

**Experiment Number:** 05198-04

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

**P44: Hematology Data**

**Date Report Requested:** 10/24/2014

**Time Report Requested:** 11:37:10

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

**Lab:** NA

**C Number:** C54853C

**Cage Range:** All

**Date Range:** All

**Reasons For Removal:** All

**Removal Date Range:** All

**Treatment Groups:** All

**Study Gender:** Both

## MALE

Animal No.	Dose	Time In Study	Band Neutrophil Count 1000 per microliter	Eosinophil Count	Hematocrit %	Hemoglobin g per dL
0121_04	0 ppm	Week : 13	0	0	49.1	15.5
0122_04	0 ppm	Week : 13	0	0.09	47.9	15.9
0123_04	0 ppm	Week : 13	0	0	43.8	14.7
0124_04	0 ppm	Week : 13	0.05	0	47.9	15.6
0125_04	0 ppm	Week : 13	0	0.16	44.8	14.8
0126_04	0 ppm	Week : 13	0	0	45.3	15.3
0127_04	0 ppm	Week : 13	0	0	36.6	12.8
0128_04	0 ppm	Week : 13	0	0	45.5	15.6
0129_04	0 ppm	Week : 13	0	0.07	49.5	16.2
0130_04	0 ppm	Week : 13	0	0	46.2	15.2
0131_04	5000 ppm	Week : 13	0	0	44.5	14.2
0132_04	5000 ppm	Week : 13	0	0.05	46.2	14.1
0133_04	5000 ppm	Week : 13	0	0.05	44.4	14.1
0134_04	5000 ppm	Week : 13	0	0.07	45.3	14.1
0135_04	5000 ppm	Week : 13	0	0	47.8	14.7
0136_04	5000 ppm	Week : 13	0	0.22	44.1	13.7
0137_04	5000 ppm	Week : 13	0	0.04	45.9	14.8
0138_04	5000 ppm	Week : 13	0	0.05	46	14.1
0139_04	5000 ppm	Week : 13	0	0.14	43.4	14
0140_04	5000 ppm	Week : 13	0	0.16	46.9	14.3
0141_04	10000 ppm	Week : 13	0.08	0.08	28.4	8.4

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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
0142_04	10000 ppm	Week : 13	0	0.12	22.1	6.9
0143_04	10000 ppm	Week : 13	0.21	0	23.7	7.2
0144_04	10000 ppm	Week : 13	0.09	0.09	27.7	8.1
0145_04	10000 ppm	Week : 13	0.13	0.27	27.8	8.3
0146_04	10000 ppm	Week : 13	0	0.11	27.8	8.5
0147_04	10000 ppm	Week : 13	0	0	25.6	8.3
0148_04	10000 ppm	Week : 13	0	0.26	17.9	6.3
0149_04	10000 ppm	Week : 13	0.35	0	22.5	7.7
0150_04	10000 ppm	Week : 13	0.3	0.3	28.1	8.7

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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
0121_04	0 ppm	Week : 13	6.16	16.4	31.6	52
0122_04	0 ppm	Week : 13	7.65	17.1	33.2	52
0123_04	0 ppm	Week : 13	4.05	17.2	33.6	51
0124_04	0 ppm	Week : 13	4.14	17	32.6	52
0125_04	0 ppm	Week : 13	6.64	17	33	51
0126_04	0 ppm	Week : 13	4.32	17.7	33.8	52
0127_04	0 ppm	Week : 13	3.77	17.8	35	51
0128_04	0 ppm	Week : 13	7.57	17.5	34.3	51
0129_04	0 ppm	Week : 13	4.82	16.7	32.7	51
0130_04	0 ppm	Week : 13	6.06	17	32.9	52
0131_04	5000 ppm	Week : 13	6.32	17.2	31.9	54
0132_04	5000 ppm	Week : 13	3.98	16.7	30.5	55
0133_04	5000 ppm	Week : 13	4.27	17.1	31.8	54
0134_04	5000 ppm	Week : 13	5.49	16.7	31.1	54
0135_04	5000 ppm	Week : 13	5.54	16.3	30.7	53
0136_04	5000 ppm	Week : 13	5.26	16.4	31.1	53
0137_04	5000 ppm	Week : 13	3.23	17	32.2	53
0138_04	5000 ppm	Week : 13	4.03	16.5	30.7	54
0139_04	5000 ppm	Week : 13	5.32	17	32.3	53
0140_04	5000 ppm	Week : 13	3.69	16.2	30.5	53
0141_04	10000 ppm	Week : 13	5.96	18.7	29.6	63

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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
0142_04	10000 ppm	Week : 13	8.09	21.7	31.2	69
0143_04	10000 ppm	Week : 13	6.47	20	30.4	66
0144_04	10000 ppm	Week : 13	6.3	19.2	29.2	66
0145_04	10000 ppm	Week : 13	8.44	20.1	29.8	67
0146_04	10000 ppm	Week : 13	6.87	19.5	30.6	64
0147_04	10000 ppm	Week : 13	26.91	24.8	32.4	76
0148_04	10000 ppm	Week : 13	18.87	25.2	35.2	72
0149_04	10000 ppm	Week : 13	26.91	25.6	34.2	75
0150_04	10000 ppm	Week : 13	21.31	22.5	31	73

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**MALE**


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Animal No.	Dose	Time In Study	Methemoglobin Pct Hgb %	Monocyte Count 1000 per uL	Neutrophil Count 1000 per uL	Nucleated Rbc Count 1000 per uL
0121_04	0 ppm	Week : 13	1.9	0.08	1.86	0
0122_04	0 ppm	Week : 13	1.3	0.09	1.07	0
0123_04	0 ppm	Week : 13	1.1	0.1	0.85	0
0124_04	0 ppm	Week : 13	0.9	0.09	0.42	0
0125_04	0 ppm	Week : 13	0.7	0	1.39	0
0126_04	0 ppm	Week : 13	0.9	0	1.68	0
0127_04	0 ppm	Week : 13	0.9	0	1.13	0
0128_04	0 ppm	Week : 13	1.1	0.09	1.14	0
0129_04	0 ppm	Week : 13	0.9	0.15	2.26	0
0130_04	0 ppm	Week : 13	1.5	0.07	1.17	0
0131_04	5000 ppm	Week : 13	1	0.07	0.71	0
0132_04	5000 ppm	Week : 13	0.8	0	1.27	0
0133_04	5000 ppm	Week : 13	0.6	0.22	0.86	0
0134_04	5000 ppm	Week : 13	0.8	0.07	1.07	0.1
0135_04	5000 ppm	Week : 13	1.7	0.07	0.99	0
0136_04	5000 ppm	Week : 13	0.8	0.07	1.75	0
0137_04	5000 ppm	Week : 13	0.4	0	0.53	0
0138_04	5000 ppm	Week : 13	1.2	0	1.02	0
0139_04	5000 ppm	Week : 13	2.8	0.07	1.47	0
0140_04	5000 ppm	Week : 13	0.04	0.05	1.3	0
0141_04	10000 ppm	Week : 13	1.8	0	2.27	0.2
0142_04	10000 ppm	Week : 13	1.4	0.24	3.45	3.3

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First Dose M/F: NA / NA

Lab: NA

**MALE**

Animal No.	Dose	Time In Study	Methemoglobin Pct Hgb %	Monocyte Count 1000 per uL	Neutrophil Count 1000 per uL	Nucleated Rbc Count 1000 per uL
0143_04	10000 ppm	Week : 13	1.8	0	3.92	4
0144_04	10000 ppm	Week : 13	1.5	0	2.52	0.4
0145_04	10000 ppm	Week : 13	1.8	0	4.56	2.8
0146_04	10000 ppm	Week : 13	0.4	0	3.92	1.3
0147_04	10000 ppm	Week : 13	0.4	0	2.99	17
0148_04	10000 ppm	Week : 13	2.2	0	6.38	6.1
0149_04	10000 ppm	Week : 13	0.9	0.35	6.9	14.1
0150_04	10000 ppm	Week : 13	24.5*	0.59	7.1	11.8

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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	White Blood Cell Count 1000 per uL
0121_04	0 ppm	Week : 13	530	9.45	0.2	8.1
0122_04	0 ppm	Week : 13	640	9.3	0.2	8.9
0123_04	0 ppm	Week : 13	587	8.56	0.1	5
0124_04	0 ppm	Week : 13	554	9.16	0	4.7
0125_04	0 ppm	Week : 13	577	8.7	0	8.2
0126_04	0 ppm	Week : 13	674	8.63	0	6
0127_04	0 ppm	Week : 13	579	7.19	0	4.9
0128_04	0 ppm	Week : 13	683	8.9	0	8.8
0129_04	0 ppm	Week : 13	577	9.72	0	7.3
0130_04	0 ppm	Week : 13	651	8.96	0.1	7.3
0131_04	5000 ppm	Week : 13	519	8.26	0	7.1
0132_04	5000 ppm	Week : 13	551	8.42	0	5.3
0133_04	5000 ppm	Week : 13	557	8.26	0.1	5.4
0134_04	5000 ppm	Week : 13	526	8.42	0.1	6.7
0135_04	5000 ppm	Week : 13	486	9	0.1	6.6
0136_04	5000 ppm	Week : 13	489	8.36	0.1	7.3
0137_04	5000 ppm	Week : 13	419	8.72	0	3.8
0138_04	5000 ppm	Week : 13	441	8.54	0	5.1
0139_04	5000 ppm	Week : 13	507	8.25	0	7
0140_04	5000 ppm	Week : 13	453	8.83	0.1	5.2
0141_04	10000 ppm	Week : 13	531	4.5	0.3	8.4
0142_04	10000 ppm	Week : 13	438	3.18	0.3	11.9



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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	White Blood Cell Count 1000 per uL
0143_04	10000 ppm	Week : 13	541	3.59	0.5	10.6
0144_04	10000 ppm	Week : 13	520	4.21	0.3	9
0145_04	10000 ppm	Week : 13	484	4.13	0.4	13.4
0146_04	10000 ppm	Week : 13	583	4.35	0.1	10.9
0147_04	10000 ppm	Week : 13	478	3.35	0.8	29.9
0148_04	10000 ppm	Week : 13	635	2.5	0.6	25.5
0149_04	10000 ppm	Week : 13	668	3.01	1	34.5
0150_04	10000 ppm	Week : 13	394	3.87	0.8	29.6

## FEMALE

Animal No.	Dose	Time In Study	Band Neutrophil Count 1000 per microliter	Eosinophil Count	Hematocrit %	Hemoglobin g per dL
0151_04	0 ppm	Week : 13	0	0.05	43.7	14.6
0152_04	0 ppm	Week : 13	0	0	45.7	15.3
0153_04	0 ppm	Week : 13	0	0	44.8	14.9
0154_04	0 ppm	Week : 13	0	0.07	44.3	15.4
0155_04	0 ppm	Week : 13	0	0.1	43.2	15
0156_04	0 ppm	Week : 13	0	0.21	45.1	14.5
0157_04	0 ppm	Week : 13	0	0	44.1	14.7
0158_04	0 ppm	Week : 13	0	0.11	46.4	15.1
0159_04	0 ppm	Week : 13	0	0.15	45.1	14.8
0161_04	5000 ppm	Week : 13	0	0	45.7	13.7
0163_04	5000 ppm	Week : 13	0	0	44.2	14
0164_04	5000 ppm	Week : 13	0	0	43	13.8
0165_04	5000 ppm	Week : 13	0			
0166_04	5000 ppm	Week : 13	0	0.07	44.3	13.9
0167_04	5000 ppm	Week : 13	0	0	41.4	13.8
0168_04	5000 ppm	Week : 13	0	0.06	43.7	13.3
0169_04	5000 ppm	Week : 13	0	0	44.8	14.1
0170_04	5000 ppm	Week : 13	0	0.06	41.2	13.4
0171_04	10000 ppm	Week : 13	0	0.12	34.9	10.9
0172_04	10000 ppm	Week : 13	0	0	36.6	11.4
0173_04	10000 ppm	Week : 13	0	0	38.1	11.6

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Lab: NA

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**FEMALE**

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Animal No.	Dose	Time In Study	Band Neutrophil Count 1000 per microliter	Eosinophil Count	Hematocrit %	Hemoglobin g per dL
0174_04	10000 ppm	Week : 13	0	0.11	34.7	10.9
0175_04	10000 ppm	Week : 13	0	0.16	35.6	11.2
0176_04	10000 ppm	Week : 13	0	0	36.6	11.4
0177_04	10000 ppm	Week : 13	0	0.07	30.7	9.5
0178_04	10000 ppm	Week : 13	0	0	31.6	9.9
0179_04	10000 ppm	Week : 13	0	0	36.3	11.5
0180_04	10000 ppm	Week : 13	0	0	34.5	11

## FEMALE

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
0151_04	0 ppm	Week : 13	3.59	18	33.4	54
0152_04	0 ppm	Week : 13	4.51	18.1	33.5	54
0153_04	0 ppm	Week : 13	5.45	18.3	33.3	55
0154_04	0 ppm	Week : 13	5.81	18.6	34.8	54
0155_04	0 ppm	Week : 13	3.59	18.6	34.7	54
0156_04	0 ppm	Week : 13	4.11	17.6	32.1	55
0157_04	0 ppm	Week : 13	4.41	18.2	33.1	55
0158_04	0 ppm	Week : 13	3.82	18.1	32.5	56
0159_04	0 ppm	Week : 13	5.78	18.3	32.8	56
0161_04	5000 ppm	Week : 13	4.21	17.1	30	57
0163_04	5000 ppm	Week : 13	5.83	17.8	31.7	56
0164_04	5000 ppm	Week : 13	4.42	17.9	32.1	56
0165_04	5000 ppm	Week : 13				
0166_04	5000 ppm	Week : 13	4.47	18.1	31.4	58
0167_04	5000 ppm	Week : 13	4.76	19.2	33.3	58
0168_04	5000 ppm	Week : 13	4.64	17.6	30.4	58
0169_04	5000 ppm	Week : 13	4.62	18	31.5	57
0170_04	5000 ppm	Week : 13	4.62	18.4	32.5	57
0171_04	10000 ppm	Week : 13	10.66	23.4	31.2	75
0172_04	10000 ppm	Week : 13	9.7	22.2	31.1	71
0173_04	10000 ppm	Week : 13	7.3	22.7	30.4	75

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First Dose M/F: NA / NA

Lab: NA

**FEMALE**

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
0174_04	10000 ppm	Week : 13	9.05	23.8	31.4	76
0175_04	10000 ppm	Week : 13	12.8	23.1	31.5	74
0176_04	10000 ppm	Week : 13	7.15	23.7	31.1	76
0177_04	10000 ppm	Week : 13	6.44	24.7	30.9	80
0178_04	10000 ppm	Week : 13	8.73	25.3	31.3	81
0179_04	10000 ppm	Week : 13	10.88	24	31.7	76
0180_04	10000 ppm	Week : 13	11.74	24.8	31.9	78

## FEMALE

Animal No.	Dose	Time In Study	Methemoglobin Pct Hgb %	Monocyte Count 1000 per uL	Neutrophil Count 1000 per uL	Nucleated Rbc Count 1000 per uL
0151_04	0 ppm	Week : 13	1.3	0	1.56	0
0152_04	0 ppm	Week : 13	0.6	0	0.8	0
0153_04	0 ppm	Week : 13	0.6	0.07	1.38	0
0154_04	0 ppm	Week : 13	1.3	0.21	0.91	0
0155_04	0 ppm	Week : 13	1.4	0.1	1.4	0
0156_04	0 ppm	Week : 13	0.4	0	0.88	0
0157_04	0 ppm	Week : 13	1	0	1.39	0
0158_04	0 ppm	Week : 13	0.6	0.06	1.71	0
0159_04	0 ppm	Week : 13	1.4	0	1.58	0
0161_04	5000 ppm	Week : 13	1.1	0	1.13	0
0163_04	5000 ppm	Week : 13	0.6	0	2.87	0
0164_04	5000 ppm	Week : 13	0.8	0	1.98	0
0165_04	5000 ppm	Week : 13	1.1	0		0
0166_04	5000 ppm	Week : 13	1.1	0.14	2.41	0
0167_04	5000 ppm	Week : 13	0.6	0	1.34	0.1
0168_04	5000 ppm	Week : 13	1.1	0	1.4	0
0169_04	5000 ppm	Week : 13	0.6	0	1.89	0.1
0170_04	5000 ppm	Week : 13	1.1	0	1.82	0
0171_04	10000 ppm	Week : 13	1.5	0	1.61	0.7
0172_04	10000 ppm	Week : 13	1.1	0	1.2	0.9
0173_04	10000 ppm	Week : 13	2.2	0	1.5	0.2
0174_04	10000 ppm	Week : 13	1.2	0	1.74	1.2

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First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	Methemoglobin Pct Hgb %	Monocyte Count 1000 per uL	Neutrophil Count 1000 per uL	Nucleated Rbc Count 1000 per uL
0175_04	10000 ppm	Week : 13	2	0.32	2.53	0.8
0176_04	10000 ppm	Week : 13	2.3	0	0.15	0.1
0177_04	10000 ppm	Week : 13	1.7	0	0.49	0.6
0178_04	10000 ppm	Week : 13	1.9	0.09	0.18	2.2
0179_04	10000 ppm	Week : 13	0.8	0.14	2.58	0.9
0180_04	10000 ppm	Week : 13	1.7	0	0.36	0.7

## FEMALE

Animal No.	Dose	Time In Study	Platelet Count 1000 per uL	Red Blood Cell Count million per uL	Reticulocyte Count million per uL	White Blood Cell Count 1000 per uL
0151_04	0 ppm	Week : 13	702	8.11	0	5.2
0152_04	0 ppm	Week : 13	677	8.46	0	5.3
0153_04	0 ppm	Week : 13	679	8.13	0	6.9
0154_04	0 ppm	Week : 13	717	8.28	0	7
0155_04	0 ppm	Week : 13	696	8.05	0	5.2
0156_04	0 ppm	Week : 13	692	8.25	0	5.2
0157_04	0 ppm	Week : 13	657	8.05	0.1	5.8
0158_04	0 ppm	Week : 13	730	8.35	0.1	5.7
0159_04	0 ppm	Week : 13	729	8.07	0.1	7.5
0161_04	5000 ppm	Week : 13	577	8.01	0	5.4
0163_04	5000 ppm	Week : 13	586	7.87	0	8.7
0164_04	5000 ppm	Week : 13	616	7.72	0.1	6.4
0165_04	5000 ppm	Week : 13	551			
0166_04	5000 ppm	Week : 13	621	7.67	0	7.1
0167_04	5000 ppm	Week : 13	583	7.19	0	6.1
0168_04	5000 ppm	Week : 13	590	7.57	0	6.1
0169_04	5000 ppm	Week : 13	575	7.83	0.1	6.5
0170_04	5000 ppm	Week : 13	526	7.27	0.2	6.5
0171_04	10000 ppm	Week : 13	266	4.65	1.3	12.4
0172_04	10000 ppm	Week : 13	324	5.13	0.8	10.9
0173_04	10000 ppm	Week : 13	291	5.11	0.5	8.8
0174_04	10000 ppm	Week : 13	293	4.57	0.8	10.9



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First Dose M/F: NA / NA

Lab: NA

**FEMALE**

Animal No.	Dose	Time In Study	Platelet Count 1000 per uL	Red Blood Cell Count million per uL	Reticulocyte Count million per uL	White Blood Cell Count 1000 per uL
0175_04	10000 ppm	Week : 13	295	4.84	1.4	15.8
0176_04	10000 ppm	Week : 13	195	4.81	1	7.3
0177_04	10000 ppm	Week : 13	181	3.84	1	7
0178_04	10000 ppm	Week : 13	194	3.91	1.4	9
0179_04	10000 ppm	Week : 13	342	4.78	1.5	13.6
0180_04	10000 ppm	Week : 13	260	4.43	1.3	12.1

\*\* END OF REPORT \*\*