.3	18261	33	3.00	9.90	0.05
24	I	0	4-5-67	24.4	4.0	98	54	0.38	2.05	2.09
	Ia	0		21.9	–	88	43	0.29	1.25	1.42
	II	10		22.9	9.5	218	35	0.50	1.75	0.80
	III	50		22.4	35.7	800	23	0.92	2.12	0.27
	IV	100		21.8	122.0	2660	29	1.43	4.15	0.17
	V	500	Sac. 4/4 3/28	20.3	474.3	9622	46	2.1	9.66	0.10
			Feed Period 4/1							

MR-787

RATS

DUP040006046

MALES

MONTHS ON TEST	GROUP	PPM IN DIET	DATE URINALYSIS	FOOD gm/day	LEAD IN FEED µg/gm	INTAKE LEAD µg/day	URINE ml/day	LEAD IN URINE µg/10ml	OUTPUT LEAD µg/10ml	% EXCRETED
1	I	0	5-19-65	25.8	3.3	85	15	0.38	0.57	0.68
	Ia	0		25.3	3.0	76	19	0.26	0.49	0.64
	II	10		25.3	15.2	385	19	0.31	0.59	0.15
	III	50		25.3	49.5	1252	15	1.19	1.79	0.14
	IV	100		24.5	77.4	1896	17	2.16	3.67	0.19
	V	500		24.6	520	12792	19	5.93	11.27	0.09
2	I	0	6-29-65	23.4	8.5	199	15	0.29	0.44	0.22
	Ia	0		24.8	8.5	211	16	0.17	0.27	0.13
	II	10		24.6	28.0	699	20	0.17	0.34	0.05
	III	50		24.9	85.0	2117	16	0.59	0.94	0.04
	IV	100		24.8	143.0	3546	20	0.92	1.84	0.05
	V	500		24.9	473	11778	16	2.50	4.00	0.03
3	I	0	7-19-65	22.1	8.5	188	21	0.0	0	0
	Ia	0		24.0	-	204	19	0.6	1.14	0.56
	II	10		22.6	28	633	16	1.0	1.60	0.25
	III	50		23.2	85	1972	20	1.0	2.00	0.10
	IV	100		22.8	140	3192	21	2.6	5.46	0.17
	V	500		23.8	484	11519	16	4.4	7.04	0.06
6	I	0	10-27-65	25.8	1.1	28	15	0.00	0	0
	Ia	0		26.1	1.9	50	14	0.10	0.14	0.28
	II	10		24.9	12.5	311	19	0.35	0.67	0.22
	III	50		26.2	40.1	1051	16	1.20	1.92	0.18
	IV	100		26.2	114.3	2987	17	2.00	3.40	0.11
	V	500		26.0	498.6	12974	19	2.90	5.51	0.04
9	I	0	1-19-66	26.2	6.0	157	17	0	0	0
	Ia	0		27.1	6.0	163	21	0	0	0
	II	10		25.7	11.5	296	17	0.2	0.03	0.01
	III	50		27.2	62	1686	20	0.8	0.16	0.01
	IV	100		27.8	114	3169	21	1.6	0.34	0.01
	V	500		27.0	545	14715	15	7.0	1.05	0.007

·MR-787
RATS

DUP040006047

FEMALES

MONTHS ON TEST	GROUP	PPM IN DIET	DATE OF URINALYSIS		FOOD gm/day	LEAD IN FEED mg/gm	INTAKE LEAD	URINE ml/day	LEAD IN URINE mg/10ml	OUTPUT LEAD	% EXCRETED
12	I	0	4-20-66		19.0	10.75	205	19	0.15	0.29	0.14
	Ia	0			19.7	—	213	22	0.25	0.55	0.26
	II	10			17.6	17	299	20	0.5	1.00	0.33
	III	50			19.0	48	912	20	0.58	1.16	0.13
	IV	100			19.8	134	2653	21	1.6	3.36	0.13
	V	500			20.9	544	11370	21	6.7	14.07	0.12
15	I	0	7-14-66		17.5	1.0	18	25	0.15	0.38	2.11
	Ia	0			17.0	-	17	19	0.05	0.10	0.59
	II	10			16.6	14.0	232	22	0.05	0.11	0.05
	III	50			15.7	54 0	848	19	0.38	0.72	0.08
	IV	100			15.8	174	2749	29	0.9	2.61	0.09
	V	500			17.1	606.3	10363	21	3.0	6.30	0.06
18	I	0	10-20-66		20.7	3.0	62	16	0.3	0.48	0.77
	Ia	0			20.4	-	61	14	0.1	0.14	0.23
	II	10			20.8	20.8	433	9	0.2	0.18	0.04
	III	50			20.8	72.2	1502	13	1.7	2.21	0.14
	IV	100			20.3	178.3	3613	15	1.7	2.55	0.07
	V	500			19.2	527.0	10118	15	5.8	8.70	0.09
21	I	0	1-20-67		19.6	3.7	73	27	0.20	0.54	0.74
	Ia	0			17.9	-	66	34	0.15	0.51	0.77
	II	10			21.2	19.5	413	20	0.45	0.90	0.22
	III	50			20.0	90.3	1806	27	0.83	2.24	0.12
	IV	100			16.1	175.6	2834	29	0.95	2.76	0.10
	V	500			20.1	808.3	16241	20	4.6	9.20	0.06
24	I	0	4-6-67		22.8	4.0	91	30	0.18	0.54	0.59
	Ia	0			18.4	-	74	24	0.20	0.48	0.65
	II	10			25.6	9.5	243	24	0.33	0.79	0.33
	III	50		✓	8.67	35.7	310	33	0.72	2.38	0.77
	IV	100			19.6	122.0	2391	26	1.40	3.64	0.15
	V	500			22.5	474.3	10665	33	3.10	10.23	0.10

MR-787
RATS

DUP040006048

FEMALES

MONTHS ON TEST	GROUP	PPM in Diet	DATE URINALYSIS	FOOD gm/day	LEAD IN FEED mg/gm	INTAKE LEAD mg	URINE ml/day	LEAD IN URINE mg/10ml	OUTPUT LEAD	% EXCRETED
1	I	0	5-20-65	18.2	3.3	60	14	0.27	0.38	0.63
	Ia	0		16.9	3.0	51	13	0.23	0.30	0.59
	II	10		17.7	15.2	269	17	0.38	0.65	0.24
	III	50		17.4	49.5	861	14	0.30	0.42	0.05
	IV	100		17.6	77.4	1362	16	1.77	2.83	0.21
	V	500		18.1	520	9412	13	5.20	6.76	0.07
2	I	0	(6-29-65)	17.7	8.5	150	13	0.29	0.37	0.25
	Ia	0		17.0	8.5	145	12	0.23	0.28	0.19
	II	10		17.8	28.0	498	15	0.39	0.59	0.12
	III	50		17.4	85.0	1479	13	0.62	0.81	0.05
	IV	100		17.7	143.0	2531	15	0.94	1.41	0.06
	V	500		18.0	473.0	8514	15	4.05	6.08	0.07
3	I	0	7-20-65	15.1	8.5	128	13	0	0	0
	Ia	0		15.2	-	129	11	0.4	0.44	0.34
	II	10		15.9	28	445	12	1.0	1.20	0.27
	III	50		15.2	85	1292	13	1.3	1.69	0.13
	IV	100		15.0	140	2100	15	2.6	3.90	0.19
	V	500		16.0	484	7744	10	4.6	4.60	0.06
6	I	0	10-28-65	18.0	1.1	20	15	0.05	0.08	0.40
	Ia	0		18.6	1.9	35	11	0.10	0.11	0.31
	II	10		18.0	12.5	225	13	0.45	0.59	0.26
	III	50		17.2	40.1	688	16	0.70	1.12	0.16
	IV	100		17.9	114.3	2041	16	2.20	3.52	0.17
	V	500		17.8	498.6	8882	14	4.40	6.16	0.07
9	I	0	1-14-66	18.6	6.0	112	15	0	0	0
	Ia	0		18.2	6.0	109	18	0	0	0
	II	10		19.3	11.5	222	13	0.1	0.13	0.06
	III	50		18.9	62	1172	19	0.4	0.76	0.06
	IV	100		19.0	114	2166	22	0.5	1.10	0.05
	V	500		19.2	545	10464	19	1.7	3.23	0.03

MR-787
FEMALE RATS

DUP040006049

MONTHS ON TEST	PPM IN DIET	DATE URINALYSIS	FOOD gm/day	LEAD µg/gm	URINE LEAD ml/day	µg/ml.	LEAD % EXCRETED	LEAD % EXCRETED		
1	0	5-20-65	18.2	3.3	14	0.03	6.79	0.70		
2		6-29-65	17.7	8.5	13	0.03	2.59	0.26		
3		7-20-65	15.1	8.5	13	0	0.00	0.00		
6		10-28-65	18.0	1.1	15	0.01	7.58	0.76		
9		1-14-66	18.6	6.0	15	0	0.00	0.00		
12		4-20-66	19.0	10.8	19	0.02	1.85	0.19		
15		7-14-66	17.5	1.0	25	0.02	8.57	2.86		
18		10-20-66	20.7	3.0	16	0.03	7.73	0.77		
21		1-20-67	19.6	3.7	27	0.02	7.45	0.74		
24		4-6-67	22.8	4.0	30	0.02	6.58	0.66	0.69	
1	0		16.9	3.0	13	0.02	5.13	0.51		
2			17.0	8.5	12	0.02	1.66	0.17		
3			15.2	8.5	11	0.04	3.41	0.34		
6			18.6	1.1	11	0.01	5.38	0.54		
9			18.2	6.0	18	0	0.00	0.00		
12			19.7	10.8	22	0.03	3.10	0.31		
15			17.0	1.0	19	0.01	1.18	1.12		
18			20.4	3.0	14	0.01	2.29	0.23		
21			17.9	3.7	34	0.02	0.27	1.03		
24			18.4	4.0	24	0.02	6.52	0.65	0.49	
1	10		17.7	15.2	17	0.04	2.53	0.25		
2			17.8	28.0	15	0.04	1.20	0.12		
3			15.9	28.0	12	0.10	2.70	0.27		
6			18.0	12.5	13	0.05	2.89	0.29		
9			19.3	11.5	13	0.01	0.59	0.06		
12			17.6	17.0	20	0.05	3.34	0.33		
15			16.6	14.0	22	0.01	0.95	0.09		
18			20.8	20.8	9	0.02	0.42	0.04		
21			21.2	19.5	20	0.05	2.41	0.24		
24			25.6	9.5	24	0.03	2.96	0.30	0.20	

FEMALE RATS
MR-787

DUP040006050

MONTHS ON TEST	PPM IN DIET	DATE URINALYSIS	FOOD LEAD gm/day	FOOD LEAD ug/gm	URINE LEAD ml/day	URINE LEAD ug/ml	LEAD EXCRETED	% LEAD EXCRETED		
1			17.4	49.5	.14	0.03	0.42	0.05		
2	50		17.4	85.0	13	0.06	0.53	0.05		
3			15.2	85.0	13	0.13	1.31	0.13		
6			17.2	40.1	16	0.07	1.12	0.16		
9			18.9	62.0	19	0.04	0.65	0.06		
12			19.0	48.0	20	0.06	1.32	0.13		
15			15.7	54.0	19	0.04	0.90	0.09		
18			20.8	72.2	13	0.17	1.47	0.15		
21			20.0	90.3	27	0.08	1.20	0.12		
24			8.7	35.9	33	0.07	7.44	0.74	0.17	
1			17.6	77	16	0.18	2.13	0.21		
2	100		17.7	143	15	0.09	0.53	0.05		
3			15.0	140	15	0.26	1.86	0.19		
6			17.9	114	16	0.22	1.72	0.17		
9			19.0	114	22	0.05	0.51	0.05		
12			19.8	134	21	0.16	1.27	0.13		
15			15.8	174	29	0.09	0.95	0.09		
18			20.3	178	15	0.17	0.71	0.07		
21			16.1	118	29	0.10	1.53	0.15		
24			19.6	122	26	0.14	1.52	0.15	0.13	
1			18.1	520	13	0.52	0.72	0.07		
2	500		18.0	473	15	0.41	0.72	0.07		
3			16.0	484	10	0.46	0.59	0.06		
6			17.8	499	14	0.44	0.69	0.07		
9			19.2	545	19	0.17	0.31	0.03		
12			20.9	544	21	0.67	1.24	0.12		
15			17.1	616	21	0.30	0.60	0.06		
18			19.2	527	15	0.58	0.86	0.09		
21			20.1	808	20	0.46	0.57	0.06		
24			22.5	474	33	0.31	0.96	0.10	0.07	

MR-787
MALE RATS
LEAD EXCRETION

DUP040006051

MONTHS ON TEST	PPM IN DIET	DATE URINALYSIS	FOOD gm/day	LEAD µg/gm		URINE ml/day	LEAD µg/ml		LEAD % EXCRETED			
1		5-19-65	25.8	3.3		15	0.04		0.70			
2	0	6-29-65	23.4	8.5		15	0.03		0.23			
3		7-19-65	22.1	8.5		21	0.06		0.67			
6		10-27-65	25.8	1.1		15	0		0.00			
9		1-3-66	26.2	6.0		17	0		0.00			
12		4-13-66	25.8	10.8		15	0.02		0.01			
15		7-13-66	23.6	1.0		21	0.02		1.78			
18		10-19-66	27.2	3.0		21	0.01		0.26			
21		1-19-67	24.4	3.7		40	0.02		0.01			
24		4-5-67	24.4	4.0		54	0.04		2.21	0.59		
1			23.5	3.0		19	0.03		0.81			
2	0		23.4	8.5		15	0.02		0.02			
3			22.1	8.5		21	0.06		0.67			
6			25.8	1.1		15	0.01		0.53			
9			26.2	6.0		17	0		0.00			
12			26.2	10.8		23	0.02		0.16			
15			24.2	1.0		18	0.01		0.74			
18			27.3	3.0		24	0.01		0.29			
21			22.8	3.7		20	0.03		0.71			
24			21.9	4.0		43	0.03		1.47	0.54		
1			25.3	15.2		19	0.03		0.15			
2	10		24.6	28.0		20	0.02		0.06			
3			22.6	28.0		16	0.10		0.25			
6			24.9	12.5		19	0.04		0.24			
9			25.7	11.5		17	0.02		0.12			
12			26.0	17.0		19	0.06		0.26			
15			23.5	14.0		19	0.04		0.23			
18			27.0	20.8		20	0.02		0.07			
21			23.8	19.5		34	0.02		0.15	0.23		
24			22.9	9.5		35	0.05		0.80			

MR-10B
NINETY DAY FEEDING TEST
LEAD ACETATE
Rats

DUP040006052

MALE

		months					months			
		~~1-0~~	1	2	3	0	1	2	3	
ERYTHROCYTES	0	6.24	~~4.41~~	6.47	6.34	6.30	5.51	5.33	5.86	5.57
	1000	6.11	~~4.36~~	6.39	6.96	6.48	5.58	5.89	6.07	5.80
	2000	5.87	~~4.1~~	6.60	6.83	6.43	5.76	5.71	6.34	5.94
HEMOGLOBIN	0		15.7	17.8	16.4	16.6	14.9	15.7	15.8	15.5
	1000		14.5	16.8	15.9	15.7	14.8	15.6	15.3	15.2
	2000		14.5	13.9	15.9	14.8	15.5	15.5	15.9	15.6
HEMATOCRIT	0		47	47	47	47	44	42	44	43
	1000		43	46	47	45	44	42	44	43
	2000		43	41	47	44	44	40	45	43
LEUCOCYTES	0		14.1	12.9	12.6	13.2	11.8	11.5	12.9	12.1
	1000		13.5	14.4	10.2	12.7	10.0	11.0	10.0	10.3
	2000		11.1	13.1	9.0	11.1	11.4	10.9	11.8	11.4
STIPPLED RBCs	0		0	0	0	0	0.2	0.3	0	0.2
	1000		5.3	4.5	1.7	3.8	12.0	6.8	4.3	7.7
	2000		6.5	10.7	3.8	7.0	7.5	17.5	6.7	10.6

FEMALE

DUP040006053

MALE

		0	months 1	2	3	
Segmented Neutrophil	0		20.8	22.3	26.0	23.0
	1000		21.5	25.5	22.5	23.2
	2000		22.8	26.5	17.8	22.4
Juvinile Neutrophil	0		1.8	1.3	3.2	2.1
	1000		2.7	1.5	3.5	2.6
	2000		1	2.2	1.8	1.7
Myelocyte	0		0.2	0	0	0.07
	1000		0.2	0	0	0.07
	2000		0.3	0	0	0.1
Lymphocyte	0		74.0	73.0	65.7	70.9
	1000		72.2	66.8	69.3	69.4
	2000		70.7	66.7	76.8	71.4
Eosinophil	0		1.2	2	3.7	
	1000		2.3	3.5	3	
	2000		2	1.3	1.2	

FEMALE

		0	months 1	2	3	
Segmented Neutrophil	0		16.7	20.8	23.8	20.4
	1000		18.3	18.8	18.3	18.5
	2000		22.8	21.0	24.0	22.6
Juvinile Neutrophil	0		3	2	2.3	2.4
	1000		2	1.5	1.8	1.8
	2000		3.5	1.5	1.5	2.2
Myelocyte	0		0.2	0	0.2	0.13
	1000		0.2	0.2	0.2	0.2
	2000		0	0.3	0	0.1
Lymphocyte	0		77.3	74.0	67.8	73.0
	1000		72.5	77.0	73.7	74.4
	2000		66.5	72.7	70.8	70.0
Eosinophil	0		1	1.5	3.5	
	1000		2.2	2	3.5	
	2000		2.2	2.8	1.7	

DUP040006054

MALE

		months 0	1	2	3	
Urine Volume	0		18	16	16	17
	1000		13	17	16	15
	2000		20	21	22	21
Urine Osmolality	0		1888	1940	2074	1967
	1000		2571	1898	2231	2233
	2000		1763	1529	1630	1641
Urine Protein	0		8	3.0	5	5.3
	1000		8	4.5	5	5.8
	2000		20	7.0	13	13.3
Urine SALA	0		0.08	0.14	0.11	0.11
	1000		0.41	0.48	0.36	0.42
	2000		0.55	0.69	0.52	0.59
Urine GOT	0		20	24	21	22
	1000		17	24	20	20
	2000		15	26	20	20

FEMALE

		months 0	1	2	3	
Urine Volume	0		11	16	12	13
	1000		11	15	14	13
	2000		11	18	16	15
Urine Osmolality	0		1798	1547	2115	1820
	1000		1853	1699	1742	1831
	2000		1632	1332	1570	1511
Urine Protein	0		3	3.6	1.0	2.5
	1000		2	1.5	1.7	1.7
	2000		4	2.0	2.1	2.7
Urine SALA	0		0.06	0.08	0.06	0.07
	1000		0.26	0.33	0.25	0.28
	2000		0.26	0.47	0.28	0.34
Urine GOT	0		10	23	28	20
	1000		10	15	45	23
	2000		9	12	28	16

DUP040006055

MALE

		months 0	1	2	3	
Alkaline Phosphatase	0		7.1	4.7	3.7	5.2
	1000		7.8	4.6	4.9	5.8
	2000		7.8	4.0	4.0	5.3
G/P Transaminase	0		19	20	22	20
	1000		16	18	19	18
	2000		19	18	19	19
Lead URINE	0		0.25	0.30	0	0.20
	1000		11.2	12.4	10.8	11.47
	2000		13.2	13.0	19.3	15.17
Lead FECES	0					
	1000					
	2000					
Lead HAIR	0					
	1000					
	2000					

FEMALE

		months 0	1	2	3	
Alkaline Phosphatase	0		5.2	5.1	3.8	4.7
	1000		3.8	5.1	4.7	4.5
	2000		6.2	4.6	5.1	5.3
G/P Transaminase	0		17	18	20	18
	1000		17	19	18	18
	2000		15	18	20	18
Lead URINE	0		0.30	0.25	1.6	0.73
	1000		10.5	7.4	13.0	10.30
	2000		7.4	9.0	12.2	9.53
Lead FECES	0					
	1000					
	2000					
Lead HAIR	0					
	1000					
	2000					

MR-781
ERYTHROCYTES
FEMALE RATS
CONTROL GROUPS
I & Ia

DUP040006056

	1	2	3	6	9	12	15	18	21	24
1	6.08	7.52	6.16	6.84	7.04	6.60	5.84	5.48	5.72	5.72
2	6.16	6.84	6.16	7.12	7.20	6.64	5.96	5.28	6.08	5.68
3	6.12	7.04	6.12	7.20	6.28	7.44	5.48	6.20	6.44	5.44
4	6.84	7.32	6.24	7.12	5.96	7.28	5.88	6.24	5.88	5.76
5	6.12	6.72	6.00	6.68	5.96	-	6.00	6.88	6.20	2.60
6	7.44	7.12	6.84	6.56	6.24	7.36	5.64	6.24	6.12	6.04
7	6.80	8.04	7.88	7.16	7.44	7.52	5.36	-	5.96	6.04
8	5.88	6.56	7.16	7.68	6.56	7.84	6.04	6.64	5.16	4.56
9	6.88	6.76	6.48	7.00	6.92	7.44	5.24	6.24	3.12	3.76
10	6.92	6.92	7.00	7.16	6.04	6.88	5.64	-	4.20	5.16
11	6.88	6.68	6.80	6.20	6.68	6.64	5.84	5.48	4.60	4.60
12	6.80	9.00	6.76	7.20	7.28	7.12	6.00	5.84	5.44	5.64
ΣX	7892	8652	7960	8392	7960	7876	6892	6052	6492	6600
ΣX^2	5215696	6292144	5313568	5884640	5311968	5656592	3966256	3687216	3619024	3220016
CF	5190305	6238092	5280133	5868805	5280133	5639216	3958305	3662670	3512172	3190833
Σd^2	25391	54052	33435	15835	31835	17376	07951	24546	106852	119183
$S.D.^2$	0.2308	0.4914	0.3039	0.1439	0.2894	0.1738	0.0722	0.2727	0.9714	1.0835
S.D.	0.480	0.710	0.551	0.379	0.538	0.416	0.269	0.522	0.986	1.041
MEAN	6.58	7.21	6.63	6.99	6.63	7.16	5.74	6.05	5.41	5.08
-2 S.D.										

MR-781
HEMOGLOBIN
FEMALE RATS
CONTROL GROUPS
I & Ia

DUP040006057

			1	2	3	6	9	12	15	18	21	24
		1	15.0	17.7	16.5	16.4	15.5	15.8	15.2	16.5	15.8	14.5
		2	15.3	16.1	15.0	15.6	16.0	15.8	15.2	15.0	16.8	14.9
		3	14.4	16.1	15.8	15.5	15.5	15.8	14.1	15.9	16.1	15.4
		4	14.7	15.9	15.0	15.5	14.9	15.9	14.2	16.9	14.1	15.8
		5	13.7	15.6	14.7	15.2	14.9	–	15.7	15.8	14.7	8.4
		6	15.7	15.3	16.1	15.3	14.4	16.1	13.5	15.7	16.1	15.7
		7	15.5	16.2	16.4	16.5	15.9	15.6	14.0	14.9	14.7	14.2
		8	14.7	15.8	15.9	15.5	14.8	16.2	16.1	15.2	12.3	14.2
		9	14.8	16.5	15.9	15.5	15.8	15.3	15.1	16.1	10.9	11.5
		10	15.5	15.9	14.9	16.6	14.3	15.0	14.6	–	11.0	13.7
		11	15.7	14.9	15.0	15.0	14.7	15.4	15.7	15.0	11.6	15.1
		12	14.0	17.5	16.2	15.9	14.9	15.4	15.8	16.1	13.8	13.7
ΣX			179.0	193.5	187.4	188.5	181.6	172.3	179.2	173.1	167.9	167.1
ΣX^2			2674.84	3127.37	2931.22	2964.07	2751.96	2700.15	2683.78	2728.27	2397.39	2375.03
CF			2670.08	3120.19	2924.56	2961.02	2748.21	2698.84	2676.05	2723.96	2349.20	2326.87
Σd^2			4.76	7.18	4.66	3.05	3.75	1.31	7.73	4.31	48.19	48.16
S.D.^{2}			0.4327	0.6527	0.4236	0.2773	0.3409	0.131	0.7027	0.4310	4.381	4.378
S.D.			0.657	0.808	0.651	0.526	0.584	0.362	0.838	0.656	2.093	2.092
MEAN			14.9	16.1	15.6	15.7	15.1	15.7	14.9	15.7	14.0	13.9
-2 S.D.												

MR-781
HEMATOCRIT
FEMALE RATS
CONTROL GROUPS
I & Ia

	1	2	3	6	9	12	15	18	21	24
1	41	49	42	46	41	43	45	45	43	43
2	36	47	42	46	47	44	42	43	45	44
3	38	46	44	43	46	45	43	43	44	42
4	41	45	41	45	42	46	43	48	39	44
5	35	42	40	42	43	-	42	46	40	26
6	39	45	46	44	43	45	42	44	45	42
7	40	46	44	44	44	43	42	45	40	39
8	36	43	42	46	43	43	44	41	35	38
9	38	44	40	43	46	44	41	43	25	34
10	42	43	41	45	42	41	41	40	31	39
11	42	39	39	40	43	39	42	43	32	41
12	37	44	40	46	44	43	44	44	38	41
ΣX	465	533	501	530	524	476	511	525	457	473
ΣX^2	18085	23747	20963	23448	22918	20636	21777	23019	17835	18929
CF	18019	23671	20917	23408	22881	20598	21960	22969	17404	18644
Σd^2	66	76	46	40	37	38	17	50	431	285
S.D.^{2}	6.0	6.9	4.2	3.6	3.3	3.8	1.5	4.5	39.1	25.9
S.D.	2.4	2.7	2.0	1.9	1.8	1.9	1.2	2.1	6.2	5.0
2SD										
MEAN	39	44	42	44	44	43	43	44	38	39
-2S.D.										

DUP040006058

MR-787
LEUCOCYTES
FEMALE RATS
CONTROL GROUPS
I & Ia

		1	2	3	6	9	12	15	18	21	24
	1	8.4	12.3	13.4	8.2	9.8	9.8	7.8	9.0	—	11.2
	2	12.6	14.6	7.6	11.0	11.1	10.7	10.6	8.4	-	7.9
	3	11.7	11.7	12.4	12.3	11.8	8.7	12.7	6.7	-	11.1
	4	10.2	12.6	10.7	9.3	10.4	7.1	9.0	8.1	—	8.1
	5	16.2	13.4	10.5	9.7	6.8	-	8.8	8.6	-	18.1
	6	14.2	13.4	8.9	6.7	8.4	6.7	6.7	8.0	-	15.9
	7	9.8	14.2	10.1	10.6	10.2	7.4	11.2	-	-	10.3
	8	12.3	12.9	13.9	9.9	8.7	7.8	9.2	8.1	-	18.4
	9	20.0	14.2	12.2	9.0	10.7	10.4	8.4	7.7	-	16.0
	10	10.8	13.8	12.3	10.3	10.0	8.3	8.1	—	—	10.4
	11	11.2	14.1	8.0	7.9	8.6	9.4	9.0	8.7	-	15.6
	12	15.4	17.1	9.6	9.0	8.0	8.4	10.0	7.7	—	10.5
ΣX		152.8	164.3	129.6	113.9	114.5	94.7	111.5	81.0		153.5
ΣX^2		2060.90	2270.57	1446.54	1105.87	1115.63	833.09	1065.07	659.90		2119.51
CF		1945.65	2249.54	1399.68	1081.10	1092.52	815.28	1036.02	656.10		1963.52
Ed^2		115.25	21.03	46.86	24.77	23.11	17.81	29.05	3.80		155.99
$S.D.^2$		10.477	1.912	4.260	2.252	2.101	1.781	2.641	0.422		14.18
S.D.		3.237	1.38	2.06	1.50	1.44	1.33	1.63	0.65		3.76
MEAN		12.7	13.7	10.8	9.5	9.5	8.6	9.3	8.1		12.8
-2 S.D.											

DUP040006059

MR-781
STIPPLED CELLS
FEMALE RATS
CONTROL GROUPS
I & Ia

	1	2	3	6	9	12	15	18	21	24
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	1	0	0	0
5	0	0	0	0	0	-	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0
7	1	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	1	0	
10	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	1	
12	0	0	0	0	0	0	0	0	0	
ΣX										
ΣX^2										
CF										
Σd^2										
$S.D.^2$										
S.D.										
MEAN										
-2 S.D.										

DUP040006060

MR-787
ALKALINE PHOSPHATASE
FEMALE RATS
CONTROL GROUPS
I & Ia

			1	2	3	6	9	12	15	18	21	24
		1	6.0	5.6	3.2	4.1	1.4	2.4	2.6	3.7	3.7	2.5
		2	9.0	3.4	7.0	2.4	4.6	2.5	3.8	6.7	1.9	4.7
		3	9.5	6.2	2.9	3.3	2.4	5.2	2.4	1.2	1.9	4.6
		4	5.1	3.5	3.6	5.3	4.0	3.6	5.5	1.9	2.4	3.6
		5	5.9	7.6	7.4	6.9	1.5	3.0	3.3	2.6	2.8	2.9
		6	8.1	6.2	8.3	4.7	4.7	5.0	3.4	4.7	2.5	3.9
		7	9.5	4.7	3.9	2.4	5.5	5.5	3.0	0.9	2.2	2.6
		8	7.6	4.4	2.8	4.5	3.3	3.8	3.5	2.4	2.1	4.6
		9	9.8	10.2	6.1	3.2	1.2	4.6	5.6	2.2	7.0	2.6
		10	9.5	5.4	5.0	3.8	3.1	1.8	5.1	3.3	3.8	1.0
		11	9.0	9.0	5.0	2.5	3.6	6.1	2.8	3.4	2.9	1.5
		12	6.2	5.7	6.1	4.3	3.2	4.9	4.5	3.5	0.7	5.2
			1	2	3	4	5	6	7	8	9	10
ΣX			95.2	71.9	61.3	47.4	38.5	48.4	45.5	36.5	33.9	39.7
ΣX^2			787.42	477.795	351.73	206.68	144.61	216.32	186.37	138.59	122.35	151.05
CF			755.25	430.80	313.14	187.23	123.52	195.21	172.51	111.02	95.77	131.34
Σd^2			32.17	47.15	38.59	19.45	21.09	21.11	13.86	27.57	26.58	19.71
S.D.^{2}			2.925	4.286	3.508	1.768	1.917	1.919	1.260	2.506	2.416	1.792
S.D.			1.71	2.07	1.87	1.32	1.38	1.38	1.12	1.58	1.55	1.33
MEAN			7.93	5.99	5.11	3.95	3.21	4.03	3.79	3.04	2.83	3.30
-2S.D.												

DUP04006061

MR-787
URINE VOLUME
FEMALE RATS
CONTROL GROUPS

I & Ia

			1	2	3	6	9	12	15	18	21	24
		1	17	14	15	9	11	12	14	13	20	15
		2	13	15	9	17	19	28	23	10	22	25
		3	14	8	11	12	11	13	31	25	35	22
		4	15	14	14	26	15	24	31	22	28	53
		5	15	13	12	18	14	-	32	14	27	25
		6	12	15	15	10	19	19	20	10	30	37
		7	14	9	11	9	10	10	29	25	22	15
		8	18	18	9	7	12	20	10	8	25	38
		9	11	9	10	17	21	39	25	14	50	25
		10	8	12	7	17	19	12	12	10	53	39
		11	14	15	9	9	27	26	20	18	15	21
		12	15	10	18	7	19	27	20	6	36	4
ΣK			166	152	140	158	197	230	267	175	363	319
ΣK^2			2374	2030	1748	2452	3521	5604	6581	3019	12461	10409
CF			2296	1925	1633	2080	3234	4809	5941	2552	10981	8480
Σd^2			78	105	115	372	287	795	640	467	1480	1929
S.D.^{2}			7.090	9.545	10.45	33.81	26.09	79.50	58.18	42.45	134.5	175.4
S.D.			2.66	3.09	3.13	5.71	5.11	8.91	7.63	6.41	11.59	1323
MEAN			14	13	12	13	16	21	22	15	30	27
-2 S.D.												

DUP040006062

MR-781
PROTEIN
FEMALE RATS
CONTROL GROUPS

I & Ia

			1	2	3	6	9	12	15	18	21	24
		1	2	1	1	2	2	10	6	1	154	8
		2	4	2	0	2	1	11	86	2	9	25
		3	25	2	1	2	1	2	6	48	361	136
		4	2	2	1	2	2	6	3	61	11	64
		5	5	8	1	1	1	-	10	15	14	8
		6	2	2	1	0.6	7	4	2	83	12	391
		7	1	1	1	0.4	1	2	20	4	11	15
		8	1	3	2	2.0	2	4	1	3	20	34
		9	1	1	2	1	6	37	10	1	25	13
		10	17	1	0	3	0	1	3	9	32	20
		11	1	2	1	55	3	4	2	7	24	58
		12	2	4	2	26	73	76	88	13	50	11
	ΣX		63	29	13		99	157	237	247	723	783
	ΣX^2		975	113	19		5439	7459	15839	13469	159825	181661
	CF		331	70	14			2241		5084	43561	51691
	Σd^2		644	43	5			5218		8385	116264	130570
	$S.D.^2$		585	39	.045			522		762	10569	11870
	S.D.											
	MEAN											65
	-2 S.D.											

DUP040006063

MR-171
OSMOLALITY
FEMALE RATS
CONTROL GROUPS
I & Ia

			1	2	3	6	9	12	15	18	21	24
		1	1430	-	12.65	2128	1240	1960	2227	840	920	785
		2	1805	-	2510	1435	1445	2105	1455	1000	905	930
		3	1850	-	2035	1790	1693	1815	1197	525	1055	1090
		4	1690	-	1980	905	2050	1245	1000	400	1060	680
		5	1425	-	1985	1390	1595	-	1160	900	870	910
		6	1845	-	1740	1950	1475	1300	1665	835	735	720
		7	1625	-	2045	1820	1750	1765	1475	410	1145	1548
		8	1395	-	2055	3210	1475	1370	2194	890	1197	785
		9	2060	-	2635	1375	1405	765	920	640	650	1165
		10	2490	-	2450	1415	1315	1900	2184	1120	600	765
		11	1710	-	2440	1558	950	970	1235	585	1682	1080
		12	1305	-	1385	2360	1560	1025	1637	1140	935	1940
ΣX			20630		24525	21336	17953	16220	18359	9285	11754	12398
ΣX^2			36673650		52152375	41857148	27691499	25985750	30456199	7914475	12428858	14363104
CF			35466408		50122969	37935408	26859184	23917127	28087740	7184269	11513043	12809200
Σd^2			1207242		2029406	3916240	832315	2068623	2368459	730206	915815	1553904
$S.D.^2$			109749.		184491	356022	75665.0	206862	215314	66382	83256	141264
S.D.			331		429	597	275	455	464	256	288	376
MEAN			1719		2044	1778	1496	1475	1530	774	9795	1033
-2 S.D.												

DUP040006064

MR-787
URINE δ AMINOLEVULINIC ACID
FEMALE RATS
CONTROL GROUPS

I & Ia

		1	2	3	6	9	12	15	18	21	24
	1	.05	0.05	0.07	0.03	0.03	0.08	0.02	0.02	0.05	0.05
	2	.07	0.05	0.02	0.03	0.05	0.07	0.01	0.03	0.04	0.02
	3	.10	0.04	0.08	0.04	0.05	0.08	0.01	0.03	0.10	0.04
	4	.15	0.06	0.08	0.03	0.08	0.04	0.02	0.06	0.04	0.04
	5	.11	0.05	0.10	0.03	0.05	0.01	0.01	0.04	0.11	0.03
	6	.12	0.06	0.03	0.05	0.06	0.03	0.02	0.02	0.03	0.06
	7	.12	0.11	0.07	0.05	0.06	0.04	0.14	0.02	0.02	0.04
	8	.11	0.08	0.05	—	0.05	0.02	0.08	0.02	0.03	0.03
	9	.12	0.08	0.03	0.04	0.09	0.03	0.05	0.03	0.09	0.08
	10	.11	0.10	0.04	0.04	0.10	0.04	0.04	0.02	0.13	0.05
	11	.10	0.06	0.08	0.09	0.07	0.01	0.12	0.04	0.02	0.03
	12	.10	0.03	0.06	—	0.04	0.07	0.07	0.02	0.04	0.02
ΣX		1.26	.77	.71	.43	.73	52	59	.35	70	49
ΣX^2		.1394	.0557	.0489	.0215	.0491	.0298	.0509	.0119	.0570	.0233
CF		.1323	.0494	.0420	.0185	.0444	.0225	.0290	.0102	.0408	.0200
Σd^2		.0071	.0063	.0069	.0030	.0047	.0073	.0219	.0017	.0162	.0033
S.D.^{2}		.0008 64	.0005 72	.0006 27	.0003 3	.0004 3	.0006 6	.0019 9	.0001 5	.0014 7	.0003 00
S.D.		0.025	0.024	0.025	0.018	0.021	0.026	0.045	0.012	0.012	0.017
MEAN		0.11	0.06	0.06	0.04	0.06	0.04	0.05	0.03	0.06	0.04
-2 S.D.											

DUP040006065

MR-181
URINE GOT
FEMALE RATS
CONTROL GROUPS
I & Ia

		1	2	3	6	9	12	15	18	21	24
	1	14	19	16	16	19	-	14	-	32	
	2	19	19	25	16	16	-	25	-	25	
	3	19	22	14	19	19	-	14	-	28	
	4	28	8	25	6	14	-	19	-	25	
	5	28	16	22	19	-	-	16	-	55	
	6	16	16	19	22	25	-	16	-	25	
	7	16	25	25	11	25	-	32	-	25	
	8	16	11	11	28	16	-	14	-	45	
	9	25	11	40	19	22	-	16	-	28	
	10	32	25	22	19	22	-	16	-	36	
	11	25	8	16	14	32	-	22	-	40	
	12	22	16	19	19	28	-	28	-	25	
Σx		260	196	254	208	238		232		389	
ΣX^2		6012	3594	5994	3938	5456		4890		13663	
C_F		5633	3201	5376	3605	5149		4485		12610	
Σd^2		379	393	618	333	307		405		1053	
S.D.^{2}		34.4	35.7	56.2	30.2	30.7		36.8		95.7	
S.D.		5.86	5.97	7.50	5.49	5.54		6.07		9.78	
MEAN		22	16	21	17	22		19		32	
-2 S.D.											

DUP040006066

MR-787
ERYTHROCYTES
MALE RATS
CONTROL GROUPS
I + IA

	1	2	3	6	9	12	15	18	21
1	6.24	7.08	7.68	7.40	7.64	7.76	5.88	8.88	5.92
2	5.88	6.04	7.04	7.84	8.04	8.44	6.24	6.44	5.60
3	6.16	6.68	7.00	7.52	7.64	~~5.56~~	5.32	7.52	7.00
4	7.08	6.80	5.60	7.36	7.12	8.28	6.44	7.08	5.64
5	6.28	6.84	6.12	8.04	7.72	8.72	6.08	7.76	4.40
6	5.96	7.24	7.64	7.52	7.36	7.28	5.76	7.12	3.80
7	6.20	7.32	7.36	7.72	8.20	6.24	5.52	7.28	7.20
8	5.92	7.28	6.72	7.68	6.88	7.64	6.08	7.20	6.48
9	4.44	7.32	7.36	7.36	7.04	7.68	6.68	7.40	5.60
10	5.60	6.68	6.92	7.92	6.60	7.00	6.16	7.44	6.68
11	5.76	6.84	7.04	8.08	6.88	6.20	5.28	6.84	5.96
12	6.78	7.20	7.12	8.28	7.64	8.32 (1)	5.88	7.36	5.20
Σx	72.30	83.32	83.60	92.72	88.76	83.56	71.32	88.32	69.48
Σx^2	440.2500	580.0848	586.3680	717.4592	659.2432	641.9984	425.8896	653.8240	413.3904
CF	435.6075	578.5185	582.4133	716.4165	656.5281	634.7521	423.8785	650.0352	402.389
Σd^2	1.6425	1.5663	3.9547	1.0427	2.1151	7.2463	2.0111	3.7888	11.101
$S.D.^2$	.4220	.1424	.3595	.0948	.2468	0.7246	0.1828	.3444	1.10
S.D.	.6496	.3773	.5995	.0308	.4967	0.8412	.4275	.5868	1.048
MEAN	6.025	6.943	6.969	7.727	7.397	7.596	5.943	7.360	5.790
-2S.D.	4.73	6.19	5.77	7.67	7.40	5.91	5.09	6.18	3.69

DUP040006067

MR-787
HEMOGLOBIN
MALE RATS
CONTROL GROUPS
I & Ia

		1	2	3	6	9	12	15	18	21	24
1		16.4	18.1	15.9	16.7	16.9	17.0	15.8	16.2	14.7	15.7
2		14.4	15.6	17.1	15.5	16.8	18.1	16.3	14.2	15.3	16.0
3		16.0	15.9	16.8	15.6	15.3	84	14.7	16.1	15.5	17.0
4		15.0	17.8	14.9	17.2	16.0	16.7	16.4	14.7	14.6	12.7
5		15.5	17.1	16.8	17.2	15.9	17.0	16.6	15.3	13.3	6.1
6		15.0	17.5	16.1	16.1	16.6	14.4	16.1	16.8	12.0	12.1
7		15.0	17.2	16.8	16.4	16.5	14.0	16.4	14.9	16.4	14.2
8		15.8	17.2	16.4	15.5	14.5	16.3	15.8	15.5	15.4	14.8
9		14.4	16.2	16.1	16.4	16.1	15.9	18.8	14.5	13.7	11.6
10		15.3	16.1	16.9	16.2	15.3	15.2	17.2	16.2	15.8	13.3
11		14.0	17.2	17.1	16.7	14.7	13.8	15.5	13.1	16.1	16.3
12		15.5	16.8	17.2	15.9	15.9	16.3	15.8	15.5	14.4	7.0
ΣX		182.3	202.7	198.1	195.4	190.5	174.7	195.4	183.0	177.2	156.8
ΣX^2		2794.91	3430.69	3295.19	3185.70	3031.01	2793.53	3192.92	2802.52	2634.50	2183.22
CF		2769.44	3423.94	3270.30	3181.76	3024.19	2774.55	3181.36	2790.75	2616.65	2048.85
Σd^2		5.47	6.75	4.89	3.94	6.82	18.98	11.16	11.77	17.85	134.37
S.D.^{2}		0.4973	0.6136	0.4445	0.3582	.6200	1.898	1.01	1.070	1.623	12.215
S.D.		.7052	.7833	.6667	.5985	.7874	1.38	1.00	1.03	1.27	3.496
MEAN		15.19	16.89	16.51	16.28	15.88	15.88	16.28	15.25	14.76	13.07
-2S.D.		13.8	15.3	15.2	15.1	14.3	13.1	14.3	13.2	12.2	6.1

DUP040006068

MR-787
HEMATOCRIT
MALE RATS
CONTROL GROUPS
I + Ia

		1	2	3	6	9	12	15	18	21	24
	1	42	51	45	48	49	45	48	47	42	47
	2	41	43	46	46	49	47	46	41	39	48
	3	43	46	46	46	46	37	43	43	46	47
	4	43	51	42	47	45	46	49	42	37	33
	5	41	48	45	50	40	49	47	43	38	20
	6	41	49	47	46	49	43	51	43	37	36
	7	38	45	44	45	51	39	46	42	46	39
	8	43	45	44	47	44	46	45	43	43	43
	9	39	45	44	47	45	44	50	39	40	33
	10	39	42	45	48	45	44	48	43	45	36
	11	39	44	46	46	42	39	44	35	46	47
	12	42	46	44	49	48	47	46	43	40	20
ΣX		491	555	538	565	553	489	563	504	499	449
ΣX^2		20125	25763	24140	26625	25599	21839	26477	21268	20889	17871
CF		20090	25669	24120	26602	25484	21738	26414	21168	20750	16800
ΣD^2		35	94	20	23	115	101	63	90	139	1071
$S.D.^2$		3.181	8.545	1.818	2.090	10.45	10.10	5.727	8.181	12.63	97.36
S.D.		1.78	2.92	1.35	1.45	3.13	3.18	2.39	2.86	3.55	9.86
MEAN		40.8	46.3	44.8	47.1	46.1	44.5	46.9	42.0	41.6	37.4
-2 S.D.		37.2	40.5	42.1	44.2	39.8	38.1	42.1			

DUP040006069

MR-187

LEUCOCYTES

MALE RATS

CONTROL GROUPS

I + Iw

			1	2	3	6	9	12	15	18	21	24
		1	15.6	11.6	12.2	15.4	17.2	12.4	9.0	11.4	10 9	12.6
		2	13.3	14.0	15.0	11.7	13.0	16.3	12.7	18.8	16.4	17.8
		3	16.4	20.8	11.7	10.2	10.6	~~240.4~~	14.0	17.5	11.7	19.2
		4	12.3	18.4	20.1	12.8	15.7	13.8	10.9	12.2	19.5	18.8
		5	13.2	13.6	16.5	13.2	9.5	11.2	10.8	9.1	18.2	33.6
		6	28.1	14.9	20.7	10.3	13.7	15.2	17.7	10.0	34.1	26.4
		7	18.8	13.6	21.1	14.3	12.8	16.6	13.9	24.4	16.3	21.6
		8	10.0	13.3	14.7	15.2	13.2	11.9	13.4	17.1	18.3	19.4
		9	12.1	12.8	10.8	9.5	10.8	10.2	20.5	11.6	16.7	29.6
		10	9.6	15.5	13.4	13.2	8.8	12.9	12.0	8.4	15.9	14.1
		11	12.0	15.2	11.3	14.0	11.4	16.0	15.4	19.0	14.4	7.2
		12	11.3	20.5	12.8	17.1	9.1	10.1	13.0	13.6	26.4	12.6
ΣX			172.7	184.2	180.3	156.9	145.8	146.6	163.3	173.1	218.8	232.9
ΣX^2			2768.05	2925.76	2864.51	2110.69	1846.56	2012.00	2330.21	2760.15	4435.56	5152.09
CF			2485.44	2827.47	2709.01	2051.47	1771.47	1953.78	2222.24	2496.97	3989.45	4520.20
Σd^2			282.61	98.49	155.50	59.22	75.09	58.22	107.97	263.18	446.11	631.89
S.D.^{2}			25.69	8.954	14.14	5.384	6.826	5.822	9.815	23.93	40.56	57.44
S.D.			5.06	2.99	3.76	2.32	2.63	2.41	3.13	4.92	6.37	7.58
MEAN			14.39	15.35	15.03	13.08	12.15	13.33	13.61	14.43	18.23	19.41
-2 S.D.												

DUP04006070

MR-787
STIPPLED CELLS
MALE RATS
CONTROL GROUPS
I + Ia

	1	2	3	6	9	12	15	18	21	24
1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	1	0	0	0
3	0	0	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0
7	0	1	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0
11	1	2	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0
ΣX	1	3								
ΣX^2		5								
CF										
Σd^2										
$S.D.^2$										
S.D										
MEAN										
-2 S.D.										

DUP04000671

MR-787
ALKALINE PHOSPHATASE
MALE RATS
CONTROL GROUPS
I + Ia

		1	2	3	6	9	12	15	18	21	24
	1	5.8	7.0	4.2	5.3	6.2	3.4	1.9	5.9	5.1	2.7
	2	7.3	8.6	5.2	5.3	3.6	5.6	6.5	5.6	6.9	2.6
	3	7.8	8.2	7.1	6.9	2.9	6.1	2.3	3.3	4.0	4.3
	4	6.8	4.2	9.4	2.4	5.6	3.9	7.4	5.3	7.1	3.9
	5	10.1	8.4	4.5	7.8	8.0	1.4	5.0	2.1	3.3	1.8
	6	3.8	9.3	9.9	3.7	5.8	3.2	8.4	3.9	5.2	1.6
	7	6.4	4.6	6.0	3.9	3.1	3.3	6.3	3.6	2.9	0.9
	8	4.0	7.5	3.1	8.0	9.2	9.1	5.4	3.1	2.2	0.7
	9	8.6	11.2	3.2	3.6	2.5	7.1	2.9	9.9	3.3	4.5
	10	4.2	6.8	4.7	5.1	4.2	2.7	1.7	5.1	4.8	2.1
	11	6.6	7.6	5.2	3.5	1.9	5.9	2.4	4.9	2.2	1.9
	12	7.3	5.1	9.3	11.1	6.3	2.4	6.2	4.1	3.8	3.4
ΣX		78.7	88.5	71.8	66.6	59.3	54.1	56.4	56.8	50.8	30.4
ΣX^2		535.87	697.75	493.18	437.72	350.25	299.51	325.82	312.18	244.42	94.68
CF		516.14	652.69	429.60	369.63	293.04	243.90	265.08	268.85	215.05	77.01
Σd^2		39.73	45.06	63.58	68.09	57.21	55.61	60.74	43.33	29.37	17.67
$S.D.^2$		3612	.4096	.5780	.6190	.5201	.5055	.5522	.3939	.2670	1.606
S.D		1.80	2.02	2.31	2.49	2.28	2.24	2.34	1.98	1.63	1.27
MEAN		6.56	7.38	5.98	5.55	4.94	4.51	4.70	4.73	4.23	2.5
-2 S.D.											

DUP040006072

MR-787
URINE VOLUME
MALE RATS
CONTROL GROUPS
I + Ia

	1	2	3	6	9	12	15	18	21	24
1	12	16	13	11	16	29	24	7	20	44
2	11	11	20	25	30	17	14	27	–	65
3	15	19	18	12	11	10	38	25	11	50
4	18	18	23	15	17	19	9	14	60	65
5	16	10	27	14	15	7	15	31	55	63
6	19	18	27	14	12	17	28	20	55	35
7	13	18	12	12	12	16	15	15	21	52
8	15	10	28	14	17	15	25	50	18	32
9	23	22	13	15	24	29	20	27	23	55
10	19	14	16	15	33	27	13	19	19	37
11	20	16	23	19	18	30	22	14	17	35
12	25	18	20	11	20	18	14	21	22	47
ΣX	206	190	240	177	225	234	237	270	321	580
ΣX^2	3740	3170	5162	2779	4757	5204	5405	7412	12599	29636
CF	3536	3008	4800	2611	4219	4563	4681	6075	9367	28033
Σd^2	204	162	362	168	538	641	724	1337	3232	1603
S.D.^{2}	18.5	14.7	32.9	15.3	48.9	58.27	65.81	121.5	323.2	145.7
S.D.	4.30	3.83	5.73	3.91	6.99	7.63	8.11	11.02	17.97	12.07
MEAN	17.2	15.8	20.0	14.8	18.8	19.5	19.8	22.5	26.8	48.3
±2 S.D.										

DUP040006073

MR-787
PROTEIN
MALE RATS
CONTROL GROUPS
I + Ia

			1	2	3	6	9	12	15	18	21
		1	18	7	7	4	3	870	12	15	44
		2	18	6	7	0	264	7	3	27	—
		3	15	10	7	7	3	16	610	215	48
		4	60	7	6	11	130	10	14	123	624
		5	16	9	9	9	5	8	12	25	363
		6	7	10	8	7	59	46	31	8	165
		7	16	17	11	10	53	13	194	42	193
		8	15	26	10	9	4	12	255	100	371
		9	17	10	8	138	310	23	13	70	78
		10	18	6	5	34	7	386	5	19	38
		11	16	8	8	40	3	786	167	14	27
		12	12	10	9	14	4	103	6	46	510
ΣX			228	126	95	283	845	2280	1322	704	2461
ΣX^2			6272	1680	783	22493	189119	1537728	504334	82334	995857
CF			4332	1323	752				145640	41301	550595
Σd^2			1940	357	31				358694	41033	445262
S.D.^{2}			1764	3245	281				32609	3730	44526
S.D.											
MEAN			14.7	10.5	7.9				110.2	58.6	205.1
−2S.D.											

DUP04006074

MR-787
OSMOLALITY
MALE RATS
CONTROL GROUPS
I + Ia

			1	2	3	6	9	12	15	18	21	24
		1	2080	-	2470	2210	2115	1150	1502	2111	2037	835
		2	2265	-	1820	1325	1500	1885	2317	760	-	430
		3	2215	-	1975	2405	2820	1905	815	620	545	690
		4	1810	-	2025	1870	2040	1870	2463	1015	590	375
		5	1975	-	1440	2125	2270	2850	2057	555	585	395
		6	1865	-	1715	1940	2690	2130	1281	780	520	805
		7	2150	-	2560	2445	2400	1960	2293	1055	1687	675
		8	2060	-	1220	1970	1955	2175	1342	285	1491	1224
		9	1385	-	2470	2340	1410	1465	1582	660	1403	435
		10	1665	-	2215	2200	1263	1215	2265	870	1643	825
		11	1430	-	1725	1920	1775	860	1340	1192	1884	810
		12	1615	-	1205	2635	1625	2035	1980	1060	1308	395
ΣX			22515		22840	25385	23863	21500	21237	10963	13693	7894
ΣX^2			43227475		47906150	55007025	50182769	41736550	40635059	12296185	20404347	5938676
CF			42243769		43472133	53699852	47453564	38530833	37584180	10015614	17045295	5192936
Σd^2			983706		2434017	1304173	2729205	3215717	3050879	2280571	3359052	745740
S.D.^{2}			89428		221274	118561	248109	292338	277353	207325	335905	67794
S.D.			299		470	344	498	541	527	455	580	260
MEAN			1876.3		1903.3	2115.4	1988.6	1791.7	1769.8	913.6	1141.1	657.8
-2 S.D.												

DUP04000675

MR-787
URINE & OT
MALE RATS
CONTROL GROUPS
I + Ia

		1	2	3	6	9	12	15	18	21	24
	1	28	11	25	19	22	25	22	-	55	45
	2	22	16	19	19	32	28	36	-	32	29
	3	22	16	32	55	25	106	45	-	36	-
	4	28	8	32	19	36	19	19	-	75	28
	5	19	16	25	28	19	19	-	-	40	68
	6	4	16	22	11	32	28	25	-	55	36
	7	60	8	36	25	32	16	28	-	49	25
	8	16	19	22	6	22	19	40	-	-	32
	9	22	14	28	25	28	16	32	-	28	28
	10	19	8	16	25	16	22	28	-	36	49
	11	14	49	19	28	14	28	25	-	14	32
	12	11	14	28	25	25	19	25	—	32	32
ΣX		265	195	304	285	303	345	325		452	404
ΣX^2		7931	4491	8108	8333	8183	16653	10233		21296	16452
CF		5852	3169	7701	6769	7651	9919	9602		18573	14838
Σd^2		2079	1322	407	1564	532	6734	631		2723	1614
S.D.^{2}		189.0	120.2	37.0	142.2	48.36	612.2	63.1		272.3	161.4
S.D		13.7	10.9	6.1	11.9	7.0	24.7	7.9		16.5	12.7
MEAN		22.1	16.3	25.3	23.8	25.3	28.8	27.1		37.7	36.7
-2 S.D.											

DUP040006076

MR-787
URINE δ AMINOLEVULINIC ACID
MALE RATS
CONTROL GROUPS
I + Iu

		1	2	3	6	9	12	15	18	21	24
	1	0.04	0.12	0.08	-	0.10	0.10	0.16	0.09	0.12	0.07
	2	.02	0.11	0.07	0.06	0.08	0.13	0.16	0.12	.06	0.09
	3	.04	0.06	0.02	0.04	0.05	0.05	0.11	0.08	.05	0.09
	4	.17	0.07	0.08	0.10	0.06	0.14	0.17	0.09	.05	0.07
	5	.02	0.08	0.04	0.09	0.06	0.06	0.19	0.08	.07	0.07
	6	.20	0.15	0.03	0.04	0.12	0.07	0.10	0.11	.05	0.15
	7	0.04	0.05	0.10	0.10	0.09	0.11	0.05	0.09	0.09	0.13
	8	.06	0.07	0.04	0.04	0.04	0.10	0.05	0.10	.07	0.04
	9	.03	0.06	0.07	0.06	0.07	0.12	0.38	0.08	.03	0.05
	10	.02	0.14	0.10	0.11	0.04	0.15	0.03	0.08	.05	0.12
	11	.06	0.09	0.11	0.06	0.07	0.10	0.14	0.07	.16	0.02
	12	.21	0.09	0.04	0.05	0.08	0.13	0.08	0.09	.10	0.08
ΣX		.91	1.09	.78	.75	.86	1.26	1.57	1.08	.90	0.93
ΣX^2		.1271	.1107	.0608	.0583	.0680	.1434	.3001	.0994	.0824	.0911
CF		.0690	.0990	.0507	.0511	.0616	.1323	.2054	.0972	.0675	.0721
Σd^2		.0581	.0117	.0101	.0072	.0064	.0111	.0947	.0022	.0149	.0190
$S.D.^2$		.0053	.00106	.00092	.00072	.00581	.00101	.00861	.00020	.00135	.00172
S.D.		0.073	0.032	0.030	0.027	0.024	0.032	0.093	0.014	0.037	0.041
MEAN		.0758	.0908	.065	.0625	.0716	.0105	.0131	.0900	.0750	0.077
-2 S.D											

DUP04006077

MR-787
FEMALE RATS
ERYTHROCYTE COUNT

GROUP		1	2	3	6	9	12	15	18	21	24		TOTALS
I CONTROL	N	6	6	6	6	6	5	6	6	6	6		59
	ΣX	38.76	42.56	37.48	41.52	38.68	35.32	34.80	36.32	36.44	31.24		373.12
	$\bar{X}$	6.46	7.09	6.25	6.92	6.45	7.06	5.80	6.05	6.07	5.21		6.32
Ia CONTROL	N	6	6	6	6	6	6	6	4	6	6		58
	ΣX	40.16	43.96	42.08	42.40	40.92	43.44	34.12	24.20	28.48	29.76		369.52
	$\bar{X}$	6.69	7.33	7.01	7.07	6.82	7.24	5.69	6.05	4.75	4.96		6.37
II 10 PPM	N	6	6	6	6	6	6	6	6	6	5		59
	ΣX	42.84	38.84	41.04	41.28	40.08	37.32	32.36	35.16	31.52	27.52		367.96
	$\bar{X}$	7.14	6.47	6.84	6.88	6.68	6.22	5.39	5.86	5.25	5.50		6.13
III 50 PPM	N	6	6	6	6	6	6	5	6	6	6		59
	ΣX	41.64	38.12	42.64	42.68	38.40	44.20	31.26	38.20	33.68	34.00		384.82
	$\bar{X}$	6.94	6.35	7.11	7.11	6.40	7.37	6.25	6.37	5.61	5.67		6.41
IV 100 PPM	N	6	6	6	6	6	6	6	6	6	6		60
	ΣX	42.24	37.60	40.36	43.16	39.04	41.12	32.96	36.24	35.88	25.08		373.68
	$\bar{X}$	7.04	6.27	6.73	7.19	6.51	6.85	5.49	6.04	5.98	4.18		6.23
V 500 PPM	N	6	6	6	6	6	6	6	6	6	6		60
	ΣX	44.04	41.92	39.56	42.64	37.64	43.08	33.32	35.88	34.52	29.76		382.36
	$\bar{X}$	7.34	6.99	6.59	7.11	6.27	7.18	5.55	5.98	5.75	4.96		6.37

6.347

DUP040006078

MR-787
FEMALE RATS
HEMOGLOBIN

GROUP		1	2	3	6	9	12	15	18	21	24		TOTALS	
I CONTROL	N	6	6	6	6	6	5	6	6	6	6		59	
	ΣX	88.8	96.7	93.1	93.5	91.2	79.4	87.9	95.8	93.6	84.7		9047	15.166
	$\bar{X}$	14.8	16.1	15.5	15.6	1.52 15.2	15.9	14.7	16.0	15.6	14.1		15.334	
II CONTROL	N	6	6	6	6	6	6	6	5	6	6		59	
	ΣX	90.2	96.8	94.3	95.0	90.4	92.9	91.3	77.3	74.3	82.4		8849	
	$\bar{X}$	15.0	16.1	15.7	15.8	15.1	15.5	15.2	15.5	12.4	13.7		14.998	
III 10 PPM	N	6	6	6	6	5	6	6	6	6	5		58	
	ΣX	95.2	91.8	95.7	95.5	75.1	92.9	91.8	93.9	81.7	68.8		8824	
	$\bar{X}$	15.9	15.3	16.0	15.9	15.0	15.5	15.3	15.7	13.6	13.8		15.214	
IV 50 PPM	N	6	6	6	6	6	6	5	6	6	6		59	
	ΣX	94.1	96.1	96.7	98.7	88.1	98.2	78.1	93.3	86.0	86.9		9170	
	$\bar{X}$	15.7	16.0	16.1	16.5	14.7	16.4	15.6	15.6	14.5	14.5		15.542	
V 100 PPM	N	6	6	6	6	6	6	6	6	6	6		60	
	ΣX	95.0	95.4	93.1	98.3	88.2	92.5	90.4	95.4	91.0	69.8		9091	
	$\bar{X}$	15.8	15.9	15.5	16.4	14.7	15.4	15.1	15.9	15.2	11.6		15.152	
VI 500PPM	N	6	6	6	6	6	6	6	6	6	6		59	
	ΣX	98.3	96.9	93.9	94.2	88.9	93.8	93.5	92.2	86.8	72.6		9111	
	$\bar{X}$	16.4	16.2	15.7	15.7	14.8	15.7	15.6	15.4	14.5	12.1		15.442	15.18

DUP040006079

MR-787
FEMALE RATS
HEMATOCRIT

GROUP		1	2	3	6	9	12	15	18	21	24		TOTALS
I CONTROL	N	6	6	6	6	6	6	6	6	6	6		59
	ΣX	230	270	255	266	262	283	257	269	256	241		2533
	$\bar{X}$	38	46	43	44	44	45	43	45	43	40		42.932
Ia CONTROL	N	6	6	6	6	6	6	6	6	6	6		60
	ΣX	235	259	246	264	262	253	254	256	201	232		2462
	$\bar{X}$	39	43	41	44	44	42	42	43	34	39		41.033
II 10 PPM	N	6	6	6	6	6	6	6	6	6	5		59
	ΣX	239	243	246	271	267	266	243	266	224	195		2460
	$\bar{X}$	40	41	41	45	45	44	41	44	37	39		41.695
III 50 PPM	N	6	6	6	6	6	6	5	6	6	6		59
	ΣX	233	238	244	276	263	267	210	255	227	242		2455
	$\bar{X}$	39	40	41	46	44	45	42	43	38	40		41.610
IV 100 PPM	N	6	6	6	6	6	6	6	6	6	6		60
	ΣX	226	245	248	271	262	259	254	268	244	204		2481
	$\bar{X}$	38	41	41	45	44	43	42	45	41	34		41.350
V 600 PPM	N	6	6	6	6	6	6	6	6	6	6		60
	ΣX	235	259	246	274	258	260	264	263	244	212		2515
	$\bar{X}$	39	43	41	46	43	43	44	44	41	35		41.917

41.975

DUP040006080

MR-787
FEMALE RATS
LEUKOCYTES

Group		1	2	3	6	9	12	15	18	21	24		Totals
I	N	6	6	6	6	6	5	6	6		6		53
Control	ΣX	73.3	78.0	63.5	57.2	58.3	43.0	55.6	48.8		72.3		550.0
	$\bar{X}$	12.2	13.0	10.6	9.5	9.7	8.6	9.3	8.1		12.1		10.377
Ia	N	6	6	6	6	6	6	6	4		6		52
Control	ΣX	79.5	86.3	66.1	56.7	56.2	51.7	55.9	32.2		81.2		565.8
	$\bar{X}$	13.3	14.4	11.0	9.5	9.4	8.6	9.3	8.1		13.5		10.881
II	N	6	6	6	6	6	6	6	6		5		53
10 PPM	ΣX	81.4	78.8	76.8	64.8	51.4	63.3	70.5	50.5		76.3		613.8
	$\bar{X}$	13.6	13.1	12.8	10.8	8.6	10.6	11.8	8.4		15.3		11.518
III	N	6	6	6	6	6	6	5	6		6		53
50 PPM	ΣX	87.5	79.5	71.8	80.5	58.0	59.2	49.8	57.7		106.4		650.4
	$\bar{X}$	14.6	13.3	(12.0)	13.4	9.7	(9.9)	10.0	9.6		17.7		12.272
IV	N	6	6	6	6	6	6	6	6	6	6		60
100 PPM	ΣX	106.4	90.7	65.4	50.4	63.9	74.1	59.7	57.8	63.8	89.8		722.0
	$\bar{X}$	17.7	15.1	10.9	8.4	10.7	12.4	10.0	9.6	10.6	15.0		12.033
V	N	6	6	6	6	6	6	6	6	6	6		60
500 PPM	ΣX	87.8	78.9	71.7	63.6	62.4	56.8	49.0	57.6	67.4	92.1		687.3
	$\bar{X}$	14.6	13.2	(12.0)	10.6	10.4	9.5	8.2	9.6	11.2	15.4		11.455

10.6267

DUP040006981

MR-787
FEMALE RATS
SEGMENTED NEUTROPHILS

GROUP		1	2	3	6	9	12	15	18	21	24		Totals
I	N	6	6	6	6	6	5	6	6	6	6		59
CONTROL	ΣX	106	126	66	98	168	106	193	187	237	286		1573
	X̄	17.7	21.0	11.0	16.3	28.0	21.2	32.2	31.2	39.5	47.7		26.661
Ia	N	6	6	6	6	6	6	6	6	6	6		60
CONTROL	ΣX	102	140	120	135	174	117	213	230	296	296		1823
	X̄	17.0	23.3	20.0	22.5	29.0	19.5	35.5	38.3	49.3	49.3		30.383
II	N	6	6	6	6	6	6	6	6	6	5		59
10 PPM	ΣX	73	144	112	118	135	202	215	212	228	230		1669
	X̄	12.2	24.0	18.7	19.7	22.5	33.7	35.8	35.3	38	46.0		28.288
III	N	6	6	6	6	6	6	5	6	6	6		59
50 PPM	ΣX	81	139	125	153	184	159	131	312	269	257		1810
	X̄	14.6	23.2	20.8	25.5	30.7	26.5	26.2	52.0	44.8	42.8		30.678
IV	N	6	6	6	6	6	6	6	6	6	6		60
100 PPM	ΣX	80	116	133	157	151	155	195	292	248	287		1814
	X̄	13.3	19.3	22.2	26.2	25.2	25.8	32.5	48.7	41.3	47.8		30.233
V	N	6	6	6	6	6	6	6	6	6	6		60
500 PPM	ΣX	82	134	154	192	222	147	181	223	201	314		1850
	X̄	13.7	22.3	25.7	32.0	37.0	24.5	30.2	37.2	33.5	52.3		30.833

28.538

DUP040006082

MR-787

FEMALE RATS

JUVENILE NEUTROPHILS

GROUP		1	2	3	6	9	12	15	18	21	24		Totals
I	N	6	6	6	6	6	5	6	6	6	6		59
	ΣX	3	2	1	1	16	11	11	8	8	16		77
CONTROL	$\bar{X}$	0.5	0.3	0.2	0.2	2.7	2.2	1.8	1.3	1.3	2.7		1.305
Ia	N	6	6	6	6	6	6	6	6	6	6		60
	ΣX	0	0	1	8	11	11	11	3	6	24		80
CONTROL	$\bar{X}$	0	0	0.2	1.3	1.8	2.2	1.8	0.5	1.0	4.0		1.333
II	N	6	6	6	6	6	6	6	6	6	5		59
	ΣX	0	0	0	11	6	19	7	9	3	17		72
10 PPM	$\bar{X}$	0	0	0	1.8	1.0	3.2	1.2	1.5	0.5	3.4		1.220
III	N	6	6	6	6	6	6	5	6	6	6		59
	ΣX	0	0	2	9	10	25	6	11	12	20		96
50 PPM	$\bar{X}$	0	0	0.3	1.5	1.7	4.2	1.2	1.8	2.0	3.3		1.627
IV	N	6	6	6	6	6	6	6	6	6	6		60
	ΣX	3	0	0	11	4	24	6	13	12	22		95
100 PPM	$\bar{X}$	0.5	0	0	1.8	0.7	4.	1.	2.2	2.0	3.7		1.583
V	N	6	6	6	6	6	6	6	6	6	6		60
	ΣX	0	1	2	10	10	8	11	17	17	17		93
500 PPM	$\bar{X}$	0	0.2	0.3	1.7	1.7	1.3	1.8	2.8	2.8	2.8		1.550

1.3193

DUP040006083

MR-787
FEMALE RATS

MYELOCYTES

Group		1	2	3	6	9	12	15	18	21	24		Totals
I	N	6	6	6	6	6	5	6	6	6	6		59
Control	ΣX	0	0	0	0	1	1	1	0	0	4		7
	X̄	0	0	0	0	0.2	0.2	0.2	0	0	(0.7)		.1186
Ia	N	6	6	6	6	6	6	6	6	6	6		60
Control	ΣX	0	0	0	0	0	1	0	0	0	4		5
	X̄	0	0	0	0	0	0.2	0	0	0	0.7		.083
II	N	6	6	6	6	6	6	6	6	6	5		59
10 PPM	ΣX	0	0	2	0	0	2	0	0	1	2		7
	X̄	0	0	0.3	0	0	0.3	0	0	0.2	(0.4)		.1186
III	N	6	6	6	6	6	6	5	6	6	6		59
50 PPM	ΣX	0	0	1	1	0	0	0	1	1	2		5
	X̄	0	0	0.2	0.2	0	0	0	0	0.2	(.3)		.0847
IV	N	6	6	6	6	6	6	6	6	6	6		60
100 PPM	ΣX	0	0	2	2	0	1	0	0	0	2		7
	X̄	0	0	0.3	0.3	0	0.2	0	0	0	(.3)		.1167
V	N	6	6	6	6	6	6	6	6	6	6		60
500 PPM	ΣX	0	1	0	0	0	0	1	0	3	1		6
	X̄	0	0.2	0	0	0	0	0.2	0	0.5	0.2		.100

.1008

DUP040006884

MR-787
FEMALE RATS

LYMPHOCYTES

Group		1	2	3	6	9	12	15	18	21	24		Totals
I	N	6	6	6	6	6	5	6	6	6	6		59
Control	ΣX	463	471	515	466	370	356	354	368	316	267		3945
	X̄	77.2	78.3	85.8	77.7	61.7	71.2	59.0	61.3	52.7	44.5		66.864
Ia	N	6	6	6	6	6	6	6	6	6	6		60
Control	ΣX	465	471	444	418	374	429	325	339	269	235		3769
	X̄	77.5	78.5	74.0	69.7	62.3	71.5	54.2	56.5	44.8	39.2		62.817
II	N	6	6	6	6	6	6	6	6	6	5		59
10 ppm	ΣX	504	387	439	439	432	354	330	338	342	220		3785
	X̄	84.0	64.5	73.2	73.2	72.0	59.0	55.0	56.3	57.0	44		64.153
III	N	6	6	6	6	6	6	5	6	6	6		59
50 ppm	ΣX	488	449	435	384	375	363	323	241	281	283		3622
	X̄	81.3	74.8	72.5	64	62.5	60.5	64.6	40.2	46.8	47.2		61.390
IV	N	6	6	6	6	6	6	6	6	6	6		60
100 ppm	ΣX	499	443	432	383	418	369	357	260	297	258		3716
	X̄	83.2	73.8	72.0	63.8	69.7	61.5	59.5	43.3	49.5	43.0		61.933
V	N	6	6	6	6	6	6	6	6	6	6		60
600 ppm	ΣX	511	476	419	347	338	394	361	292	335	212		3685
	X̄	85.2	79.3	69.8	57.8	56.3	65.7	60.2	48.7	55.8	35.3		61.417

64.8235

DUP040006085

MR-787
FEMALE RATS

EOSINOPHILS

Group		1	2	3	6	9	12	15	18	21	24		Totals
I	N	6	6	6	6	6	5	6	6	6	6		59
CONTROL	ΣX	8	22	8	23	27	14	24	14	23	9		172
	X̄	1.3	3.7	1.3	3.8	4.5	2.8	4.0	2.3	3.8	1.5		2.915
Ia	N	6	6	6	6	6	6	6		6	6		60
CONTROL	ΣX	12	21	23	24	22	21	22		17	20		202
	X̄	2.0	3.5	3.8	4.0	3.7	3.5	3.7	3.3	2.8	3.3		3.367
II	N	6	6	6	6	6	6	6		6	5		59
10 PPM	ΣX	6	10	23	13	17	15	23		16	15		151
	X̄	1.0	1.7	3.8	2.2	2.8	2.5	3.8		2.7	3.0		2.644
III	N	6	6	6	6	6	6	5	6	6	6		59
50 PPM	ΣX	11	8	16	26	19	17	19	21	19	13		169
	X̄	1.8	1.3	2.7	4.3	3.2	2.8	3.8	3.5	3.8	2.2,		2.864
IV	N	6	6	6	6	6	6	6	6	6	6		60
100 PPM	ΣX	3	10	12	13	21	22	19	19	24	10		153
	X̄	0.5	1.7	2.0	2.2	3.5	3.7	3.2	3.2	4	1.7		2.550
V	N	6	6	6	6	6	6	7	5	6	6		60
500PPM	ΣX	4	12	7	18	11	15	28	30	17	14		160
	X̄	0.7	2.0	1.2	3.0	1.8	2.5	4.7	5.7	2.8	2.3		2.667

3.14286

DUP040006086

MR-787
FEMALE RATS

MONOCYTES

GROUP		1	2	3	6	9	12	15	18	21	24		Totals
I	N	6	6	6	6	6	5	6	6	6	6		59
CONTROL	ΣX	15	15	10	9	16	8	13	20	13	13		132
	$\bar{X}$	2.5	2.5	1.7	1.5	2.7	1.6	2.2	3.3	2.2	2.2		2.237
Ia	N	6	6	6	6	6	6	6	6	6	5		60
CONTROL	ΣX	15	23	11	11	9	13	20	4	7	17		130
	$\bar{X}$	2.5	3.8	1.8	1.8	1.5	2.2	3.3	0.3	1.2	2.8		2.167
II	N	6	6	6	6	6	6	6	6	6	5		59
10 PPM	ΣX	15	27	19	11	7	7	18	15	9	10		140
	$\bar{X}$	2.5	4.8	3.2	1.8	1.2	1.2	3	2.5	1.5	2.0		2.373
III	N	6	6	6	6	6	6	5	6	6	6		59
50 PPM	ΣX	16	19	16	18	4	30	13	14	13	16		159
	$\bar{X}$	2.7	3.2	2.7	3	0.7	5.0	2.6	2.3	2.2	2.7		2.695
IV	N	6	6	6	6	6	6	6	6	6	6		60
100 PPM	ΣX	15	10	18	22	5	23	17	12	15	13		150
	$\bar{X}$	2.5	1.7	3.0	3.7	0.8	3.8	2.8	2.0	2.5	2.2		2.500
V	N	6	6	6	6	6	6	6	6	6	6		60
500 PPM	ΣX	8	11	18	21	12	25	14	17	19	8		153
	$\bar{X}$	1.3	1.8	3.0	3.5	2.0	4.2	2.3	3.7	3.2	1.3		2.550

2.2017

DUP040000087

MR-787
FEMALE RATS

BASOPHILS

GROUP		1	2	3	6	9	12	15	18	21	24		
I	N	6	6	6	6	6	6	6	6	6	6		60
CONTROL	ΣX	5	3	0	1	1	0	0	0	1	0		11
	$\bar{X}$	0.8	0.5	0	0.2	0.2	0	0	0	0.2	0		.183
Ia	N	6	6	6	6	6	6	6	6	6	6		60
CONTROL	ΣX	5	1	1	2	0	0	3	2	1	0		15
	$\bar{X}$	0.8	0.2	0.2	0.3	0	0	0.5	0.3	0.2	0		.250
II	N	6	6	6	6	6	6	6	6	6	5		59
10 PPM	ΣX	1	0	3	2	0	0	1	1	0	0		8
	$\bar{X}$	0.2	0	0.5	0.3	0	0	0.2	0.2	0	0		.136
III	N	6	6	6	6	6	6	5	6	6	6		59
50 PPM	ΣX	3	0	2	5	2	0	0	0	0	2		14
	$\bar{X}$	0.5	0	0.3	0.8	0.3	0	0	0	0	0.3		.237
IV	N	6	6	6	6	6	6	6	6	6	6		60
100 PPM	ΣX	0	6	4	1	0	0	0	0	3	2		10
	$\bar{X}$	0	0	0.7	0.2	0	0	0	0	0.5	0.3		.167
V	N	6	6	6	6	6	6	6	6	6	6		60
500 PPM	ΣX	0	3	0	1	1	0	1	0	5	0		11
	$\bar{X}$	0	0.5	0	0.2	0.2	0	0.2	0	0.8	0		.183

.2167

DUP04006088

ME-787
FEMALE RATS

ATYPICAL CELLS

GROUP		1	2	3	6	9	12	15	18	21	24		Totals
I	N	6	6	[illegible]	6	6	[illegible]	6	6	6	6		59
CONTROL	ΣX	0	[illegible]	[illegible]	2	1	4	4	[illegible]	2	[illegible]		21
	X̄	0	0	[illegible]	0.3	0.2	0.8	0.7	[illegible]	0.3	[illegible]		.3559
Ia	N	6	6	[illegible]	[illegible]	6	6	[illegible]	[illegible]	6	[illegible]		60
CONTROL	ΣX	1	[illegible]	[illegible]	[illegible]	10	3	7	2	4	4		33
	X̄	0.2	[illegible]	[illegible]	[illegible]	1.7	[illegible]	1.2	[illegible]	0.7	0.7		.5500
II	N	6	6	6	6	6	6	6	6	6	5		59
10 PPM	ΣX	1	1	2	6	3	1	6	2	1	6		33
	X̄	0.2	[illegible]	[illegible]	1.	0.5	0.2	1.	1.3	.2	1.2		.5593
III	N	6	6	[illegible]	6	6	[illegible]	5	6	6	6		59
50 PPM	ΣX	1	0	[illegible]	3	6	[illegible]	8	1	5	[illegible]		40
	X̄	0.2	0	[illegible]	.5	1.0	[illegible]	1.6	[illegible]	.8	[illegible]		.6780
IV	N	6	6	6	6	[illegible]	6	6	[illegible]	6	6		60
100 PPM	ΣX	0	[illegible]	0	4	[illegible]	6	6	[illegible]	1	[illegible]		29
	X̄	0	[illegible]	0	.7	[illegible]	1	1.0	[illegible]	.2	[illegible]		.4833
V	N	6	6	[illegible]	6	6	[illegible]	6	[illegible]	6	6		60
500 PPM	ΣX	0	1	[illegible]	11	6	[illegible]	[illegible]	[illegible]	3	6		53
	X̄	0	0.2	[illegible]	1.8	1.0	[illegible]	[illegible]	[illegible]	.5	[illegible]		.8833

.45378

DUP040006089

MR-787
FEMALE RATS

NUCLEATED RBC's

GROUP		1	2	3	6	9	12	15	18	21	24		Totals
I	N	6	6	6	6	6	5	6	6	6	6		59
CONTROL	ΣX	0	0	0	0	0	0	0	0	0	1		1
	X̄	0	0	0	0	0	0	0	0	0	0.2		.01695
Ia	N	6	6	6	6	6	6	6	6	6	6		60
CONTROL	ΣX	0	0	1	0	0	1	1	1	1	2		7
	X̄	0	0	0.2	0	0	0.2	0.2	0.2	0.2	0.3		.1167
II	N	6	6	6	6	6	6	6	6	6	5		59
10 PPM	ΣX	0	0	0	1	1	0	1	0	2	0		10
	X̄	0	0	0	0.2	0.2	0	0.2	0	1.2	0		.1695
III	N	6	6	6	6	6	6	5	6	6	6		59
50 PPM	ΣX	0	0	0	0	0	0	1	1	0	2		4
	X̄	0	0	0	0	0	0	0.2	0.2	0	0.3		.0680
IV	N	6	6	6	6	6	6	6	6	6	6		60
100 PPM	ΣX	0	1	0	0	1	1	0	1	6	6		16
	X̄	0	0.2	0	0	0.2	0.2	0	0.2	1.0	1.0		.2667
V	N	6	6	6	6	6	6	6	6	6	6		60
500 PPM	ΣX	0	0	0	1	2	0	1	3	3	5		18
	X̄	0	0	0	0.2	0.3	0	0.2	0.5	0.5	0.8		.3000

.06723

DUP040006090

MR-787
FEMALE RATS

STIPPLED CELLS

GROUP		1	2	3	6	9	12	15	18	21	24		Totals
I	N	6	6	6	6	6	5	6	6	6	6		59
CONTROL	ΣX	0	0	6	0	0	0	1	0	0	0		1
	X̄	0	0	0	0	0	0	0.2	0	0	0		.017
Ia	N	6	6	6	6	6	6	6	6	6	6		60
CONTROL	ΣX	1	2	0	0	0	0	0	1	1	0		6
	X̄	0.2	0.3	0	0	0	0	0	0.2	0.2	0		.100
II	N	6	6	6	6	6	6	6	6	6	5		59
10 PPM	ΣX	0	1	0	1	2	1	1	5	0	1		12
	X̄	0	0.2	0	0.2	0.3	0.2	0.2	0.8	0	0.2		.203
III	N	6	6	6	6	6	6	5	6	5	6		59
50 PPM	ΣX	3	0	0	6	2	6	2	2	2	2		25
	X̄	0.5	0	0	1.0	0.3	1	0.4	0.3	0.3	0.3		.424
IB	N	6	6	6	6	6	6	6	6	6	6		60
100 PPM	ΣX	6	1	2	5	2	5	2	0	1	1		25
	X̄	1.0	0.2	0.3	0.8	0.3	0.8	0.3	0	0.2	0.2		.417
V	N	6	6	6	6	6	6	6	6	6	6		60
600 PPM	ΣX	24	10	13	17	25	18	11	14	4	20		156
	X̄	4.0	1.7	2.2	2.8	4.2	3.0	1.8	2.3	0.7	3.3		2.600
		36	36	36	36	36	35	35	36	36	35		
		34	15	15	29	29	30	17	22	8	24		
		0.94	0.42	0.42	0.81	0.81	0.86	0.49	0.61	0.22	0.69		
MALE+FEMALE		0.83	0.42	0.58	0.50	0.61	0.73	0.45	0.50	0.24	0.54		

.0588

DUP04006091

MR-787
FEMALE RATS
ALA

GROUP		1	2	3	6	9	12	15	18	21	24		Totals	
I	N	6	6	6	6	6	6	6	6	6	6		60	
CONTROL	ΣX	0.60	0.31	0.38	0.21	0.32	0.31	0.09	0.20	0.37	0.24		3.03	
	X̄	0.10	0.05	0.06	0.04	0.05	0.05	0.02	0.03	0.06	0.04		0.05	0.0564
Ia	N	6	6	6	4	6	6	6	6	6	6		58	
CONTROL	ΣX	0.66	0.46	0.33	0.27	0.41	0.21	0.50	0.15	0.33	0.25		3.52	
	X̄	0.11	0.08	0.06	0.06	0.07	0.04	0.08	0.03	0.06	0.04		0.06	
II	N	6	6	6	5	6	6	6	6	6	6		59	
10 PPM	ΣX	0.55	0.40	0.49	0.25	0.33	0.24	0.48	0.14	0.28	0.35		3.51	
	X̄	0.09	0.07	0.08	0.05	0.06	0.04	0.08	0.02	0.05	0.06		0.06	0.0594
III	N	6	6	6	5	6	6	6	6	6	6		59	
50 PPM	ΣX	0.51	0.43	0.36	0.31	0.37	0.21	0.29	0.16	0.25	0.42		3.31	
	X̄	0.09	0.07	0.06	0.06	0.06	0.04	0.05	0.03	0.04	0.07		0.06	0.0561
IV	N	6	6	6	6	6	6	6	6	6	6		60	
100 PPM	ΣX	0.53	0.44	0.53	0.23	0.39	0.31	0.30	0.23	0.44	0.46		3.86	
	X̄	0.09	0.07	0.09	0.04	0.07	0.05	0.05	0.04	0.07	0.08		0.06	
V	N	6	6	6	5	6	6	6	6	6	6		59	
500 PPM	ΣX	1.67	0.79	0.95	0.37	0.76	0.63	0.48	0.40	0.86	1.01		7.92	
	X̄	0.28	0.13	0.16	0.07	0.13	0.11	0.08	0.07	0.14	0.17		1.34	
		36	36	36	31	36	36	36	36	36	36			
		4.52	2.83	3.04	1.59	2.58	1.91	2.14	1.28	2.53	2.73			
		0.125	0.079	0.084	0.051	0.072	0.053	0.059	0.036	0.070	0.075			
MALE+FEMALE		0.113	0.099	0.092	0.072	0.079	0.087	0.105	0.067	0.074	0.082			

DUP04006092

		1	3	5	6	9	12	15	18	21	24		Total/s
I CONTROL	N	1	1	1	1	1	1	1	[illegible]	6	6		[illegible]
	Σ X	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	15.2	[illegible]		[illegible]
	X̄	4.3	5.4	5.4	4.5	3.1	3.6	3.3	[illegible]	2.5	3.7		4.845
Ia CONTROL	N	6	6	6	6	6	6	6	6	6	6		60
	Σ X	51.6	39.4	28.9	20.7	19.9	26.7	24.5	15.9	18.7	17.5		[illegible]
	X̄	8.6	6.6	4.8	3.5	3.3	4.5	4.1	2.6	3.1	2.9		4.393
II 10 PPM	N	6	6	6	6	6	6	6	6	6	6		60
	Σ X	40.0	26.5	33.0	29.4	21.4	24.2	25.2	21.3	20.9	25.6		[illegible]
	X̄	6.7	4.4	5.5	4.9	3.6	4.0	4.2	[illegible]	3.5	4.3		4.458
III 50 PPM	N	6	6	6	6	6	6	5	6	6	6		[illegible]
	Σ X	46.6	20.9	27.7	19.7	17.9	15.4	18.2	23.3	18.7	22.5		2309
	X̄	7.8	[illegible]	4.6	3.3	3.0	2.6	3.6	3.9	3.1	3.8		3.914
IV 100 PPM	N	6	6	6	6	6	6	6	6	6	6		60
	Σ X	50.3	41.3	29.8	20.2	14.0	[illegible]	19.7	17.1	13.4	13.3		2362
	X̄	8.4	6.9	5.0	3.4	2.4	2.8	3.3	[illegible]	[illegible]	[illegible]		3.937
V 500 PPM	N	6	6	6	6	6	6	6	6	6	6		60
	Σ X	37.3	[illegible]	25.2	18.9	[illegible]	19.2	[illegible]	12.9	14.4	14.1		[illegible]
	X̄	6.2	4.6	4.2	3.2	[illegible]	3.2	3.1	2.2	[illegible]	2.1		3.378

4.319

DUP040006093

MP-787
[illegible]
QPT

Group		1	2	3	6	9	12	15	18	21	24		Totals
I Control	N	6	6	6	6	6	6	6	6	6	6		60
	ΣX	174	120	84	102	156	123	115	177	146	159		1356
	X	29	20	14	17	26	21	19	30	24	27		23
Ia Control	N	6	6	6	6	6	6	6	6	6	6		60
	ΣX	150	138	102	121	126	109	119	258	174	148		1443
	X	25	23	17	20	21	18	20	43	29	25		24.050
II 10 PPM	N	-											
	ΣX												
	X												
III 50 PPM	N	-											
	ΣX												
	X												
IV 100 PPM	N	-											
	ΣX												
	X												
V 500 PPM	N	6	6	6	6	6	6	6	6	6	6		60
	ΣX	132	126	162	96	204	115	168	285	173	126		1587
	X	22	21	27	16	34	19	28	48	29	21		26.450

23.3R5

DUP040006994

MR-787
FEMALE RATS
URINE Volume

GROUP		1	2	3	6	9	12	15	18	21	24		Totals
I CONTROL	N	6	6	6	6	6	5	6	6	6	6		59
	ΣX	86	79	76	92	89	96	151	94	162	177		1102
	$\bar{X}$	14	13	13	15	15	19	25	16	27	30		18.678
Ia CONTROL	N	6	6	6	6	6	6	6	6	6	6		60
	ΣX	80	73	64	66	108	134	116	81	201	142		1065
	$\bar{X}$	13	12	11	11	18	22	19	14	34	24		17.750
II 10 PPM	N	6	6	6	6	6	6	6	6	6	6		60
	ΣX	99	91	70	76	80	120	130	53	120	144		983
	$\bar{X}$	17	15	12	13	13	20	22	9	20	24		16.383
III 50 PPM	N	6	6	6	6	6	6	6	6	6	6		60
	ΣX	86	80	77	97	114	121	114	75	159	196		1119
	$\bar{X}$	14	13	13	16	19	20	19	13	27	33		18.650
IV 100 PPM	N	6	6	6	6	6	6	6	6	6	6		60
	ΣX	95	89	90	94	129	128	171	88	172	155		1211
	$\bar{X}$	16	15	15	16	22	21	29	15	29	26		20.183
V 500 PPM	N	6	6	6	6	6	6	6	6	6	6		60
	ΣX	78	90	71	81	114	123	128	87	118	197		1087
	$\bar{X}$	13	15	(12)	14	19	21	21	15	20	33		18.117

18.210

DUP040096095

MR-787
FEMALE RATS
OSMOLALITY

GROUP		1	2	3	6	9	12	15	18	21	24		Total
I CONTROL	N	6		6	6	6	5	6	6	6	6		53
	ΣX	10045		11515	9598	9498	8425	8704	11500	5545	5115		72945
	X̄	1674		1919	1600	1583	1685	1451	1150	924	853		1376,321
Ia CONTROL	N	6		6	6	6	6	6	6	6	6		54
	ΣX	10585		13010	11738	8455	7795	9655	4785	6209	7283		76515
	X̄	1764		2168	1956	1409	1299	1609	798	1035	1214		1416.944
II 10 PPM	N	6		6	5	6	6	6	6	6	6		54
	ΣX	9195		12755	7520	10489	8445	7989	5390	8460	7137		77380
	X̄	1533		2126	1604	1748	1408	1332	898	1410	1190		1432.963
III 50 PPM	N	6		6	6	6	6	6	6	6	6		54
	ΣX	9565		11370	9723	9235	8160	9359	5175	5883	3890		72360
	X̄	1594		1895	1621	1539	1360	1560	863	981	648		1340.000
IV 100 PPM	N	6		6	6	6	6	6	6	6	6		54
	ΣX	10030		11285	10590	7793	9165	6639	5054	6217	6330		72103
	X̄	1672		1714	1765	1299	1528	1107	842	1036	1055		1335,241
V 500 PPM	N	6		6	6	6	6	6	6	6	6		54
	ΣX	10965		12030	11898	8671	8765	8990	4480	7734	5737		79272
	X̄	1828		2005	1983	1445	1461	1498	747	1289	957		1468,600

1396.8

DUP040096096

MB-787
FEMALE RATS
PROTEIN

GROUP		1	2	3	6	9	12	15	18	21	24		Total
I	N	6	6	6	6	6	5	6	6	6	6		59
CONTROL	ΣX	40	17	5	9.6	14	33	113	210	561	632		1634.6
	X̄	7	3	1	1.6	2.3	6.6	19	35	94	105		27.705
Ia	N	6	6	6	6	6	6	6	6	6	6		60
CONTROL	ΣX	23	10	8	87.4	85	124	124	37	162	151		811.4
	X̄	4	2	1	14.6	14	20.7	21	6	27	25		13.523
II	N	6	6	6	6	6	6	6	6	6	6		60
10 PPM	ΣX	13	14	6	9	200	67	832	142	274	104		1481
	X̄	2	2	1	1.5	3.3	11.2	139	24	46	17		24.683
III	N	6	6	6	6	6	6	6	6	6	6		60
50 PPM	ΣX	13	8	16	18.1	71	18	26	441	394	485		1490.1
	X̄	2	1	3	3	12	3	4	74	66	81		24.835
IV	N	6	6	6	6	6	6	6	6	6	6		60
100 PPM	ΣX	31	7	3	12	321	1073	650	151	441	184		2873
	X̄	5	1	1	2	54	178.8	108	25	74	31		47.883
V	N	6	6	6	6	6	6	6	6	6	6		60
500 PPM	ΣX	23	9	5	14.2	88.6	26	41	94	166	501		967.8
	X̄	4	2	1	2	15	4.3	7	16	28	84		16.130

20.555

DUP040006097

MR-787
FEMALE RATS
UGOT

Group		1	2	3	6	9	12	15	18	21	24		Totals
I	N	6	6	6	6	5		6	-	6	-		41
Control	ΣX	124	100	121	98	93		104		190			830
	X̄	21	17	20	16	19		17		32			20.244
Ia	N	6	6	6	6	6		6	-	6			42
Control	ΣX	136	96	133	110	145		128		199			947
	X̄	23	16	22	18	24		21		33			22.548
II	N	6	6	6	6	6		6	-	6			42
10 PPM	ΣX	105	99	103	81	113		145		256			902
	X̄	18	17	17	14	19		24		43			21.476
III	N	6	6	6	6	6		6	-	6			42
50 PPM	ΣX	124	104	113	129	118		114		194			896
	X̄	21	17	19	22	20		19		32			21.333
IV	N	6	6	6	6	6		6	-	6			42
100 PPM	ΣX	104	93	115	24	159		118		189			802
	X̄	17	16	19	4	27		20		32			19.095
V	N	6	6	6	5	6		6	-	6			41
600 PPM	ΣX	147	123	140	68	130		141		167			916
	X̄	25	21	23	14	22		24		28			22.341

21.410

DUP040006098

NINETY DAY FEEDING TEST
LEAD ACETATE

MALE

		months					months				
		10	1	2	3		0	1	2	3	
ERYTHROCYTES	0	6.24	~~11.1~~	6.47	6.34	6.35		5.57	5.33	5.86	5.57
	1000	6.11	~~13.6~~	6.39	6.95	6.48		5.58	5.89	6.07	5.85
	2000	5.87	~~11.1~~	6.60	6.83	6.43		5.76	5.71	6.34	5.94
HEMOGLOBIN	0		15.7	17.8	16.4	16.6		14.9	15.7	15.8	15.5
	1000		14.5	16.8	15.9	15.7		14.8	15.6	15.3	15.2
	2000		14.5	13.9	15.9	14.8		15.5	15.5	15.9	15.6
HEMATOCRIT	0		47	47	47	47		44	42	44	43
	1000		43	46	47	45		44	42	44	43
	2000		43	41	47	44		44	40	45	43
LEUCOCYTES	0		14.1	12.9	12.6	13.2		11.8	11.5	12.9	12.1
	1000		13.5	14.4	10.2	12.7		10.0	11.0	10.0	10.3
	2000		11.1	13.1	9.0	11.1		11.4	10.9	11.8	11.4
STIPPLED RBC's	0		0	0	0	0		0.2	0.3	0	0.2
	1000		5.3	4.5	1.7	3.8		12.0	6.8	4.3	7.7
	2000		6.5	10.7	3.8	7.0		7.5	17.5	6.7	10.6

FEMALE

DUP04006099

MALE

		months			
		0	1	2	3	
Urine Volume	0		18	16	16	17
	1000		13	17	16	15
	2000		20	21	22	21
Urine Osmolality	0		1888	1940	2074	1967
	1000		2571	1898	2231	2233
	2000		1763	1529	1630	1641
Urine Protein	0		8	3.0	5	5.3
	1000		8	4.5	5	5.8
	2000		20	9.0	13	13.3
Urine SALA	0		0.08	0.14	0.11	0.11
	1000		0.41	0.48	0.36	0.42
	2000		0.55	0.69	0.52	0.59
Urine GOT	0		20	24	21	22
	1000		17	24	20	20
	2000		15	26	20	20

FEMALE

		months			
		0	1	2	3	
Urine Volume	0		11	16	12	13
	1000		11	15	14	13
	2000		11	18	16	15
Urine Osmolality	0		1798	1547	2115	1820
	1000		1853	1699	1742	1831
	2000		1632	1332	1570	1511
Urine Protein	0		3	3.6	1.0	2.5
	1000		2	1.5	1.7	1.7
	2000		4	2.0	2.1	2.7
Urine SALA	0		0.06	0.08	0.06	0.07
	1000		0.26	0.33	0.25	0.28
	2000		0.26	0.47	0.28	0.34
Urine GOT	0		10	23	28	20
	1000		10	15	45	23
	2000		9	12	28	16

DUP04006100

		MALE				FEMALE			
		months				months			
		0	1	2	3	0	1	2	3	
Alkaline Phosphatase	0		7.1	4.7	3.7	5.2	5.2	5.1	3.8	4.7
	1000		7.8	4.6	4.9	5.8	3.8	5.1	4.7	4.5
	2000		7.8	4.0	4.0	5.3	6.2	4.6	5.1	5.3
G/P Transaminase	0		19	20	22	20	17	18	20	18
	1000		16	18	19	18	17	19	18	18
	2000		19	18	19	19	15	18	20	18
Lead URINE	0		0.25	0.35	0	0.20	0.35	0.25	1.6	0.73
	1000		11.2	12.4	10.8	11.47	10.5	9.4	13.0	10.30
	2000		13.2	13.0	19.3	15.17	9.4	9.0	12.2	9.53
Lead FECES	0									
	1000									
	2000									
Lead HAIR	0									
	1000									
	2000									

DUP040006101

MALE

		months 0	1	2	3	
Segmented Neutrophil	0		20.8	22.3	26.0	23.0
	1000		21.5	25.5	22.5	23.2
	2000		22.8	26.5	17.8	22.4
Juvinile Neutrophil	0		1.8	1.3	3.2	2.1
	1000		2.7	1.5	3.5	2.6
	2000		1	2.2	1.8	1.7
Myelocyte	0		0.2	0	0	0.07
	1000		0.2	0	0	0.07
	2000		0.3	0	0	0.1
Lymphocyte	0		74.0	73.0	65.7	70.9
	1000		72.2	66.8	69.3	69.4
	2000		70.7	66.7	76.8	71.4
Eosinophil	0		1.2	2	3.7	
	1000		2.3	3.5	3	
	2000		2	1.3	1.2	

FEMALE

	months 0	1	2	3	
Segmented Neutrophil		16.7	20.8	23.8	20.4
		18.3	18.8	18.3	18.5
		22.8	21.0	24.0	22.6
Juvinile Neutrophil		3	2	2.3	2.4
		2	1.5	1.8	1.8
		3.5	1.5	1.5	2.2
Myelocyte		0.2	0	0.2	0.13
		0.2	0.2	0.2	0.2
		0	0.3	0	0.1
Lymphocyte		77.3	74.0	67.8	73.0
		72.5	77.0	73.7	74.4
		66.5	72.7	70.8	70.0
Eosinophil		1	1.5	3.5	
		2.2	2	3.5	
		2.2	2.8	1.7	

DUP040006102

MALE

		months			
		0	1	2	3
Monocyte	0		1.2	0.5	0.8
	1000		1.2	1.5	1.2
	2000		1.5	2.0	1.8
Basophil	0		0	0	0
	1000		0	0	0
	2000		0	0	0
Atypical Cell	0		0.8	0.7	0.7
	1000		0	1.2	0.3
	2000		1.7	1.3	0.5
Nucleated RBC	0		0	0.2	0
	1000		0	0	0
	2000		0	0	0

FEMALE

months			
0	1	2	3
	1.3	1	2
	0.7	0.3	2.2
	0.7	0.5	1
	0	0	0
	0	0	0
	0	0	0
	0.5	0.7	0.3
	1.2	0.2	0.3
	1.3	1.2	1
	0.2	0	0
	0.2	0	0
	0	0	0

DUP040006103

MR-787 - LEAD ANALYSIS

TEST DIET

DOSE (ppm)	TEST DIET - ug/gm.											
	1 mo.	2 mo.	3 mo.	6 mo.	9 mo.	12 mo.	15 mo	18 mo.	21 mo.	24 mo.		
0	3.3	8.5	8.5	1.1	6.0	10.8	1.0	3.0	3.7	4.0	4.99	5.
10	15.2	28.0	28.0	12.5	11.5	17.0	14.0	20.8	19.5	9.5	17.60	18
50	49.5	85.0	85.0	40.1	62.0	48.0	54.0	72.2	90.3	35.7	62.18	62
100	77.4	143.0	140.0	114.3	114.0	134.0	174.0	178.3	175.6	122.0	137.2	137
500	520.0	473.0	484.0	498.6	545.0	544.0	606.3	527.0	808.3	474.3	547.9	548

DUP04000104

MR-787 · LEAD ANALYSIS

RAT URINE

MALE

♂

DOSE (ppm)	URINE · µg/10 ml											Pb in food
	1 mo.	2 mo.	3 mo.	6 mo.	9 mo.	12 mo.	15 mo.	18 mo.	21 mo.	24 mo.		
0	0.4	0.3	0.6	0	0	0.2	0.2	0.1	0.2	0.4	0.24	5.02
0	0.3	0.2	0.6	0.1	0	0.2	0.1	0.1	0.3	0.3	0.22	
10	0.3	0.2	1.0	0.4	0.2	0.6	0.4	0.2	0.2	0.5	0.40	11.6
50	1.2	0.6	1.0	1.2	0.8	0.9	0.6	0.6	0.7	0.9	0.85	62.2
100	2.2	0.9	2.6	2.0	1.6	1.4	1.2	0.6	1.2	1.4	1.51	141
500	5.9	2.5	4.4	7.9	7.0	6.1	5.7	2.5	3.0	2.1	4.71	513

FEMALE

♀

DOSE (ppm)	URINE · µg/10 ml.											Pb in food
	1 mo.	2 mo.	3 mo.	6 mo.	9 mo.	12 mo.	15 mo.	18 mo.	21 mo.	24 mo.		
0	0.3	0.3	0	0.1	0	0.2	0.2	0.3	0.2	0.2	0.12	0.21
0	0.2	0.2	0.4	0.1	0	0.3	0.1	0.1	0.2	0.2	0.18	
10	0.4	0.4	1.0	0.5	0.1	0.5	0.1	0.2	0.5	0.3	0.40	0.40
50	0.3	0.6	1.3	0.7	0.4	0.6	0.4	1.7	0.8	0.7	0.71	0.81
100	1.8	0.9	2.6	2.2	0.5	1.6	0.9	1.7	1.0	1.4	1.46	1.49
500	5.2	4.1	4.6	4.4	1.7	4.7	3.0	5.8	4.6	3.1	4.32	4.52

DUP04000610S

AIR-787 · LEAD ANALYSIS

RAT FECES

♂

DOSE (ppm)	FECES - ug/gm. 1 mo.	2 mo.	3 mo.	6 mo.	9 mo.	12 mo.	15 mo.	18 mo.	21 mo.	24 mo.		
0	1.6	119	92	90	56	128	56	22	50	30	64.5	59.05
0	19.5	126	66	46	30	114	26	44	44	20	53.6	
10	26.8	80	80	93	94	120.	63	115	44	88	80.4	
50	64.9	100	108	357	157	287	213	223	202	275	198.7	
100	166.5	164	133	772	250	570	375	594	352	428	360.5	
500	728.4	966	750	2158	1120	2375	1600	1262	1546	872	1337.7	

♀

DOSE (ppm)	FECES - ug/gm. 1 mo.	2 mo.	3 mo.	6 mo.	9 mo.	12 mo.	15 mo.	18 mo.	21 mo.	24 mo.		
0	3.1	120	84	90	90	80	72	39	60	16	65.4	57.65
0	10.4	128	60	34	34	86	42	49	37	19	49.9	
10	26.4	101	75	111	44	111	113	108	47	78	81.4	
50	123.2	175	90	301	117	273	237	268	189	241	201.4	
100	162.3	241	108	514	163	440	350	625	385	577	356.5	
500	740.9	950	213	2040	1140	1450	2625	2543	1439	1444	1418.5	

DUP040006106

MR-737 - LEAD ANALYSIS

RAT TISSUES

MALE

DOSE (ppm)	FAT - ug/gm.					MUSCLE - ug/gm					SPLEEN - ug/gm				
	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.
0	0	0.4	N.S.			0	0.2	0.2	0	0.09	0	N.S.	0	0	
0	0	0.4	N.S.			0	0.2	0.1	0		0	N.S.	0.1	0	
10	0	0.4	N.S.			0	0.1	0.1	0	0.05	0.3	N.S.	0	0	
50	0	0.4	N.S.			0	0.2	0.1	0.1	0.10	0.1	N.S.	0.1	0	
100	0.3	0.4	N.S.			0	0.2	0.2	0	0.10	0.2	N.S.	0	0	
500	0.3	0.4	N.S.			1.6	0.2	0.2	0.1	0.52	0.2	N.S.	0	0	

FEMALE

DOSE (ppm)	FAT - ug/gm					MUSCLE - ug/gm					SPLEEN - ug/gm				
	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.
0	0	0.4	N.S.			0	0.2	0	0	0.05	0	N.S.	0	0	0
0	0	0.4	N.S.			0	0.1	0.1 [illegible]	0	0.05	0	N.S.	0	0	
10	0	0.4	N.S.			0	0.1	0.1 [illegible]	0		0	N.S.	0	0	0
50	0.1	0.4	N.S.			0	0.1	0.2	0	0.08	0	N.S.	0	0	0
100	0.1	0.3	N.S.			0.5	0.1	0.1	0.1	0.10	0.2	N.S.	0	0	0.07
500	0.3	0.4	N.S.			0.6	0.2	0.3	0.1	0.15	0.2	N.S.	0	0.1	0.10

N.S. = no sample

Zero levels were below limits of method

	MALE + FEMALE			
	Muscle		Spleen	Fat
0	0.15	0.2	0	0.2 0.2
10	0.05	0.1	>0.1 0.05	0.2 0.2
50	0.13	0.1	>0.1 0.03	0.2 0.2
100	0.15	0.2	0.1 0.07	0.3 0.3
500	0.41	0.4	0.1 0.08	0.35 0.4

DUP040006107

NIR-737 - Lead Analysis

Rat Tissues

MALE

DOSE (ppm)	TESTES - ug/gm					BONE - ug/gm					BRAIN - ug/gm					
	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	
0	0.2	0.4	0.1	0.1		0	0	N.S.	22.1	9.5	0	0.1	0.2	0	0	0.06
0	0.2	0.2	0.1	0.1		0	0	N.S.	15.2	10.3	0	0.1	0	0.1	0.1	0.07
10	0	0.2	0.1	0.1		0	0.2	N.S.	17.3	11.0	0	0.1	0	0.1	0.2	0.09
50	0	0.3	0.4	0.1		0	3.2	N.S.	23.4	18.5	0	0.1	0.1	0.1	0.4	0.16
100	0.2	0.2	0.1	0.1		5.6	3.0	N.S.	37.5	25.5	0	0.2	0	0.2	0.3	0.20
500	0.5	0.2	0.4	0.1		19.1	29.7	N.S.	42.0	N.S.	0.7	0.4	0.4	0.7	1.1 (33)	0.66
						4.2	6.0		24.4	23.0	0.26	0.18	0.15	0.20	0.36	

FEMALE

DOSE (ppm)	BONE - ug/gm					BRAIN - ug/gm					
	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	
0	0	0.8	N.S.	5.8	10.5	0	0.2	0	0.1	0.2	0.10
0	0	0	N.S.	21.8	7.5	0	0.1	0	0.1	0.2	0.10
10	0	0	N.S.	15.5	7.0	0.4	0.2	0.1	0.	0.2	0.18
50	0	3.5	N.S.	19.8	16.5	0.7	0.2	0.1	0.2	0.2	0.28
100	1.7	9.0	N.S.	19.5	28.0	0.7	0.2	0.2	0.2	0.4 (17)	0.34
500	24.3	23.4	N.S.	67.0	110.0	0.7	0.2	0.8	0.6	1.0 (33)	0.66

N.S. = No Sample

	BONE			BRAIN		
	M	F	M+F	M	F	M+F
0	~~5.0~~	~~5.8~~	6.4	0.06	0.10	0.075
10	~~7.2~~	5.6	6.4	0.08	0.18	0.13
50	~~12.5~~	10.0	~~18.2~~	0.16	0.22	0.21
100	17.9	14.6	~~16.2~~	0.20	0.31	0.24
500	~~20.3~~	~~56.2~~	45.1	0.66	0.66	0.66

DUP04000610B

MR-787 · LEAD ANALYSIS

RAT TISSUES

MALE

DOSE (ppm)	BLOOD - µg/~~ml~~ 15 ml					KIDNEY - µg/gm. ✓					LIVER - µg/gm ✓				
	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.
0	0	0	0	0.1	1.01 (15)	0.4	0.5	0.3	0.2	1.2 (5)	0.1	0.9	0.3	0.2	0.2 (12)
0	0.3	0	0	0	1.22 (13)	0.4	0.3	0.2	0.3	0.2 (5)	0	0.4	0.3	0.2	0.2 (13)
10	0	0.1	0.1	0.1	0.99 (13)	0.7	0.7	0.4	0.5	0.2 (5)	0.1	0.5	0.2	0.3	0.2 (13)
50	0	0	0.1	0.1	1.68 (12)	8.9	1.5	1.0	1.0	0.4 (5)	0.2	0.7	0.3	0.4	0.3 (12)
100	0	0	0.2	0.2	3.03 (18)	4.5	2.7	6.3	1.5	0.8 (5)	0.4	0.5	0.3	0.6	0.7 (13)
500	0.2	0.1	0.6	0.5	7.62 (6)	18.0	18.5	11.5	8.9	5.9 (5)	1.2	1.2	1.2	1.2	2.7 (6)

FEMALE

DOSE (ppm)	BLOOD - µg/~~ml~~ 10ml					KIDNEY - µg/gm.					LIVER - µg/gm				
	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.
0	0	0	0	0.1	1.32 (13)	0.4	0.3	0.2	0.2	0.1 (5)	0.3	0.7	0.1	0.1	0.2 (16)
0	0	0	0	0	1.15 (12)	0.4	0.2	0.2	0.2	0.1 (4)	0	0.2	0.1	0.2	0.2 (12)
10	0	0	0.1	0.1	1.21 (16)	0.8	0.6	0.7	0.4	0.4 (5)	0.2	0.1	0.1	0.3	0.1 (16)
50	0	0	0.2	0.1	2.03 (19)	1.5	1.9	1.2	1.5	1.3 (5)	0.3	0.4	0.2	0.6	0.3 (16)
100	0.2	N.S	0.2	0.1	2.01 (17)	3.9	3.0	2.4	2.9	2.9 (6)	0.5	0.9	0.4	1.8	0.7 (17)
500	0.3	0.2	0.6	0.6	7.31 (14)	22.0	35.4	20.6	17.7	20.6 (5)	1.6	1.7	1.7	1.9	1.7 (14)

N.S. = no sample
Zero levels were below measureability Limits of method

DUP04000109

MR-787 - LEAD ANALYSIS

RAT HAIR

♂

DOSE (ppm)	HAIR ug/gr. 1 mo.	2 mo.	3 mo.	6 mo.	9 mo.	12 mo.	15 mo.	18 mo	21 mo	24 mo.
0	0	13.2	4.5	26.0	10.5	15.5	11.0	4.0	7.0	
0	N.S	11.5	5.5	7.5	5.5	7.6	74.6	2.0	3.9	
10	0	6.0	5.5	13.6	5.9	7.6	4.5	17.0	5.0	
50	1.5	9.2	5.5	10.3	0.5	7.5	6.4	6.0	8.7	
100	3.8	9.0	6.5	8.9	7.2	12.0	6.5	8.9	9.8	
500	13.0	17.3	16.0	10.0	10.9	16.8	32.4	27.2	27.3	

not done

♀

DOSE (ppm)	HAIR ug/gr. 1 mo.	2 mo.	3 mo.	6 mo.	9 mo.	12 mo.	15 mo.	18 mo.	21 mo.	24 mo.
0	0	7.7	7.0	11.1	16.0	7.5	11.9	9.4	18.4	
0	N.S.	13.4	3.5	33.0	3.4	3.8	9.4	3.5	1.5	
10	0	7.2	4.5	6.6	3.4	5.4	2.0	3.5	10.0	
50	0.9	5.0	5.5	6.5	3.5	4.6	0.9	7.4	6.2	
100	2.2	7.0	5.8	4.8	5.5	5.0	3.0	8.4	15.9	
500	12.8	14.0	9.5	10.3	10.9	15.0	12.9	20.8	15.7	

not done

N.S. = no sample

	♂	♀	M+F
	209.8		
	12.34	9.45	65.1
	7.23	4.73	55.6
	6.18	4.50	72.6
	8.07	6.40	160.7
	18.98	13.54	170.9
		10.90	
		5.98	42.6
		5.34	40.5
		7.23	57.6
		16.27	121.9

DUP04000611O

MR-787 - LEAD ANALYSIS

TEST DIET

TEST DIET ug/gm.

DOSE (ppm)	1 mo.	2 mo.	3 mo.	6 mo.	9 mo.	12 mo.	15 mo	18 mo.	21 mo.	24 mo.	Average
0	3.3	8.5	8.5	1.1	6.0	10.8	1.0	3.0			5.27
10	15.2	28.0	28.0	12.5	11.5	17.0	14.0	20.8			18.37
50	49.5	85.0	85.0	40.1	62.0	48.0	54.0	72.2			61.97
100	77.4	143.0	140.0	114.3	114.0	134.0	174.0	178.3			134.3
500	520.0	473.0	484.0	498.6	545.0	544.0	606.3	527.0			524.7

DUP040006111

MR-787 · LEAD ANALYSIS

RAT URINE

DOSE (ppm)	URINE · µg / 10 ml										Average
	1 mo.	2 mo.	3 mo.	6 mo.	9 mo.	12 mo.	15 mo.	18 mo.	21 mo.	24 mo.	
0	0.4	0.3	0.6	0	0	0.2	0.2	0.1			0.23
0	0.3	0.2	0.6	0.1	0	0.2	0.1	0.1			0.20
10	0.3	0.2	1.0	0.4	0.2	0.6	0.4	0.2			0.41
50	1.2	0.6	1.0	1.2	0.8	0.9	0.6	0.6			0.86
100	2.2	0.9	2.6	2.0	1.6	1.4	1.2	0.6			1.56
500	5.9	2.5	4.4	7.9	7.0	6.1	5.7	2.5			5.25

DOSE (ppm)	URINE · µg / 10 ml.										
	1 mo.	2 mo.	3 mo.	6 mo.	9 mo.	12 mo.	15 mo.	18 mo.	21 mo.	24 mo.	
0	0.3	0.3	0	0.1	0	0.2	0.2	0.3			0.18
0	0.2	0.2	0.4	0.1	0	0.3	0.1	0.1			0.18
10	0.4	0.4	1.0	0.5	0.1	0.5	0.1	0.2			0.40
50	0.3	0.6	1.3	0.7	0.4	0.6	0.4	1.7			0.75
100	1.8	0.9	2.6	2.2	0.5	1.6	0.9	1.7			1.53
500	5.2	4.1	4.6	4.4	1.7	6.7	3.0	5.8			4.44

DUP04006112

MR-787 · LEAD ANALYSIS

RAT FECES

DOSE (ppm)	FECES - ug/gr									
	1 mo.	2 mo.	3 mo.	6 mo.	9 mo.	12 mo.	15 mo.	18 mo.	21 mo.	24 mo.
0	1.6	119	92	90	56	128	56	22		
0	19.5	126	66	46	30	114	26	44		
10	26.8	80	80	93	94	120.	63	115		
50	64.9	100	108	357	157	287	213	223		
100	166.5	164	133	772	250	570	375	394		
500	728.4	966	750	2158	1120	2375	1600	1262		

DOSE (ppm)	FECES - ug/gr.									
	1 mo.	2 mo.	3 mo.	6 mo.	9 mo.	12 mo.	15 mo.	18 mo.	21 mo.	24 mo.
0	3.1	120	84	90	90	80	72	34		
0	10.4	128	60	34	34	86	42	49		
10	26.4	101	75	111	44	111	113	108		
50	123.2	175	90	301	117	273	237	268		
100	142.3	241	108	514	163	440	350	625		
500	740.9	950	213	2040	1140	1450	2625	2543		

DUP040006113

MR-787 · LEAD ANALYSIS
RAT TISSUES

MALE

DOSE (ppm)	BLOOD - ug/ml					BONE - ug/gm.					BRAIN - ug/gm.				
	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.
0	0	0	0	0.1		0	0	N.S.	22.1		0	0.1	0.2	0	
0	0.3	0	0	0		0	0	N.S.	15.2		0	0.1	0	0.1	
10	0	0.1	0.1	0.1		0	0.2	N.S.	17.8		0	0.1	0	0.1	
50	0	0	0.1	0.1		0	3.2	N.S.	28.4		0	0.1	0.1	0.1	
100	0	0	0.2	0.2		5.6	3.0	N.S.	37.5		0	0.2	0	0.2	
500	0.2	0.1	0.6	0.5		19.1	29.7	N.S.	42.0		0.7	0.4	0.4	0.7	

FEMALE

DOSE (ppm)	BLOOD - ug/ml					BONE - ug/gm					BRAIN - ug/gm				
	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.
0	0	0	0	0.1		0	0.8	N.S.	5.8		0	0.2	0	0.1	
0	0	0	0	0		0	0	N.S.	21.8		0	0.1	0	0.1	
10	0	0	0.1	0.1		0	0	N.S.	15.5		0.4	0.2	0.1	0	
50	0	0	0.2	0.1		0	3.5	N.S.	19.8		0.7	0.2	0.1	0.2	
100	0.2	N.S	0.2	0.1		1.7	9.0	N.S.	19.5		0.7	0.2	0.2	0.2	
500	0.3	0.2	0.6	0.6		24.3	23.4	N.S.	67.0		0.7	0.2	0.8	0.6	

N.S. = no sample

DUP04000114

MR-787 - LEAD ANALYSIS
RAT TISSUES

MALE

DOSE (ppm)	FAT - ug/gr.					KIDNEY - ug/gr.					LIVER - ug/gr				
	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.
0	0	0.4	N.S.			0.4	0.5	0.3	0.2		0.1	0.9	0.3	0.2	
0	0	0.4	N.S.			0.4	0.3	0.2	0.3		0	0.4	0.3	0.2	
10	0	0.4	N.S.			0.7	0.7	0.4	0.5		0.1	0.5	0.2	0.3	
50	0	0.4	N.S.			1.9	1.5	1.0	1.0		0.2	0.7	0.3	0.4	
100	0.3	0.4	N.S.			4.5	2.7	6.3	1.5		0.4	0.5	0.3	0.6	
500	0.3	0.4	N.S.			18.0	18.5	11.5	8.9		1.2	1.2	1.2	1.2	

FEMALE

DOSE (ppm)	FAT - ug/gr					KIDNEY - ug/gr					LIVER - ug/gr				
	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo
0	0	0.4	N.S.			0.4	0.3	0.2	0.2		0.3	0.7	0.1	0.1	
0	0	0.4	N.S.			0.4	0.2	0.2	0.2		0	0.2	0.1	0.2	
10	0	0.4	N.S.			0.8	0.6	0.7	0.4		0.2	0.1	0.1	0.3	
50	0.1	0.4	N.S.			1.5	1.9	1.2	1.5		0.3	0.4	0.2	0.6	
100	0.1	0.3	N.S.			3.9	3.0	2.4	2.9		0.5	0.9	0.4	1.8	
500	0.3	0.4	N.S.			22.0	35.4	20.6	17.7		1.6	1.7	1.7	1.9	

N.S. = no sample

DUP04000611S

MR-787 · LEAD ANALYSIS
RAT TISSUES

MALE

DOSE (ppm)	MUSCLE - ug/gr					SPLEEN - ug/gr					TESTES - ug/gr				
	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.
0	0	0.2	0.2	0		0	N.S.	0	0		0.2	0.4	0.1	0.1	
0	0	0.2	0.1	0		0	N.S.	0.1	0		0.2	0.2	0.1	0.1	
10	0	0.1	0.1	0		0.3	N.S.	0	0		0	0.2	0.1	0.1	
50	0	0.2	0.1	0.1		0.1	N.S.	0.1	0		0	0.3	0.4	0.1	
100	0	0.2	0.2	0		0.2	N.S.	0	0		0.2	0.2	0.1	0.1	
500	1.6	0.2	0.2	0.1		0.2	N.S.	0	0		0.5	0.2	0.4	0.1	

FEMALE

DOSE (ppm)	MUSCLE - ug/gr					SPLEEN - ug/gr				
	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.	3 mo.	6 mo.	12 mo.	18 mo.	24 mo.
0	0	0.2	0	0		0	N.S.	0	0	
0	0	0.1	0.1	0		0	N.S.	0	0	
10	0	0.1	0.1	0		0	N.S.	0	0	
50	0	0.1	0.2	0		0	N.S.	0	0	
100	0.5	0.1	0.1	0.1		0.2	N.S.	0	0	
500	0.6	0.2	0.3	0.1		0.2	N.S.	0	0.1	

N.S. = no sample

DUP04000116

MR-787 - LEAD ANALYSIS

RAT HAIR

DOSE (ppm)	HAIR ug/gm. 1 mo.	2 mo.	3 mo.	6 mo.	9 mo.	12 mo.	15 mo.	18 mo.	21 mo.	24 mo.
0	0	13.2	4.5	26.0	10.5	15.5	11.0	4.0		
0	N.S.	11.5	5.5	7.5	5.5	7.6	74.6	2.0		
10	0	6.0	5.5	13.6	5.9	7.6	4.5	17.0		
50	1.5	9.2	5.5	10.3	0.5	7.5	6.4	6.0		
100	3.8	9.0	6.5	8.9	7.2	12.0	6.5	8.9		
500	13.0	17.3	16.0	10.0	10.9	16.8	32.4	27.2		
	1	2	3				4	5		

DOSE (ppm)	HAIR ug/gm. 1 mo.	2 mo.	3 mo.	6 mo.	9 mo.	12 mo.	15 mo.	18 mo.	21 mo.	24 mo.
0	0	7.7	7.0	11.1	16.0	7.5	11.9	9.4		
0	N.S.	13.6	3.5	33.0	3.4	3.8	9.4	3.5		
10	0	7.2	4.5	6.6	3.4	5.4	2.0	3.5		
50	0.9	5.0	5.5	6.5	3.5	4.6	0.9	7.4		
100	2.2	7.0	5.8	4.8	5.5	5.0	3.0	8.4		
500	12.8	14.0	9.5	10.3	10.9	15.0	12.9	20.8		
	1		2			3		4		

N.S. = no sample

DUP04006117

MR-10B
NINETY DAY FEEDING STUDY WITH LEAD

	Dose ppm	1	2	3	1	2	3
ERYTHROCYTES	0	6.27	6.78	6.85	6.46	7.09	6.25
	0	5.78	7.11	7.09	6.69	7.33	7.01
	0	6.24	6.47		5.51	5.33	
	1000	6.11	6.39		5.58	5.89	
	2000	5.87	6.60		5.76	5.71	
HEMOGLOBIN	0	15.4	17.0	16.3	14.8	16.1	15.5
	0	15.0	16.8	16.8	15.0	16.1	15.7
	0	15.7	17.8		14.9	15.7	
	1000	14.5	16.8		14.8	15.6	
	2000	14.5	15.6		15.5	15.5	
HEMATOCRIT	0	42	48	45	38	46	43
	0	40	45	45	39	43	41
	0	47	47		44	42	
	1000	43	46		44	42	
	2000	43	41		44	40	
LEUCOCYTES	0	16.5	15.6	16.0	12.2	13.0	10.6
	0	12.3	15.2	14.0	13.3	14.4	11.0
	0	14.1	12.9		11.8	11.5	
	1000	13.5	14.4		10.0	11.0	
	2000	11.1	13.1		11.4	10.9	
OSMOLALITY	0	2035		19.08	1674		1919
	0	1718		1899	1764		2168
	0						
	1000						
	2000						
	0						
	0						
	0						
	1000						
	2000						

DUP04000118

MALE

		Months 0	1	2	3
Monocyte	0		1.2	0.5	0.8
	1000		1.2	1.5	1.2
	2000		1.5	2.0	1.8
Basophil	0		0	0	0
	1000		0	0	0
	2000		0	0	0
Atypical Cell	0		0.8	0.7	0.7
	1000		0	1.2	0.3
	2000		1.7	1.3	0.5
Nucleated RBC	0		0	0.2	0
	1000		0	0	0
	2000		0	0	0

FEMALE

0	Months 1	2	3
	1.3	1	2
	0.7	0.3	2.2
	3.7	0.5	1
	0	0	0
	0	0	0
	0	0	0
	0.5	0.7	0.3
	1.2	0.2	0.3
	1.3	1.2	1
	0.2	0	0
	0.2	0	0
	0	0	0

DUP04006119