

**Experiment Number:** 05198-06

**Species/Strain:** Rat/Fischer 344

**P44: Hematology Data**

**Date Report Requested:** 10/26/2014

**Time Report Requested:** 05:15:19

**First Dose M/F:** NA / NA

**Lab:** NA

**C Number:** C54853D

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Male

## MALE

Animal No.	Dose	Time In Study	Band Neutrophil Count 1000 per microliter	Eosinophil Count	Hematocrit %	Hemoglobin g per dL
0301_06	0 ppm	Week : 9	0.13	0.13	46.9	15.4
0302_06	0 ppm	Week : 9	0	0.06	43.3	14.9
0303_06	0 ppm	Week : 9	0	0	45.5	14.8
0304_06	0 ppm	Week : 9	0	0.06	45.6	15
0305_06	0 ppm	Week : 9	0.08	0.23	48.6	15.8
0306_06	0 ppm	Week : 9	0	0.14	41.7	14.4
0307_06	0 ppm	Week : 9	0.27	0	45.3	14.9
0308_06	0 ppm	Week : 9	0	0.06	45.6	14.7
0309_06	0 ppm	Week : 9	0	0.06	46.4	15.4
0310_06	0 ppm	Week : 9	0	0.14	47	14.9
0312_06	0 ppm	Week : 9	0	0	23.1	11
0313_06	0 ppm	Week : 9	2.66	0	23.6	9.6
0314_06	0 ppm	Week : 9	8.91	2.97	18.9	8
0315_06	0 ppm	Week : 9	0	0	16.5	10
0316_06	0 ppm	Week : 9	0	0	19.7	11
0317_06	0 ppm	Week : 9	0.72	0	41.9	14.5
0318_06	0 ppm	Week : 9	0	0	23.9	11
0319_06	0 ppm	Week : 9	0	0	40.9	13.7
0320_06	0 ppm	Week : 9	0	0	18	9
0321_06	2500 ppm	Week : 9	0	0	44.9	14.3
0322_06	2500 ppm	Week : 9	0.07	0	42.4	14.1

## MALE

Animal No.	Dose	Time In Study	Band Neutrophil Count 1000 per microliter	Eosinophil Count	Hematocrit %	Hemoglobin g per dL
0323_06	2500 ppm	Week : 9	0	0	44.9	14.2
0324_06	2500 ppm	Week : 9	0.04	0	47	14.9
0325_06	2500 ppm	Week : 9	0	0.12	45.3	14.2
0326_06	2500 ppm	Week : 9	0	0	44.8	14.4
0329_06	2500 ppm	Week : 9	0	0.07	46.2	14.8
0330_06	2500 ppm	Week : 9	0.11	0	44.3	13.8
0331_06	2500 ppm	Week : 9	0.21	0.21	42.6	13.8
0332_06	2500 ppm	Week : 9	0	0	20.8	12.5
0333_06	2500 ppm	Week : 9	0	0.07	48.9	14.8
0334_06	2500 ppm	Week : 9	0	0	30.1	12
0335_06	2500 ppm	Week : 9	0	0	33.2	11.2
0336_06	2500 ppm	Week : 9	0.46	0	39.2	12.7
0338_06	2500 ppm	Week : 9	0.56	0	36.2	11.8
0339_06	2500 ppm	Week : 9	3.75	0	15.6	8
0340_06	2500 ppm	Week : 9	5.2	0	37.5	14
0341_06	5000 ppm	Week : 9	0	0.06	45.9	13.9
0342_06	5000 ppm	Week : 9	0	0.09	47.8	14.3
0343_06	5000 ppm	Week : 9	0.06	0.06	46.3	13.9
0344_06	5000 ppm	Week : 9	0	0.1	45.1	13.6
0345_06	5000 ppm	Week : 9	0.05	0	43.8	13.9
0346_06	5000 ppm	Week : 9	0.06	0.06	44.2	13.4

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Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Band Neutrophil Count 1000 per microliter	Eosinophil Count	Hematocrit %	Hemoglobin g per dL
0347_06	5000 ppm	Week : 9	0.06	0.06	49.2	15.1
0348_06	5000 ppm	Week : 9	0	0	45.7	13.7
0349_06	5000 ppm	Week : 9	0	0.1	46.1	14
0350_06	5000 ppm	Week : 9	0	0	43.2	13.6
0351_06	5000 ppm	Week : 9	0	0	44.6	13.9
0352_06	5000 ppm	Week : 9	0	0	46.9	14
0353_06	5000 ppm	Week : 9	0	0.22	48	14.1
0354_06	5000 ppm	Week : 9	0	0.05	46	13.7
0355_06	5000 ppm	Week : 9	0	0.15	45.1	14.1
0356_06	5000 ppm	Week : 9	0.17	0	38.7	11.9
0357_06	5000 ppm	Week : 9	0	0.06	43.2	14.1
0359_06	5000 ppm	Week : 9	1.11	0	39.1	12.7
0360_06	5000 ppm	Week : 9	1.8	0	29.8	12

## MALE

Animal No.	Dose	Time In Study	Lymphocyte Count 1000 per uL	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL
0301_06	0 ppm	Week : 9	4.68	16.2	32.8	49
0302_06	0 ppm	Week : 9	5.23	16.9	34.4	49
0303_06	0 ppm	Week : 9	4.05	16.5	32.5	51
0304_06	0 ppm	Week : 9	5.2	16.9	32.9	51
0305_06	0 ppm	Week : 9	5.02	16.4	32.5	50
0306_06	0 ppm	Week : 9	5.89	16.5	34.5	48
0307_06	0 ppm	Week : 9	4.37	16.2	32.9	49
0308_06	0 ppm	Week : 9	4.99	16.3	32.2	51
0309_06	0 ppm	Week : 9	4.23	16.8	33.2	51
0310_06	0 ppm	Week : 9	5.24	16.5	31.7	52
0312_06	0 ppm	Week : 9	4.3	25.4	47.6	53
0313_06	0 ppm	Week : 9	57.1	20.4	40.7	50
0314_06	0 ppm	Week : 9	44.55	23.4	42.3	55
0315_06	0 ppm	Week : 9	26.85	33.3	60.6	55
0316_06	0 ppm	Week : 9	9.8	29.9	55.8	54
0317_06	0 ppm	Week : 9	10.14	17	34.6	49
0318_06	0 ppm	Week : 9	31.57	23.9	46	52
0319_06	0 ppm	Week : 9	10.03	17	33.5	51
0320_06	0 ppm	Week : 9	0	27.3	50	55
0321_06	2500 ppm	Week : 9	4.1	16	31.8	50
0322_06	2500 ppm	Week : 9	5.82	16.8	33.3	51

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First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Lymphocyte Count 1000 per uL	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL
0323_06	2500 ppm	Week : 9	3.9	16.4	31.6	52
0324_06	2500 ppm	Week : 9	3.27	16.5	31.7	52
0325_06	2500 ppm	Week : 9	4.14	16.1	31.3	51
0326_06	2500 ppm	Week : 9	4.23	16.5	32.1	51
0329_06	2500 ppm	Week : 9	5.35	16.5	32	51
0330_06	2500 ppm	Week : 9	4.45	16.1	31.1	52
0331_06	2500 ppm	Week : 9	4.97	16.4	32.4	51
0332_06	2500 ppm	Week : 9	6.9	33.2	60.1	55
0333_06	2500 ppm	Week : 9	6.05	15.7	30.3	52
0334_06	2500 ppm	Week : 9	6.95	20.3	39.9	51
0335_06	2500 ppm	Week : 9	17.38	17	33.7	50
0336_06	2500 ppm	Week : 9	11.47	17	32.4	53
0338_06	2500 ppm	Week : 9	13.44	16.8	32.6	51
0339_06	2500 ppm	Week : 9	48.75	30.3	51.3	59
0340_06	2500 ppm	Week : 9	11.44	19.9	37.3	53
0341_06	5000 ppm	Week : 9	4.78	16.2	30.3	53
0342_06	5000 ppm	Week : 9	3.78	15.8	29.9	53
0343_06	5000 ppm	Week : 9	5.58	15.8	30	52
0344_06	5000 ppm	Week : 9	3.65	16.3	30.2	54
0345_06	5000 ppm	Week : 9	3.36	16.9	31.7	53
0346_06	5000 ppm	Week : 9	4.48	16.1	30.3	53

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**MALE**

Animal No.	Dose	Time In Study	Lymphocyte Count 1000 per uL	Mean Cell Hemoglobin pg	Mean Cell Hemoglobin Concentration g per dL	Mean Corpuscular Volume fL
0347_06	5000 ppm	Week : 9	4.93	15.8	30.7	51
0348_06	5000 ppm	Week : 9	5.12	15.8	30	53
0349_06	5000 ppm	Week : 9	4.07	16.3	30.4	54
0350_06	5000 ppm	Week : 9	3.68	17	31.5	54
0351_06	5000 ppm	Week : 9	4.48	16.4	31.2	53
0352_06	5000 ppm	Week : 9	4.24	16.2	29.8	54
0353_06	5000 ppm	Week : 9	6.91	15.7	29.4	53
0354_06	5000 ppm	Week : 9	4.7	16.1	29.8	54
0355_06	5000 ppm	Week : 9	3.7	16.3	31.3	52
0356_06	5000 ppm	Week : 9	6.29	16.2	30.7	53
0357_06	5000 ppm	Week : 9	4.48	16.4	32.6	50
0359_06	5000 ppm	Week : 9	7.05	17.2	32.5	53
0360_06	5000 ppm	Week : 9	27	21.4	40.3	53

## MALE

Animal No.	Dose	Time In Study	Methemoglobin Pct Hgb %	Monocyte Count 1000 per uL	Mononuclear Cell Atypical Count 1000 per microliter	Nucleated Rbc Count 1000 per uL
0301_06	0 ppm	Week : 9	0.6	0.19	0	0
0302_06	0 ppm	Week : 9	1.2	0.06	0	0.13
0303_06	0 ppm	Week : 9	0.6	0.05	0.11	0.05
0304_06	0 ppm	Week : 9	0.6	0	0	0
0305_06	0 ppm	Week : 9	0.4	0.23	0	0.15
0306_06	0 ppm	Week : 9	0.8	0.07	0.21	0
0307_06	0 ppm	Week : 9	1	0.05	0	0
0308_06	0 ppm	Week : 9	0.7	0.06	0	0.19
0309_06	0 ppm	Week : 9	1.2	0	0	0.06
0310_06	0 ppm	Week : 9	0.6	0.07	0	0.07
0312_06	0 ppm	Week : 9	1.7	0	412.8	12.9
0313_06	0 ppm	Week : 9	37.8*	0	70.38	0
0314_06	0 ppm	Week : 9	0.4	0	207.9	8.91
0315_06	0 ppm	Week : 9	1.9	0	499.41	0
0316_06	0 ppm	Week : 9	4	0	465.5	0
0317_06	0 ppm	Week : 9	1.7	0.72	21.72	0
0318_06	0 ppm	Week : 9	1.6	0	410.41	0
0319_06	0 ppm	Week : 9	0.7	1.06	37.49	1.06
0320_06	0 ppm	Week : 9	2.2	0	401.58	4.14
0321_06	2500 ppm	Week : 9	0.8	0	0	0
0322_06	2500 ppm	Week : 9	1	0	0	0



## MALE

Animal No.	Dose	Time In Study	Methemoglobin Pct Hgb %	Monocyte Count 1000 per uL	Mononuclear Cell Atypical Count 1000 per microliter	Nucleated Rbc Count 1000 per uL
0323_06	2500 ppm	Week : 9	1.3	0.12	0	0
0324_06	2500 ppm	Week : 9	0.8	0.13	0	0.04
0325_06	2500 ppm	Week : 9	0.4	0.06	0	0
0326_06	2500 ppm	Week : 9	1	0.05	0	0
0329_06	2500 ppm	Week : 9	0.4	0.07	0.07	0.07
0330_06	2500 ppm	Week : 9	0.6	0	0	0
0331_06	2500 ppm	Week : 9	4.4	0.62	12.01	0.41
0332_06	2500 ppm	Week : 9	3.7	0	220.8	0
0333_06	2500 ppm	Week : 9	0.8	0.14	0.07	0.07
0334_06	2500 ppm	Week : 9	2.3	0	125.1	0
0335_06	2500 ppm	Week : 9	2.8	0.54	34.21	0
0336_06	2500 ppm	Week : 9	1	0.92	28.92	0.46
0338_06	2500 ppm	Week : 9	1.8	0	38.08	0
0339_06	2500 ppm	Week : 9	2.9	0	296.25	7.5
0340_06	2500 ppm	Week : 9	0.5	1.04	73.84	0
0341_06	5000 ppm	Week : 9	0.4	0.06	0	0
0342_06	5000 ppm	Week : 9	1	0	0	0
0343_06	5000 ppm	Week : 9	0.6	0	0	0.06
0344_06	5000 ppm	Week : 9	0.7	0.14	0	0
0345_06	5000 ppm	Week : 9	0.4	0	0	0.09
0346_06	5000 ppm	Week : 9	0.6	0	0	0

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Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Methemoglobin Pct Hgb %	Monocyte Count 1000 per uL	Mononuclear Cell Atypical Count 1000 per microliter	Nucleated Rbc Count 1000 per uL
0347_06	5000 ppm	Week : 9	1.6	0	0	0
0348_06	5000 ppm	Week : 9	0.9	0	0.06	0.06
0349_06	5000 ppm	Week : 9	0.7	0.05	0	0.05
0350_06	5000 ppm	Week : 9	1.3	0	0	0.18
0351_06	5000 ppm	Week : 9	0.8	0.11	0	0
0352_06	5000 ppm	Week : 9	2.4	0	0	0.11
0353_06	5000 ppm	Week : 9	1.5	0.11	1.62	0.32
0354_06	5000 ppm	Week : 9	0.8	0	0	0.05
0355_06	5000 ppm	Week : 9	0.4	0	0	0
0356_06	5000 ppm	Week : 9	1	0.51	7.82	0.17
0357_06	5000 ppm	Week : 9	0.4	0.06	0	0.06
0359_06	5000 ppm	Week : 9	0.5	0	22.26	0
0360_06	5000 ppm	Week : 9	1.9	0	60.3	0

## MALE

Animal No.	Dose	Time In Study	Platelet Count 1000 per uL	Red Blood Cell Count million per uL	Reticulocyte Count million per uL	Segmented Neutrophil Count 1000 per uL
0301_06	0 ppm	Week : 9	672	9.52	0.11	1.17
0302_06	0 ppm	Week : 9	616	8.79	0.03	0.94
0303_06	0 ppm	Week : 9	594	8.95	0	1.19
0304_06	0 ppm	Week : 9	628	8.87	0.2	1.23
0305_06	0 ppm	Week : 9	446	9.64	0.13	1.98
0306_06	0 ppm	Week : 9	603	8.73	0.18	0.64
0307_06	0 ppm	Week : 9	667	9.19	0.05	0.7
0308_06	0 ppm	Week : 9	628	8.99	0.25	1.28
0309_06	0 ppm	Week : 9	578	9.14	0.16	1.45
0310_06	0 ppm	Week : 9	619	9.04	0.14	1.22
0312_06	0 ppm	Week : 9	147	4.33	0.03	4.3
0313_06	0 ppm	Week : 9	110	4.69	0	2.66
0314_06	0 ppm	Week : 9	97	3.42	0.01	11.88
0315_06	0 ppm	Week : 9	105	3	0	10.74
0316_06	0 ppm	Week : 9	107	3.68	0.01	4.9
0317_06	0 ppm	Week : 9	353	8.51	0.12	1.81
0318_06	0 ppm	Week : 9	111	4.6	0.02	9.02
0319_06	0 ppm	Week : 9	295	8.07	0.11	1.58
0320_06	0 ppm	Week : 9	88	3.3	0.02	8.28
0321_06	2500 ppm	Week : 9	570	8.96	0.14	0.9
0322_06	2500 ppm	Week : 9	581	8.39	0.18	1.21
0323_06	2500 ppm	Week : 9	607	8.63	0.12	2.07

## MALE

Animal No.	Dose	Time In Study	Platelet Count 1000 per uL	Red Blood Cell Count million per uL	Reticulocyte Count million per uL	Segmented Neutrophil Count 1000 per uL
0324_06	2500 ppm	Week : 9	523	9.03	0.11	0.86
0325_06	2500 ppm	Week : 9	550	8.83	0.08	1.68
0326_06	2500 ppm	Week : 9	548	8.73	0.2	1.21
0329_06	2500 ppm	Week : 9	558	8.99	0.38	1.06
0330_06	2500 ppm	Week : 9	567	8.55	0.27	0.93
0331_06	2500 ppm	Week : 9	335	8.43	0.07	2.07
0332_06	2500 ppm	Week : 9	100	3.76	0.01	2.3
0333_06	2500 ppm	Week : 9	539	9.4	0.13	0.79
0334_06	2500 ppm	Week : 9	230	5.9	0.01	6.95
0335_06	2500 ppm	Week : 9	266	6.58	0.02	2.17
0336_06	2500 ppm	Week : 9	294	7.45	0.03	3.21
0338_06	2500 ppm	Week : 9	300	7.04	0.02	3.92
0339_06	2500 ppm	Week : 9	65	2.64	0.01	11.25
0340_06	2500 ppm	Week : 9	111	7.04	0.08	4.16
0341_06	5000 ppm	Week : 9	493	8.58	0.1	0.88
0342_06	5000 ppm	Week : 9	547	9.03	0.14	0.63
0343_06	5000 ppm	Week : 9	466	8.82	0.21	0.3
0344_06	5000 ppm	Week : 9	475	8.35	0.04	0.91
0345_06	5000 ppm	Week : 9	482	8.2	0.04	1.2
0346_06	5000 ppm	Week : 9	541	8.31	0.2	1.01
0347_06	5000 ppm	Week : 9	490	9.58	0.14	0.75
0348_06	5000 ppm	Week : 9	560	8.67	0.22	1.22

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Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Platelet Count 1000 per uL	Red Blood Cell Count million per uL	Reticulocyte Count million per uL	Segmented Neutrophil Count 1000 per uL
0348_06	5000 ppm	Week : 9	560	8.67	0.22	1.22
0349_06	5000 ppm	Week : 9	530	8.56	0.03	0.69
0350_06	5000 ppm	Week : 9	623	8	0.19	0.92
0351_06	5000 ppm	Week : 9	472	8.48	0.17	1.01
0352_06	5000 ppm	Week : 9	489	8.65	0.16	1.06
0353_06	5000 ppm	Week : 9	302	9	0.1	1.94
0354_06	5000 ppm	Week : 9	490	8.49	0.07	0.65
0355_06	5000 ppm	Week : 9	492	8.63	0.21	1.15
0356_06	5000 ppm	Week : 9	307	7.32	0.04	1.87
0357_06	5000 ppm	Week : 9	497	8.58	0.14	1.3
0359_06	5000 ppm	Week : 9	263	7.37	0.01	4.82
0360_06	5000 ppm	Week : 9	127	5.62	0	0.9

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First Dose M/F: NA / NA

Lab: NA

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**MALE**

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Animal No.	Dose	Time In Study	White Blood Cell Count 1000 per uL
0301_06	0 ppm	Week : 9	6.5
0302_06	0 ppm	Week : 9	6.3
0303_06	0 ppm	Week : 9	5.4
0304_06	0 ppm	Week : 9	6.5
0305_06	0 ppm	Week : 9	7.6
0306_06	0 ppm	Week : 9	7.1
0307_06	0 ppm	Week : 9	5.4
0308_06	0 ppm	Week : 9	6.4
0309_06	0 ppm	Week : 9	5.8
0310_06	0 ppm	Week : 9	6.8
0312_06	0 ppm	Week : 9	430
0313_06	0 ppm	Week : 9	132.8
0314_06	0 ppm	Week : 9	297
0315_06	0 ppm	Week : 9	537
0316_06	0 ppm	Week : 9	490
0317_06	0 ppm	Week : 9	36.2
0318_06	0 ppm	Week : 9	451
0319_06	0 ppm	Week : 9	52.8
0320_06	0 ppm	Week : 9	414
0321_06	2500 ppm	Week : 9	5
0322_06	2500 ppm	Week : 9	7.1
0323_06	2500 ppm	Week : 9	6.1

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Lab: NA

**MALE**

Animal No.	Dose	Time In Study	White Blood Cell Count 1000 per uL
0324_06	2500 ppm	Week : 9	4.3
0325_06	2500 ppm	Week : 9	6
0326_06	2500 ppm	Week : 9	5.5
0329_06	2500 ppm	Week : 9	6.6
0330_06	2500 ppm	Week : 9	5.5
0331_06	2500 ppm	Week : 9	20.7
0332_06	2500 ppm	Week : 9	230
0333_06	2500 ppm	Week : 9	7.2
0334_06	2500 ppm	Week : 9	139
0335_06	2500 ppm	Week : 9	54.3
0336_06	2500 ppm	Week : 9	45.9
0338_06	2500 ppm	Week : 9	56
0339_06	2500 ppm	Week : 9	375
0340_06	2500 ppm	Week : 9	104
0341_06	5000 ppm	Week : 9	5.9
0342_06	5000 ppm	Week : 9	4.5
0343_06	5000 ppm	Week : 9	6
0344_06	5000 ppm	Week : 9	4.8
0345_06	5000 ppm	Week : 9	4.6
0346_06	5000 ppm	Week : 9	5.6
0347_06	5000 ppm	Week : 9	5.8
0348_06	5000 ppm	Week : 9	6.4

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First Dose M/F: NA / NA

Lab: NA

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**MALE**

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Animal No.	Dose	Time In Study	White Blood Cell Count 1000 per uL
0348_06	5000 ppm	Week : 9	6.4
0349_06	5000 ppm	Week : 9	4.9
0350_06	5000 ppm	Week : 9	4.6
0351_06	5000 ppm	Week : 9	5.6
0352_06	5000 ppm	Week : 9	5.3
0353_06	5000 ppm	Week : 9	10.8
0354_06	5000 ppm	Week : 9	5.4
0355_06	5000 ppm	Week : 9	5
0356_06	5000 ppm	Week : 9	17
0357_06	5000 ppm	Week : 9	5.9
0359_06	5000 ppm	Week : 9	37.1
0360_06	5000 ppm	Week : 9	90

\*\* END OF REPORT \*\*