

**Experiment Number:** C20724-04

**Test Type:** TOX

**Route:** Whole-Body Inhalation

**Species/Strain:** Mouse/B6C3F1/N

**C Number:**

C20724-04

**Cage Range:**

All

**Date Range:**

All

**Reasons For Removal:**

All

**Removal Date Range:**

All

**Treatment Groups:**

All

**Study Gender:**

Both

**PA43: Hematology Summary**

**Test Compound:** Acetoin

**CAS Number:** 513-86-0

**Date Report Requested:** 05/02/2017

**Time Report Requested:** 13:07:20

**Lab:** NTP

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**PA43: Hematology Summary**  
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**Lab:** NTP

**Male**

	Phase Day	Treatment Groups (ppm)			
		0	50	100	200
Hematocrit (Spun) (%)	SD 95	51.0 ± 0.3 (10)	51.1 ± 0.3 (10)	52.3 ± 0.4 (10)	50.9 ± 0.4 (9)
Percent of Control			100.2	102.6	99.9
Hemoglobin (g/dL)	SD 95	16.4 ± 0.1 (10)	16.4 ± 0.1 (10)	16.7 ± 0.1 (10)	16.5 ± 0.1 (10)
Percent of Control			100.0	101.8	100.4
Erythrocytes (10 <sup>6</sup> /uL)	SD 95	11.15 ± 0.11 (10)	11.20 ± 0.08 (10)	11.26 ± 0.08 (10)	11.08 ± 0.11 (10)
Percent of Control			100.49	101.03	99.35
Reticulocytes (10 <sup>3</sup> /uL)	SD 95	307.7 ± 7.8 (10)	319.6 ± 6.1 (10)	316.2 ± 4.9 (10)	322.4 ± 7.0 (10)
Percent of Control			103.9	102.8	104.8
Reticulocyte Percentage	SD 95	2.8 ± 0.1 (10)	2.9 ± 0.1 (10)	2.8 ± 0.0 (10)	2.9 ± 0.1 (10)
Percent of Control			102.5	100.7	105.0
Nucleated Red Blood Cells (/100 WBC)	SD 95	0.00 ± 0.00 (10)	0.00 ± 0.00 (10)	0.00 ± 0.00 (10)	0.10 ± 0.10 (10)
Percent of Control					
Total Nucleated Cells (K/uL)	SD 95	3.59 ± 0.32 (10)	3.02 ± 0.14 (10)	2.79 ± 0.33 (10)	3.17 ± 0.34 (10)
Percent of Control			84.17	77.60	88.24
Mean Cell Volume (fL)	SD 95	45.9 ± 0.2 (10)	45.5 ± 0.1 (10)	46.3 ± 0.2 (10)	45.9 ± 0.2 (10)
Percent of Control			99.0	100.8	100.0
Mean Cell Hemoglobin (pg)	SD 95	14.7 ± 0.1 (10)	14.6 ± 0.0 (10)	14.8 ± 0.1 (10)	14.9 ± 0.1 (10)
Percent of Control			99.5	100.8	101.1
Mean Cell Hemoglobin Concentration (g/dL)	SD 95	32.0 ± 0.2 (10)	32.2 ± 0.1 (10)	32.0 ± 0.1 (10)	32.4 ± 0.1 (10)
Percent of Control			100.6	100.1	101.2
Packed Cell Volume (%)	SD 95	51.2 ± 0.5 (10)	50.9 ± 0.3 (10)	52.2 ± 0.4 (10)	50.9 ± 0.5 (10)
Percent of Control			99.5	102.0	99.4

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**Lab:** NTP

**Male**

	Phase Day	Treatment Groups (ppm)							
		0		50		100		200	
Platelets (10 <sup>3</sup> /uL)	SD 95	1308.0 ± 26	(10)	1329.0 ± 30	(10)	1262.0 ± 35	(10)	1301.0 ± 41	(10)
Percent of Control				102.0		96.0		99.0	
White Blood Cells (10 <sup>3</sup> /uL)	SD 95	3.59 ± 0.32	(10)	3.02 ± 0.14	(10)	2.79 ± 0.33	(10)	3.16 ± 0.34	(10)
Percent of Control				84.17		77.60		88.10	
Neutrophils (10 <sup>3</sup> /uL)	SD 95	0.54 ± 0.10	(10)	0.38 ± 0.03	(10)	0.31 ± 0.05	(10)	0.41 ± 0.06	(10)
Percent of Control				70.20		58.10		76.91	
Immature Neutrophils (10 <sup>3</sup> /uL) (K/uL)	SD 95	0.00 ± 0.00	(10)	0.00 ± 0.00	(10)	0.00 ± 0.00	(10)	0.00 ± 0.00	(10)
Percent of Control									
Lymphocytes (10 <sup>3</sup> /uL)	SD 95	2.83 ± 0.29	(10)	2.47 ± 0.12	(10)	2.34 ± 0.26	(10)	2.56 ± 0.27	(10)
Percent of Control				87.17		82.75		90.49	
Total Lymphocytes (10 <sup>3</sup> /uL)	SD 95	2.84 ± 0.29	(10)	2.48 ± 0.11	(10)	2.35 ± 0.26	(10)	2.57 ± 0.27	(10)
Percent of Control				87.16		82.59		90.43	
Monocytes (10 <sup>3</sup> /uL)	SD 95	0.07 ± 0.01	(10)	0.05 ± 0.01	(10)	0.04 ± 0.01	(10)	0.06 ± 0.01	(10)
Percent of Control				65.71		51.43		82.86	
Basophils (10 <sup>3</sup> /uL)	SD 95	0.01 ± 0.00	(10)	0.01 ± 0.00	(10)	0.00 ± 0.00	(10)	0.01 ± 0.00	(10)
Percent of Control				100.00		37.50		62.50	
Eosinophils (10 <sup>3</sup> /uL)	SD 95	0.13 ± 0.01	(10)	0.12 ± 0.02	(10)	0.09 ± 0.02	(10)	0.12 ± 0.02	(10)
Percent of Control				87.97		67.67		86.47	
Large Unstained Cells (10 <sup>3</sup> /uL)	SD 95	0.02 ± 0.00	(10)	0.01 ± 0.01	(10)	0.01 ± 0.00	(10)	0.01 ± 0.00	(10)
Percent of Control				80.00		46.67		80.00	
Howel Jolly Bodies Percentage	SD 95	0.1 ± 0.0	(10)	0.2 ± 0.0	(10)	0.2 ± 0.0	(10)	0.1 ± 0.0	(10)
Percent of Control				153.8		138.5		107.7	

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**Lab:** NTP

**Male**

	Phase Day	Treatment Groups (ppm)			
		0	50	100	200
Neutrophil Percentage Percent of Control	SD 95	15.2 ± 2.6 (10)	12.3 ± 0.8 (10) 80.9	10.8 ± 0.8 (10) 71.2	12.8 ± 1.3 (10) 84.3
Immature Neutrophil Percentage Percent of Control	SD 95	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)
Lymphocyte Percentage Percent of Control	SD 95	78.5 ± 2.7 (10)	81.6 ± 0.8 (10) 103.9	84.8 ± 1.4 (10) 108.0	81.4 ± 1.4 (10) 103.7
Total Lymphocyte Percentage Percent of Control	SD 95	78.9 ± 2.7 (10)	82.0 ± 0.8 (10) 103.9	85.1 ± 1.4 (10) 107.8	81.7 ± 1.4 (10) 103.5
Monocyte Percentage Percent of Control	SD 95	2.0 ± 0.2 (10)	1.5 ± 0.3 (10) 77.3	1.1 ± 0.3 (10) 56.6	1.9 ± 0.2 (10) 93.4
Basophil Percentage Percent of Control	SD 95	0.2 ± 0.1 (10)	0.2 ± 0.1 (10) 95.8	0.1 ± 0.0 (10) 45.8	0.1 ± 0.0 (10) 54.2
Eosinophil Percentage Percent of Control	SD 95	3.6 ± 0.3 (10)	3.9 ± 0.6 (10) 108.5	2.9 ± 0.7 (10) 80.2	3.5 ± 0.5 (10) 95.9
Large Unstained Cell Percentage Percent of Control	SD 95	0.4 ± 0.1 (10)	0.4 ± 0.2 (10) 105.0	0.2 ± 0.1 (10) 57.5	0.3 ± 0.1 (10) 82.5

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**Male**

	Phase Day	Treatment Groups (ppm)	
		400	800
Hematocrit (Spun) (%)	SD 95	51.6 ± 0.3 (10)	51.4 ± 0.3 (10)
Percent of Control		101.2	100.9
Hemoglobin (g/dL)	SD 95	16.5 ± 0.1 (10)	16.5 ± 0.1 (10)
Percent of Control		100.9	100.5
Erythrocytes (10 <sup>6</sup> /uL)	SD 95	11.15 ± 0.07 (10)	11.12 ± 0.10 (10)
Percent of Control		100.02	99.75
Reticulocytes (10 <sup>3</sup> /uL)	SD 95	305.6 ± 7.0 (10)	306.7 ± 5.5 (10)
Percent of Control		99.3	99.7
Reticulocyte Percentage	SD 95	2.8 ± 0.1 (10)	2.8 ± 0.1 (10)
Percent of Control		98.9	99.3
Nucleated Red Blood Cells (/100 WBC)	SD 95	0.00 ± 0.00 (10)	0.00 ± 0.00 (10)
Percent of Control			
Total Nucleated Cells (K/uL)	SD 95	3.08 ± 0.30 (10)	2.78 ± 0.33 (10)
Percent of Control		85.93	77.49
Mean Cell Volume (fL)	SD 95	46.3 ± 0.2 (10)	46.4 ± 0.2 (10)
Percent of Control		100.8	101.0
Mean Cell Hemoglobin (pg)	SD 95	14.8 ± 0.1 (10)	14.8 ± 0.1 (10)
Percent of Control		100.7	100.7
Mean Cell Hemoglobin Concentration (g/dL)	SD 95	32.1 ± 0.1 (10)	32.0 ± 0.2 (10)
Percent of Control		100.2	99.9
Packed Cell Volume (%)	SD 95	51.6 ± 0.3 (10)	51.6 ± 0.6 (10)
Percent of Control		100.8	100.8

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**Male**

	Phase Day	Treatment Groups (ppm)	
		400	800
Platelets (10 <sup>3</sup> /uL)	SD 95	1361.0 ± 24 (10)	1352.0 ± 29 (10)
Percent of Control		104.0	103.0
White Blood Cells (10 <sup>3</sup> /uL)	SD 95	3.08 ± 0.30 (10)	2.78 ± 0.33 (10)
Percent of Control		85.93	77.49
Neutrophils (10 <sup>3</sup> /uL)	SD 95	0.40 ± 0.06 (10)	0.34 ± 0.06 (10)
Percent of Control		73.74	62.57
Immature Neutrophils (10 <sup>3</sup> /uL) (K/uL)	SD 95	0.00 ± 0.00 (10)	0.00 ± 0.00 (10)
Percent of Control			
Lymphocytes (10 <sup>3</sup> /uL)	SD 95	2.54 ± 0.22 (10)	2.30 ± 0.25 (10)
Percent of Control		89.71	81.34
Total Lymphocytes (10 <sup>3</sup> /uL)	SD 95	2.55 ± 0.23 (10)	2.31 ± 0.25 (10)
Percent of Control		89.62	81.18
Monocytes (10 <sup>3</sup> /uL)	SD 95	0.05 ± 0.01 (10)	0.04 ± 0.01 (10)
Percent of Control		67.14	57.14
Basophils (10 <sup>3</sup> /uL)	SD 95	0.01 ± 0.00 (10)	0.00 ± 0.00 (10)
Percent of Control		62.50	50.00
Eosinophils (10 <sup>3</sup> /uL)	SD 95	0.09 ± 0.02 (10)	0.10 ± 0.03 (10)
Percent of Control		67.67	71.43
Large Unstained Cells (10 <sup>3</sup> /uL)	SD 95	0.01 ± 0.00 (10)	0.01 ± 0.00 (10)
Percent of Control		66.67	46.67
Howel Jolly Bodies Percentage	SD 95	0.1 ± 0.0 (10)	0.2 ± 0.0 (10)
Percent of Control		84.6	123.1

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**Male**

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	Phase Day	Treatment Groups (ppm)	
		400	800
Neutrophil Percentage Percent of Control	SD 95	12.5 ± 0.7 (10) 82.2	11.6 ± 1.0 (10) 76.3
Immature Neutrophil Percentage Percent of Control	SD 95	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)
Lymphocyte Percentage Percent of Control	SD 95	82.9 ± 0.9 (10) 105.5	83.8 ± 1.6 (10) 106.7
Total Lymphocyte Percentage Percent of Control	SD 95	83.2 ± 0.8 (10) 105.4	84.0 ± 1.6 (10) 106.5
Monocyte Percentage Percent of Control	SD 95	1.4 ± 0.3 (10) 70.2	1.2 ± 0.4 (10) 60.6
Basophil Percentage Percent of Control	SD 95	0.1 ± 0.0 (10) 54.2	0.1 ± 0.1 (10) 54.2
Eosinophil Percentage Percent of Control	SD 95	2.8 ± 0.5 (10) 77.4	3.1 ± 1.0 (10) 85.1
Large Unstained Cell Percentage Percent of Control	SD 95	0.3 ± 0.1 (10) 72.5	0.2 ± 0.1 (10) 52.5

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Female

	Phase Day	Treatment Groups (ppm)			
		0	50	100	200
Hematocrit (Spun) (%)	SD 96	51.4 ± 0.5 (10)	51.8 ± 0.5 (10)	51.4 ± 0.3 (10)	51.6 ± 0.4 (10)
Percent of Control			100.7	99.9	100.4
Hemoglobin (g/dL)	SD 96	16.6 ± 0.1 (10)	16.7 ± 0.2 (10)	16.5 ± 0.1 (10)	16.7 ± 0.1 (10)
Percent of Control			100.5	99.6	101.0
Erythrocytes (10 <sup>6</sup> /uL)	SD 96	10.85 ± 0.09 (10)	10.99 ± 0.08 (10)	10.81 ± 0.07 (10)	10.96 ± 0.05 (10)
Percent of Control			101.23	99.65	101.01
Reticulocytes (10 <sup>3</sup> /uL)	SD 96	316.0 ± 12.3 (10)	297.9 ± 21.1 (10)	336.8 ± 30.8 (10)	328.3 ± 11.9 (10)
Percent of Control			94.3	106.6	103.9
Reticulocyte Percentage	SD 96	2.9 ± 0.1 (10)	2.7 ± 0.2 (10)	3.1 ± 0.3 (10)	3.0 ± 0.1 (10)
Percent of Control			92.8	107.5	102.7
Nucleated Red Blood Cells (/100 WBC)	SD 96	0.00 ± 0.00 (10)	0.00 ± 0.00 (10)	0.00 ± 0.00 (10)	0.00 ± 0.00 (10)
Percent of Control					
Total Nucleated Cells (K/uL)	SD 96	3.40 ± 0.23 (10)	3.70 ± 0.29 (10)	2.93 ± 0.25 (10)	3.17 ± 0.16 (10)
Percent of Control			108.92	86.33	93.43
Mean Cell Volume (fL)	SD 96	46.7 ± 0.2 (10)	46.7 ± 0.2 (10)	46.8 ± 0.1 (10)	47.0 ± 0.2 (10)
Percent of Control			100.0	100.1	100.6
Mean Cell Hemoglobin (pg)	SD 96	15.3 ± 0.1 (10)	15.2 ± 0.1 (10)	15.2 ± 0.1 (10)	15.3 ± 0.0 (10)
Percent of Control			99.1	99.7	99.8
Mean Cell Hemoglobin Concentration (g/dL)	SD 96	32.7 ± 0.2 (10)	32.4 ± 0.2 (10)	32.6 ± 0.1 (10)	32.5 ± 0.1 (10)
Percent of Control			99.1	99.6	99.2
Packed Cell Volume (%)	SD 96	50.7 ± 0.5 (10)	51.3 ± 0.4 (10)	50.6 ± 0.3 (10)	51.5 ± 0.2 (10)
Percent of Control			101.2	99.7	101.6



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Female

	Phase Day	Treatment Groups (ppm)							
		0		50		100		200	
Platelets (10 <sup>3</sup> /uL)	SD 96	1176.0 ± 33	(10)	1174.0 ± 32	(10)	1171.0 ± 46	(10)	1259.0 ± 31	(10)
Percent of Control				100.0		100.0		107.0	
White Blood Cells (10 <sup>3</sup> /uL)	SD 96	3.40 ± 0.23	(10)	3.70 ± 0.29	(10)	2.93 ± 0.25	(10)	3.17 ± 0.16	(10)
Percent of Control				108.92		86.33		93.43	
Neutrophils (10 <sup>3</sup> /uL)	SD 96	0.43 ± 0.06	(10)	0.55 ± 0.10	(10)	0.39 ± 0.06	(10)	0.37 ± 0.05	(10)
Percent of Control				128.87		91.08		87.09	
Immature Neutrophils (10 <sup>3</sup> /uL) (K/uL)	SD 96	0.00 ± 0.00	(10)	0.00 ± 0.00	(10)	0.00 ± 0.00	(10)	0.00 ± 0.00	(10)
Percent of Control									
Lymphocytes (10 <sup>3</sup> /uL)	SD 96	2.79 ± 0.18	(10)	3.05 ± 0.19	(10)	2.44 ± 0.22	(10)	2.65 ± 0.10	(10)
Percent of Control				109.18		87.35		95.13	
Total Lymphocytes (10 <sup>3</sup> /uL)	SD 96	2.81 ± 0.18	(10)	3.05 ± 0.20	(10)	2.45 ± 0.22	(10)	2.67 ± 0.11	(10)
Percent of Control				108.68		87.08		95.05	
Monocytes (10 <sup>3</sup> /uL)	SD 96	0.06 ± 0.01	(10)	0.05 ± 0.01	(10)	0.04 ± 0.01	(10)	0.06 ± 0.01	(10)
Percent of Control				87.50		62.50		103.57	
Basophils (10 <sup>3</sup> /uL)	SD 96	0.01 ± 0.00	(10)	0.00 ± 0.00	(10)	0.00 ± 0.00	(10)	0.01 ± 0.00	(10)
Percent of Control				60.00		80.00		140.00	
Eosinophils (10 <sup>3</sup> /uL)	SD 96	0.10 ± 0.02	(10)	0.05 ± 0.01	(10)	0.06 ± 0.01	(10)	0.07 ± 0.01	(10)
Percent of Control				47.96		56.12		71.43	
Large Unstained Cells (10 <sup>3</sup> /uL)	SD 96	0.02 ± 0.01	(10)	0.01 ± 0.00	(10)	0.01 ± 0.01	(10)	0.02 ± 0.00	(10)
Percent of Control				35.00		55.00		90.00	
Howel Jolly Bodies Percentage	SD 96	0.1 ± 0.0	(10)	0.1 ± 0.0	(10)	0.1 ± 0.0	(10)	0.1 ± 0.0	(10)
Percent of Control				100.0		109.1		72.7	

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**Female**

	Phase Day	Treatment Groups (ppm)			
		0	50	100	200
Neutrophil Percentage Percent of Control	SD 96	12.3 ± 1.2 (10)	14.3 ± 1.5 (10) 116.0	13.8 ± 1.7 (10) 111.5	11.3 ± 0.9 (10) 91.8
Immature Neutrophil Percentage Percent of Control	SD 96	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)
Lymphocyte Percentage Percent of Control	SD 96	82.5 ± 1.4 (10)	83.1 ± 1.8 (10) 100.8	83.0 ± 1.8 (10) 100.7	84.1 ± 1.4 (10) 102.0
Total Lymphocyte Percentage Percent of Control	SD 96	83.0 ± 1.3 (10)	83.2 ± 1.7 (10) 100.3	83.3 ± 1.8 (10) 100.3	84.6 ± 1.3 (10) 101.9
Monocyte Percentage Percent of Control	SD 96	1.6 ± 0.3 (10)	1.3 ± 0.3 (10) 79.6	1.1 ± 0.4 (10) 68.5	1.7 ± 0.3 (10) 107.4
Basophil Percentage Percent of Control	SD 96	0.2 ± 0.1 (10)	0.1 ± 0.0 (10) 23.8	0.1 ± 0.1 (10) 42.9	0.2 ± 0.0 (10) 81.0
Eosinophil Percentage Percent of Control	SD 96	2.8 ± 0.5 (10)	1.2 ± 0.3 (10) 40.8	1.8 ± 0.3 (10) 62.8	2.2 ± 0.3 (10) 77.7
Large Unstained Cell Percentage Percent of Control	SD 96	0.6 ± 0.2 (10)	0.1 ± 0.1 (10) 25.0	0.3 ± 0.2 (10) 50.0	0.5 ± 0.1 (10) 91.1

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PA43: Hematology Summary

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Female

	Phase Day	Treatment Groups (ppm)	
		400	800
Hematocrit (Spun) (%)	SD 96	51.7 ± 0.4 (10)	50.5 ± 0.5 (10)
Percent of Control		100.6	98.2
Hemoglobin (g/dL)	SD 96	16.7 ± 0.2 (10)	16.4 ± 0.1 (10)
Percent of Control		101.0	98.8
Erythrocytes (10 <sup>6</sup> /uL)	SD 96	10.92 ± 0.13 (10)	10.90 ± 0.09 (10)
Percent of Control		100.67	100.41
Reticulocytes (10 <sup>3</sup> /uL)	SD 96	307.3 ± 17.5 (10)	322.5 ± 13.2 (10)
Percent of Control		97.2	102.0
Reticulocyte Percentage	SD 96	2.8 ± 0.2 (10)	3.0 ± 0.1 (10)
Percent of Control		96.6	101.4
Nucleated Red Blood Cells (/100 WBC)	SD 96	0.00 ± 0.00 (10)	0.00 ± 0.00 (10)
Percent of Control			
Total Nucleated Cells (K/uL)	SD 96	2.85 ± 0.25 (10)	2.68 ± 0.20 (10)
Percent of Control		83.92	78.79
Mean Cell Volume (fL)	SD 96	46.9 ± 0.2 (10)	46.5 ± 0.1 (10)
Percent of Control		100.4	99.4
Mean Cell Hemoglobin (pg)	SD 96	15.3 ± 0.1 (10)	15.0 ± 0.1 (10)
Percent of Control		100.4	98.3
Mean Cell Hemoglobin Concentration (g/dL)	SD 96	32.7 ± 0.1 (10)	32.3 ± 0.1 (10)
Percent of Control		99.9	98.9
Packed Cell Volume (%)	SD 96	51.2 ± 0.6 (10)	50.6 ± 0.4 (10)
Percent of Control		101.0	99.8

**Experiment Number:** C20724-04  
**Test Type:** TOX  
**Route:** Whole-Body Inhalation  
**Species/Strain:** Mouse/B6C3F1/N

**PA43: Hematology Summary**  
**Test Compound:** Acetoin  
**CAS Number:** 513-86-0

**Date Report Requested:** 05/02/2017  
**Time Report Requested:** 13:07:20  
**Lab:** NTP

**Female**

	Phase Day	Treatment Groups (ppm)	
		400	800
Platelets (10 <sup>3</sup> /uL)	SD 96	1304.0 ± 38 (10)	1272.0 ± 33 (10)
Percent of Control		111.0	108.0
White Blood Cells (10 <sup>3</sup> /uL)	SD 96	2.85 ± 0.25 (10)	2.68 ± 0.20 (10)
Percent of Control		83.92	78.79
Neutrophils (10 <sup>3</sup> /uL)	SD 96	0.35 ± 0.03 (10)	0.32 ± 0.04 (10)
Percent of Control		81.92	75.59
Immature Neutrophils (10 <sup>3</sup> /uL) (K/uL)	SD 96	0.00 ± 0.00 (10)	0.00 ± 0.00 (10)
Percent of Control			
Lymphocytes (10 <sup>3</sup> /uL)	SD 96	2.39 ± 0.23 (10)	2.25 ± 0.16 (10)
Percent of Control		85.59	80.47
Total Lymphocytes (10 <sup>3</sup> /uL)	SD 96	2.40 ± 0.23 (10)	2.25 ± 0.17 (10)
Percent of Control		85.48	80.14
Monocytes (10 <sup>3</sup> /uL)	SD 96	0.03 ± 0.01 (10)	0.04 ± 0.01 (10)
Percent of Control		58.93	67.86
Basophils (10 <sup>3</sup> /uL)	SD 96	0.01 ± 0.00 (10)	0.00 ± 0.00 (10)
Percent of Control		120.00	20.00
Eosinophils (10 <sup>3</sup> /uL)	SD 96	0.06 ± 0.01 (10)	0.06 ± 0.02 (10)
Percent of Control		61.22	62.24
Large Unstained Cells (10 <sup>3</sup> /uL)	SD 96	0.01 ± 0.00 (10)	0.01 ± 0.00 (10)
Percent of Control		65.00	30.00
Howel Jolly Bodies Percentage	SD 96	0.1 ± 0.0 (10)	0.1 ± 0.0 (10)
Percent of Control		100.0	90.9

**Experiment Number:** C20724-04  
**Test Type:** TOX  
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**Test Compound:** Acetoin  
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**Lab:** NTP

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**Female**

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	Phase Day	Treatment Groups (ppm)	
		400	800
Neutrophil Percentage Percent of Control	SD 96	12.7 ± 1.0 (10) 102.8	12.1 ± 1.2 (10) 97.9
Immature Neutrophil Percentage Percent of Control	SD 96	0.0 ± 0.0 (10)	0.0 ± 0.0 (10)
Lymphocyte Percentage Percent of Control	SD 96	83.4 ± 1.6 (10) 101.1	84.1 ± 1.4 (10) 102.0
Total Lymphocyte Percentage Percent of Control	SD 96	83.8 ± 1.5 (10) 101.0	84.4 ± 1.3 (10) 101.6
Monocyte Percentage Percent of Control	SD 96	1.1 ± 0.3 (10) 70.4	1.3 ± 0.3 (10) 80.2
Basophil Percentage Percent of Control	SD 96	0.2 ± 0.1 (10) 114.3	0.1 ± 0.0 (10) 33.3
Eosinophil Percentage Percent of Control	SD 96	2.2 ± 0.5 (10) 76.2	2.2 ± 0.5 (10) 77.7
Large Unstained Cell Percentage Percent of Control	SD 96	0.4 ± 0.1 (10) 78.6	0.2 ± 0.1 (10) 39.3

**Experiment Number:** C20724-04

**Test Type:** TOX

**Route:** Whole-Body Inhalation

**Species/Strain:** Mouse/B6C3F1/N

**PA43: Hematology Summary**

**Test Compound:** Acetoin

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#### LEGEND

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SD – Study Day; GD – Gestation Day; LD – Lactation Day; PND – Postnatal Day, adults post-weaning

Values given as mean  $\pm$  SEM (N) with Percent of Control calculated by (dosed group mean / control group mean) x 100

Hematology for gestation phase includes pregnant females only

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests

Statistical significance for the control group indicates a significant trend test

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

\* Statistically significant at  $P \leq 0.05$

\*\* Statistically significant at  $P \leq 0.01$

**\*\* END OF REPORT \*\***