

MEDICAL LABORATORY EVALUATION

PARTICIPANT SUMMARY

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**Hematology, Coagulation,
Blood Bank, Urinalysis
MLE – M2**



Total Commitment to Education and Service
Provided by ACP Services, Inc.

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2006 EVALUATION CRITERIA

The evaluation criteria used in the 2006 MLE Program is in accordance with the Clinical Laboratory Improvement Amendments of 1988 (CLIA '88) federal requirements for proficiency testing. The criteria are included below.

Quantitative

For quantitative procedures, a mean and standard deviation (SD) are calculated for each peer group consisting of 5 or more laboratories. Acceptable performance is established on a target value \pm the intervals below. An explanation on how to calculate the range of acceptability based upon these limits is also provided in your MLE Program Guide on pages 39-40 under the heading "Acceptable Ranges for Quantitative Results."

Hemoglobin	\pm 7 percent
Hematocrit	\pm 6 percent
Hematocrit, Waived	\pm 3SD
White Blood Cell Count	\pm 15 percent
Red Blood Cell Count	\pm 6 percent
Platelet Count	\pm 25 percent
Automated Differential	\pm 3 SD
Sedimentation Rate	\pm 3 SD
Prothrombin Time	\pm 15 percent
Activated Partial Thromboplastin Time	\pm 15 percent
Fibrinogen	\pm 20 percent
Whole Blood Prothrombin Time (IT samples)	Not Evaluated
Whole Blood Prothrombin Time (All other samples)	\pm 15 percent
International Normalized Ratio (IT samples and PTI samples)	\pm 3 SD
International Normalized Ratio (All other samples)	Not Evaluated
Specific Gravity	\pm 0.010
Reticulocyte Count	\pm 3 SD
Whole Blood Glucose – HemoCue	\pm 3 SD
Microalbumin (Quantitative)	\pm 3 SD
Creatinine, Urine (Quantitative)	\pm 3 SD

Qualitative

For qualitative procedures, evaluation is based on participant or referee consensus. If participant consensus is not reached, CMS requirements call for grading by referee consensus. A minimum percentage of participants or referee laboratories must receive a passing score or the challenge is not evaluated due to lack of consensus. These percentages are listed below.

Blood Cell Identification	80% Consensus
Urine Dipstick	80% Consensus
Urine hCG	80% Consensus
Microalbumin (Semi-Quantitative)	80% Consensus
Fecal Occult Blood	80% Consensus
Urine Sediment Identification	80% Consensus
Provider-Performed Microscopy	80% Consensus
KOH Skin Preparation	80% Consensus
ABO Group	95% Consensus
Rh Factor (D Type)	95% Consensus
Unexpected Antibody Detection	95% Consensus
Antibody Identification	95% Consensus
Compatibility Testing	95% Consensus

HEMOCUE HEMATOLOGY–HEMOGLOBIN (g/dL)

<u>Instruments</u>	Specimen HQ-3					Specimen HQ-4				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
HemoCue	141	5.39	0.17	3.1	5.4	145	17.80	0.55	3.1	17.8

HEMOCUE HEMATOLOGY–GLUCOSE (mg/dL)

<u>Instruments</u>	Specimen HQ-3					Specimen HQ-4				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	102	57.5	8.2	14.2	57	103	348.8	19.8	5.7	351
HemoCue	25	51.6	8.2	15.9	49	25	326.5	16.6	5.1	330
HemoCue Glucose 201	68	59.3	7.1	12.1	59	69	357.0	13.7	3.8	357

SEDIMENTATION RATE (MM/HR)

<u>Instruments</u>	Specimen ES-3					Specimen ES-4				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	303	73.9	28.1	38.0	68	294	3.5	2.2	62.0	3
Clinical Data Excyte M/10	16	92.7	5.7	6.1	92	16	2.6	1.1	41.4	2
HiChem Ves-Matic/Mini-Ves	40	101.0	10.8	10.7	100	39	5.5	1.8	32.8	5
Modified Westergren - Plastic	69	61.1	11.0	18.0	60	69	2.4	1.2	49.0	2
Polymedco Sedimat	26	64.5	11.2	17.3	66	26	3.2	1.7	52.8	3
Polymedco Sedimat 15	18	140.0	0.0	0.0	140	19	9.5	2.8	29.1	9
Streck ESR-Auto Plus	14	98.7	3.6	3.6	99	14	6.6	1.2	17.6	7
Westergren - Glass	5	59.6	25.7	43.2	63	5	2.8	1.3	46.6	3
Westergren - Plastic	81	62.5	13.3	21.3	63	77	2.5	1.0	40.4	2
Wintrobe - Glass	20	31.7	3.8	11.9	31	20	2.2	1.2	52.4	2

BODY FLUID/CSF COUNT–WHITE BLOOD CELL COUNT (uL)

<u>Instruments</u>	Specimen BF-3					Specimen BF-4				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	10	80.4	5.0	6.2	80	10	8.1	2.0	24.3	8

BODY FLUID/CSF COUNT–RED BLOOD CELL COUNT (uL)

<u>Instruments</u>	Specimen BF-3					Specimen BF-4				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	9	108.3	19.3	17.8	107	8	11.6	3.1	26.4	12

BODY FLUID/CSF DIFFERENTIAL–MONONUCLEAR CELLS (%)

<u>Instruments</u>	Specimen BF-3					Specimen BF-4				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	7	40.9	11.6	28.5	41	5	31.8	3.1	9.8	31

BODY FLUID/CSF DIFFERENTIAL–POLYNUCLEAR CELLS (%)

<u>Instruments</u>	Specimen BF-3					Specimen BF-4				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	7	59.1	11.6	19.7	59	5	68.4	2.7	4.0	69

HEMATOLOGY W/ 5-PART DIFFERENTIAL–WHITE BLOOD CELL COUNT (x K/uL)

<u>Instruments</u>	<u>Specimen CL-6</u>					<u>Specimen CL-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	25	20.51	0.77	3.8	20.5	24	3.08	0.12	4.0	3.1
Abbott Cell-Dyn 3200	25	20.51	0.77	3.8	20.5	24	3.08	0.12	4.0	3.1
	<u>Specimen CL-8</u>					<u>Specimen CL-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	25	7.83	0.22	2.8	7.8	25	5.61	0.22	4.0	5.6
Abbott Cell-Dyn 3200	25	7.83	0.22	2.8	7.8	25	5.61	0.22	4.0	5.6
	<u>Specimen CL-10</u>									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>					
All Methods	25	26.20	0.83	3.2	26.1					
Abbott Cell-Dyn 3200	25	26.20	0.83	3.2	26.1					

HEMATOLOGY W/ 5-PART DIFFERENTIAL–RED BLOOD CELL COUNT (x M/uL)

<u>Instruments</u>	<u>Specimen CL-6</u>					<u>Specimen CL-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	25	5.039	0.087	1.7	5.03	25	2.082	0.047	2.3	2.09
Abbott Cell-Dyn 3200	25	5.039	0.087	1.7	5.03	25	2.082	0.047	2.3	2.09
	<u>Specimen CL-8</u>					<u>Specimen CL-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	25	4.724	0.082	1.7	4.72	25	4.215	0.070	1.7	4.21
Abbott Cell-Dyn 3200	25	4.724	0.082	1.7	4.72	25	4.215	0.070	1.7	4.21
	<u>Specimen CL-10</u>									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>					
All Methods	25	5.735	0.108	1.9	5.73					
Abbott Cell-Dyn 3200	25	5.735	0.108	1.9	5.73					

HEMATOLOGY W/ 5-PART DIFFERENTIAL–HEMOGLOBIN (g/dL)

<u>Instruments</u>	<u>Specimen CL-6</u>					<u>Specimen CL-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	25	16.30	0.37	2.2	16.3	25	5.58	0.16	2.9	5.6
Abbott Cell-Dyn 3200	25	16.30	0.37	2.2	16.3	25	5.58	0.16	2.9	5.6
	<u>Specimen CL-8</u>					<u>Specimen CL-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	25	13.58	0.31	2.3	13.6	25	13.13	0.30	2.3	13.1
Abbott Cell-Dyn 3200	25	13.58	0.31	2.3	13.6	25	13.13	0.30	2.3	13.1
	<u>Specimen CL-10</u>									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>					
All Methods	25	17.38	0.45	2.6	17.5					
Abbott Cell-Dyn 3200	25	17.38	0.45	2.6	17.5					

HEMATOLOGY W/ 5-PART DIFFERENTIAL–HEMATOCRIT (percent)

<u>Instruments</u>	<u>Specimen CL-6</u>					<u>Specimen CL-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	25	40.48	0.94	2.3	40.5	25	14.64	0.49	3.4	14.6
Abbott Cell-Dyn 3200	25	40.48	0.94	2.3	40.5	25	14.64	0.49	3.4	14.6
	<u>Specimen CL-8</u>					<u>Specimen CL-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	25	35.35	1.11	3.1	35.3	24	33.16	0.79	2.4	33.2
Abbott Cell-Dyn 3200	25	35.35	1.11	3.1	35.3	24	33.16	0.79	2.4	33.2
	<u>Specimen CL-10</u>									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>					
All Methods	24	43.62	1.15	2.6	43.9					
Abbott Cell-Dyn 3200	24	43.62	1.15	2.6	43.9					

HEMATOLOGY W/ 5-PART DIFFERENTIAL-PLATELET COUNT (x K/uL)

<u>Instruments</u>	Specimen CL-6					Specimen CL-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	25	434.2	28.8	6.6	434	25	71.0	6.6	9.3	71
Abbott Cell-Dyn 3200	25	434.2	28.8	6.6	434	25	71.0	6.6	9.3	71
<u>Instruments</u>	Specimen CL-8					Specimen CL-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	24	229.7	15.0	6.5	228	24	217.1	12.8	5.9	220
Abbott Cell-Dyn 3200	24	229.7	15.0	6.5	228	24	217.1	12.8	5.9	220
<u>Instruments</u>	Specimen CL-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>					
All Methods	24	452.2	25.5	5.6	451					
Abbott Cell-Dyn 3200	24	452.2	25.5	5.6	451					

HEMATOLOGY W/ 5-PART DIFFERENTIAL-NEUTROPHILS (percent)

<u>Instruments</u>	Specimen CL-6					Specimen CL-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	25	77.79	0.46	0.6	77.9	23	51.35	0.95	1.9	51.6
Abbott Cell-Dyn 3200	25	77.79	0.46	0.6	77.9	23	51.35	0.95	1.9	51.6
<u>Instruments</u>	Specimen CL-8					Specimen CL-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	24	66.85	0.66	1.0	66.8	24	43.64	0.98	2.2	43.9
Abbott Cell-Dyn 3200	24	66.85	0.66	1.0	66.8	24	43.64	0.98	2.2	43.9
<u>Instruments</u>	Specimen CL-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>					
All Methods	24	69.94	0.61	0.9	70.1					
Abbott Cell-Dyn 3200	24	69.94	0.61	0.9	70.1					

HEMATOLOGY W/ 5-PART DIFFERENTIAL-LYMPHOCYTES (percent)

<u>Instruments</u>	Specimen CL-6					Specimen CL-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	24	14.24	0.87	6.1	14.2	23	37.20	2.05	5.5	37.0
Abbott Cell-Dyn 3200	24	14.24	0.87	6.1	14.2	23	37.20	2.05	5.5	37.0
<u>Instruments</u>	Specimen CL-8					Specimen CL-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	23	25.32	0.74	2.9	25.3	24	43.15	1.58	3.7	43.0
Abbott Cell-Dyn 3200	23	25.32	0.74	2.9	25.3	24	43.15	1.58	3.7	43.0
<u>Instruments</u>	Specimen CL-10									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>					
All Methods	22	18.15	1.05	5.8	17.9					
Abbott Cell-Dyn 3200	22	18.15	1.05	5.8	17.9					

HEMATOLOGY W/ 5-PART DIFFERENTIAL–MONOCYTES (percent)

<u>Instruments</u>	Specimen CL-6					Specimen CL-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	23	3.79	0.43	11.3	3.8	21	7.36	0.84	11.4	7.2
Abbott Cell-Dyn 3200	23	3.79	0.43	11.3	3.8	21	7.36	0.84	11.4	7.2

<u>Instruments</u>	Specimen CL-8					Specimen CL-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	23	5.37	0.63	11.7	5.5	23	8.19	0.61	7.4	8.1
Abbott Cell-Dyn 3200	23	5.37	0.63	11.7	5.5	23	8.19	0.61	7.4	8.1

<u>Instruments</u>	Specimen CL-10				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	23	7.03	0.84	11.9	7.3
Abbott Cell-Dyn 3200	23	7.03	0.84	11.9	7.3

HEMATOLOGY W/ 5-PART DIFFERENTIAL–EOSINOPHILS (percent)

<u>Instruments</u>	Specimen CL-6					Specimen CL-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	25	3.85	0.14	3.7	3.9	24	3.78	0.35	9.2	3.8
Abbott Cell-Dyn 3200	25	3.85	0.14	3.7	3.9	24	3.78	0.35	9.2	3.8

<u>Instruments</u>	Specimen CL-8					Specimen CL-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	24	1.92	0.14	7.5	1.9	24	4.42	0.30	6.9	4.4
Abbott Cell-Dyn 3200	24	1.92	0.14	7.5	1.9	24	4.42	0.30	6.9	4.4

<u>Instruments</u>	Specimen CL-10				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	24	4.05	0.21	5.3	4.1
Abbott Cell-Dyn 3200	24	4.05	0.21	5.3	4.1

HEMATOLOGY W/ 5-PART DIFFERENTIAL–BASOPHILS (percent)

<u>Instruments</u>	Specimen CL-6					Specimen CL-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	25	0.40	0.18	45.1	0.4	22	0.80	0.31	38.4	0.9
Abbott Cell-Dyn 3200	25	0.40	0.18	45.1	0.4	22	0.80	0.31	38.4	0.9

<u>Instruments</u>	Specimen CL-8					Specimen CL-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	24	0.49	0.22	44.1	0.5	24	0.75	0.25	33.4	0.7
Abbott Cell-Dyn 3200	24	0.49	0.22	44.1	0.5	24	0.75	0.25	33.4	0.7

<u>Instruments</u>	Specimen CL-10				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	22	0.68	0.23	34.1	0.7
Abbott Cell-Dyn 3200	22	0.68	0.23	34.1	0.7

SYSMEX HEMATOLOGY W/ AUTOMATED DIFFERENTIAL–WHITE BLOOD CELL COUNT (x 10⁹/L)

<u>Instruments</u>	Specimen SYX-6					Specimen SYX-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Sysmex Instruments	36	17.72	0.42	2.4	17.8	37	7.73	0.21	2.8	7.7
All Method	36	17.72	0.42	2.4	17.8	37	7.73	0.21	2.8	7.7
Sysmex K - 800,1000,4500,KX-21	30	17.73	0.43	2.4	17.8	30	7.72	0.20	2.5	7.7
Sysmex K-1000/KCP-1	6	19.12	1.30	6.8	19.8	6	8.25	0.46	5.6	8.2

<u>Instruments</u>	Specimen SYX-8					Specimen SYX-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Sysmex Instruments	37	2.38	0.10	4.1	2.4	38	11.89	0.38	3.2	11.9
All Method	38	2.39	0.11	4.6	2.4	38	11.89	0.38	3.2	11.9
Sysmex K - 800,1000,4500,KX-21	29	2.38	0.08	3.2	2.4	30	11.86	0.24	2.0	11.9
Sysmex K-1000/KCP-1	6	2.55	0.14	5.4	2.5	6	12.60	0.63	5.0	12.9

<u>Instruments</u>	Specimen SYX-10				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Sysmex Instruments	39	8.55	0.32	3.7	8.5
All Method	39	8.55	0.32	3.7	8.5
Sysmex K - 800,1000,4500,KX-21	30	8.50	0.21	2.5	8.5
Sysmex K-1000/KCP-1	6	8.97	0.45	5.0	9.2

SYSMEX HEMATOLOGY W/ AUTOMATED DIFFERENTIAL–RED BLOOD CELL COUNT (x 10¹²/L)

<u>Instruments</u>	Specimen SYX-6					Specimen SYX-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Sysmex Instruments	37	5.156	0.074	1.4	5.14	39	3.783	0.059	1.6	3.77
All Method	37	5.156	0.074	1.4	5.14	39	3.783	0.059	1.6	3.77
Sysmex K - 800,1000,4500,KX-21	29	5.148	0.074	1.4	5.14	30	3.768	0.054	1.4	3.76
Sysmex K-1000/KCP-1	6	5.175	0.069	1.3	5.15	6	3.830	0.051	1.3	3.85

<u>Instruments</u>	Specimen SYX-8					Specimen SYX-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Sysmex Instruments	39	2.387	0.035	1.4	2.38	38	5.353	0.069	1.3	5.34
All Method	39	2.387	0.035	1.4	2.38	38	5.353	0.069	1.3	5.34
Sysmex K - 800,1000,4500,KX-21	30	2.378	0.028	1.2	2.38	29	5.340	0.066	1.2	5.34
Sysmex K-1000/KCP-1	6	2.422	0.042	1.8	2.44	6	5.390	0.072	1.3	5.40

<u>Instruments</u>	Specimen SYX-10				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Sysmex Instruments	39	4.456	0.076	1.7	4.45
All Method	39	4.456	0.076	1.7	4.45
Sysmex K - 800,1000,4500,KX-21	30	4.439	0.075	1.7	4.42
Sysmex K-1000/KCP-1	6	4.512	0.050	1.1	4.52

SYSMEX HEMATOLOGY W/ AUTOMATED DIFFERENTIAL–HEMOGLOBIN (g/dL)

<u>Instruments</u>	Specimen SYX-6					Specimen SYX-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Sysmex Instruments	39	16.26	0.22	1.3	16.3	39	10.32	0.12	1.2	10.3
All Method	39	16.26	0.22	1.3	16.3	39	10.32	0.12	1.2	10.3
Sysmex K - 800,1000,4500,KX-21	30	16.21	0.19	1.2	16.2	30	10.28	0.11	1.1	10.3
Sysmex K-1000/KCP-1	6	16.30	0.11	0.7	16.3	6	10.45	0.10	1.0	10.5
	Specimen SYX-8					Specimen SYX-9				
All Sysmex Instruments	39	6.46	0.10	1.6	6.5	39	16.62	0.15	0.9	16.6
All Method	39	6.46	0.10	1.6	6.5	39	16.62	0.15	0.9	16.6
Sysmex K - 800,1000,4500,KX-21	30	6.45	0.10	1.5	6.5	30	16.62	0.16	1.0	16.6
Sysmex K-1000/KCP-1	6	6.50	0.14	2.2	6.5	6	16.67	0.08	0.5	16.7
	Specimen SYX-10									
All Sysmex Instruments	39	13.61	0.17	1.2	13.6					
All Method	39	13.61	0.17	1.2	13.6					
Sysmex K - 800,1000,4500,KX-21	30	13.57	0.16	1.2	13.6					
Sysmex K-1000/KCP-1	6	13.80	0.11	0.8	13.8					

SYSMEX HEMATOLOGY W/ AUTOMATED DIFFERENTIAL–HEMATOCRIT (percent)

<u>Instruments</u>	Specimen SYX-6					Specimen SYX-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Sysmex Instruments	36	43.91	0.93	2.1	43.9	39	28.04	0.77	2.7	28.0
All Method	39	44.02	1.30	3.0	43.9	39	28.04	0.77	2.7	28.0
Sysmex K - 800,1000,4500,KX-21	28	43.96	0.73	1.7	44.0	30	27.94	0.60	2.1	28.1
Sysmex K-1000/KCP-1	6	43.03	0.73	1.7	43.3	6	27.65	0.58	2.1	27.9
	Specimen SYX-8					Specimen SYX-9				
All Sysmex Instruments	39	17.70	0.52	2.9	17.7	39	44.97	1.11	2.5	44.9
All Method	39	17.70	0.52	2.9	17.7	39	44.97	1.11	2.5	44.9
Sysmex K - 800,1000,4500,KX-21	30	17.61	0.43	2.5	17.7	30	44.92	0.93	2.1	45.0
Sysmex K-1000/KCP-1	6	17.65	0.59	3.3	17.7	6	44.08	0.49	1.1	44.1
	Specimen SYX-10									
All Sysmex Instruments	39	36.77	0.91	2.5	36.8					
All Method	39	36.77	0.91	2.5	36.8					
Sysmex K - 800,1000,4500,KX-21	30	36.64	0.73	2.0	36.8					
Sysmex K-1000/KCP-1	6	36.38	0.39	1.1	36.5					

SYSMEX HEMATOLOGY W/ AUTOMATED DIFFERENTIAL-PLATELET COUNT (x10⁹/L)

Specimen SYX-6

Specimen SYX-7

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Sysmex Instruments	39	464.9	31.0	6.7	465	39	302.8	18.3	6.1	303
All Method	39	464.9	31.0	6.7	465	39	302.8	18.3	6.1	303
Sysmex K - 800,1000,4500,KX-21	30	470.0	30.8	6.5	475	30	305.4	17.6	5.8	305
Sysmex K-1000/KCP-1	6	461.3	19.3	4.2	469	6	302.5	16.5	5.4	302

Specimen SYX-8

Specimen SYX-9

All Sysmex Instruments	39	56.6	4.0	7.1	56	39	117.9	9.7	8.3	116
All Method	39	56.6	4.0	7.1	56	39	117.9	9.7	8.3	116
Sysmex K - 800,1000,4500,KX-21	30	57.1	4.0	7.1	58	30	119.2	10.2	8.6	120
Sysmex K-1000/KCP-1	6	55.5	2.1	3.7	56	6	115.7	5.5	4.8	116

Specimen SYX-10

All Sysmex Instruments	38	205.1	13.8	6.7	206
All Method	38	205.1	13.8	6.7	206
Sysmex K - 800,1000,4500,KX-21	29	207.8	12.5	6.0	210
Sysmex K-1000/KCP-1	6	206.0	3.2	1.6	206

SYSMEX HEMATOLOGY W/ AUTOMATED DIFFERENTIAL-LYMPH W/SCR (percent)

Specimen SYX-6

Specimen SYX-7

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Sysmex Instruments	39	33.42	0.66	2.0	33.4	39	31.77	0.72	2.3	31.9
All Method	39	33.42	0.66	2.0	33.4	39	31.77	0.72	2.3	31.9
Sysmex K - 800,1000,4500,KX-21	30	33.35	0.68	2.1	33.4	30	31.68	0.61	1.9	31.9
Sysmex K-1000/KCP-1	6	33.37	0.29	0.9	33.3	6	32.03	0.76	2.4	32.0

Specimen SYX-8

Specimen SYX-9

All Sysmex Instruments	39	24.72	1.25	5.1	24.7	39	36.42	0.73	2.0	36.4
All Method	39	24.72	1.25	5.1	24.7	39	36.42	0.73	2.0	36.4
Sysmex K - 800,1000,4500,KX-21	30	24.79	1.25	5.0	24.7	30	36.44	0.77	2.1	36.4
Sysmex K-1000/KCP-1	6	25.15	0.77	3.1	25.8	6	36.12	0.59	1.6	36.4

Specimen SYX-10

All Sysmex Instruments	39	29.92	0.69	2.3	30.0
All Method	39	29.92	0.69	2.3	30.0
Sysmex K - 800,1000,4500,KX-21	30	29.90	0.64	2.1	30.0
Sysmex K-1000/KCP-1	6	29.98	0.86	2.9	30.4

SYSMEX HEMATOLOGY W/ AUTOMATED DIFFERENTIAL–MONO/MIXED W/MCR (percent)

<u>Instruments</u>	Specimen SYX-6					Specimen SYX-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Sysmex Instruments	39	19.78	1.22	6.2	19.9	39	10.03	0.67	6.7	10.1
All Method	39	19.78	1.22	6.2	19.9	39	10.03	0.67	6.7	10.1
Sysmex K - 800,1000,4500,KX-21	30	19.86	1.10	5.5	19.8	30	10.07	0.61	6.0	10.1
Sysmex K-1000/KCP-1	6	20.47	0.53	2.6	20.3	6	10.37	0.57	5.5	10.3
Specimen SYX-8										
All Sysmex Instruments	38	8.12	0.93	11.4	8.2	39	14.08	1.12	7.9	14.3
All Method	38	8.12	0.93	11.4	8.2	39	14.08	1.12	7.9	14.3
Sysmex K - 800,1000,4500,KX-21	29	8.25	0.85	10.3	8.2	30	14.01	1.11	8.0	14.1
Sysmex K-1000/KCP-1	6	8.03	0.93	11.5	8.1	6	14.90	0.52	3.5	15.2
Specimen SYX-10										
All Sysmex Instruments	39	13.30	1.18	8.9	13.5					
All Method	39	13.30	1.18	8.9	13.5					
Sysmex K - 800,1000,4500,KX-21	30	13.18	1.18	8.9	13.5					
Sysmex K-1000/KCP-1	6	14.35	0.52	3.7	14.7					

SYSMEX HEMATOLOGY W/ AUTOMATED DIFFERENTIAL–NEUT W/LCR (percent)

<u>Instruments</u>	Specimen SYX-6					Specimen SYX-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Sysmex Instruments	39	46.81	1.00	2.1	46.7	38	58.17	0.80	1.4	58.2
All Method	39	46.81	1.00	2.1	46.7	38	58.17	0.80	1.4	58.2
Sysmex K - 800,1000,4500,KX-21	30	46.79	0.94	2.0	47.0	29	58.22	0.74	1.3	58.2
Sysmex K-1000/KCP-1	6	46.17	0.59	1.3	46.4	6	57.60	0.79	1.4	57.9
Specimen SYX-8										
All Sysmex Instruments	38	67.17	1.58	2.3	67.4	39	49.50	1.15	2.3	49.4
All Method	38	67.17	1.58	2.3	67.4	39	49.50	1.15	2.3	49.4
Sysmex K - 800,1000,4500,KX-21	29	66.96	1.49	2.2	67.3	30	49.55	1.20	2.4	49.6
Sysmex K-1000/KCP-1	6	66.82	0.70	1.1	67.1	6	48.98	0.91	1.9	48.9
Specimen SYX-10										
All Sysmex Instruments	39	56.78	1.27	2.2	56.7					
All Method	39	56.78	1.27	2.2	56.7					
Sysmex K - 800,1000,4500,KX-21	30	56.92	1.29	2.3	56.9					
Sysmex K-1000/KCP-1	6	55.67	0.74	1.3	55.8					

BASIC HEMATOLOGY W/ 3-PART DIFFERENTIAL–WHITE BLOOD CELL COUNT (x 10⁹/L)

Specimen HD-6

Specimen HD-7

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	528	3.18	0.13	4.1	3.2	532	7.81	0.24	3.1	7.8
All ABX Instruments	137	3.09	0.10	3.3	3.1	136	7.63	0.20	2.7	7.6
All COULTER Instruments	477	3.27	0.13	3.9	3.3	476	7.94	0.20	2.5	7.9
All Danam Instruments	19	3.23	0.10	3.1	3.2	19	7.94	0.18	2.2	8.0
All Method	1188	3.21	0.14	4.4	3.2	1184	7.84	0.24	3.1	7.9
Abbott Cell-Dyn 1200	6	3.15	0.21	6.6	3.3	6	7.97	0.21	2.6	8.0
Abbott Cell-Dyn 1400	6	3.17	0.18	5.5	3.2	6	7.82	0.13	1.7	7.9
Abbott Cell-Dyn 1600	35	3.38	0.16	4.7	3.4	36	7.77	0.29	3.8	7.8
Abbott Cell-Dyn 1700	298	3.19	0.13	4.0	3.2	296	7.83	0.25	3.1	7.8
Abbott Cell-Dyn 1800	186	3.13	0.11	3.4	3.1	186	7.77	0.23	3.0	7.8
ABX Diagnostics Micros/45/60	135	3.09	0.10	3.3	3.1	134	7.63	0.20	2.7	7.6
COULTER AcT 8/10	68	3.27	0.11	3.3	3.3	68	7.96	0.21	2.6	8.0
COULTER AcT diff/diff 2	366	3.27	0.13	3.9	3.3	365	7.93	0.19	2.4	7.9
COULTER JR,JS,JT, ONYX	11	3.31	0.24	7.3	3.2	11	8.02	0.21	2.6	8.0
COULTER MD8, MD16,MDII 8,16	23	3.16	0.10	3.3	3.2	24	7.86	0.20	2.5	7.9
COULTER S880,T540,T660,T890	21	3.40	0.17	5.1	3.4	21	8.13	0.27	3.3	8.1
Danam DC-16,1600,Excel,1800MS	17	3.24	0.09	2.7	3.2	17	7.96	0.18	2.3	8.0

Specimen HD-8

Specimen HD-9

All Abbott Cell-Dyn Instruments	533	5.93	0.20	3.4	5.9	527	18.78	0.55	2.9	18.8
All ABX Instruments	134	5.79	0.17	3.0	5.8	136	18.62	0.46	2.4	18.6
All COULTER Instruments	476	6.09	0.18	3.0	6.1	468	19.26	0.43	2.3	19.2
All Danam Instruments	19	5.99	0.17	2.8	6.0	19	19.03	0.49	2.6	19.0
All Method	1182	5.98	0.21	3.6	6.0	1179	18.97	0.58	3.0	19.0
Abbott Cell-Dyn 1200	6	6.00	0.14	2.4	6.0	6	19.27	0.54	2.8	19.4
Abbott Cell-Dyn 1400	6	5.92	0.29	4.9	5.9	6	18.55	0.48	2.6	18.4
Abbott Cell-Dyn 1600	35	6.03	0.20	3.3	6.0	36	18.33	0.57	3.1	18.3
Abbott Cell-Dyn 1700	296	5.92	0.21	3.5	5.9	297	18.77	0.57	3.1	18.7
Abbott Cell-Dyn 1800	188	5.92	0.18	3.1	5.9	186	18.86	0.53	2.8	18.8
ABX Diagnostics Micros/45/60	133	5.78	0.18	3.1	5.8	134	18.61	0.46	2.5	18.6
COULTER AcT 8/10	70	6.15	0.17	2.8	6.2	67	19.45	0.50	2.5	19.4
COULTER AcT diff/diff 2	365	6.07	0.17	2.8	6.1	361	19.22	0.42	2.2	19.2
COULTER JR,JS,JT, ONYX	11	6.26	0.49	7.8	6.2	11	19.42	0.52	2.7	19.3
COULTER MD8, MD16,MDII 8,16	24	5.98	0.23	3.9	5.9	24	19.12	0.42	2.2	19.2
COULTER S880,T540,T660,T890	21	6.24	0.35	5.6	6.3	21	19.44	0.75	3.9	19.5
Danam DC-16,1600,Excel,1800MS	17	6.01	0.17	2.9	6.0	17	19.08	0.49	2.6	19.1

BASIC HEMATOLOGY W/ 3-PART DIFFERENTIAL–WHITE BLOOD CELL COUNT (x 10⁹/L)

Specimen HD-10

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	532	11.03	0.33	3.0	11.0
All ABX Instruments	137	10.80	0.29	2.7	10.8
All COULTER Instruments	472	11.23	0.27	2.4	11.2
All Danam Instruments	19	11.21	0.24	2.1	11.2
All Method	1183	11.09	0.34	3.0	11.1
Abbott Cell-Dyn 1200	6	11.27	0.28	2.5	11.2
Abbott Cell-Dyn 1400	6	11.05	0.26	2.3	11.1
Abbott Cell-Dyn 1600	36	10.91	0.40	3.7	10.9
Abbott Cell-Dyn 1700	296	11.03	0.33	3.0	11.0
Abbott Cell-Dyn 1800	187	11.03	0.33	2.9	11.0
ABX Diagnostics Micros/45/60	135	10.80	0.29	2.7	10.8
COULTER AcT 8/10	66	11.33	0.24	2.1	11.3
COULTER AcT diff/diff 2	363	11.21	0.27	2.4	11.2
COULTER JR,JS,JT, ONYX	11	11.37	0.31	2.7	11.3
COULTER MD8, MD16,MDII 8,16	24	11.10	0.23	2.1	11.1
COULTER S880,T540,T660,T890	21	11.41	0.40	3.5	11.3
Danam DC-16,1600,Excel,1800MS	17	11.21	0.24	2.2	11.2

BASIC HEMATOLOGY W/ 3-PART DIFFERENTIAL–RED BLOOD CELL COUNT (x 10¹²/L)

Specimen HD-6

Specimen HD-7

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	528	4.526	0.093	2.1	4.52	527	2.457	0.065	2.6	2.45
All ABX Instruments	134	4.385	0.090	2.1	4.38	135	2.312	0.046	2.0	2.31
All COULTER Instruments	471	4.474	0.103	2.3	4.47	474	2.390	0.054	2.3	2.39
All Danam Instruments	19	4.442	0.078	1.8	4.46	19	2.348	0.054	2.3	2.35
All Method	1175	4.486	0.109	2.4	4.49	1182	2.410	0.078	3.2	2.40
Abbott Cell-Dyn 1200	6	4.620	0.106	2.3	4.71	6	2.510	0.050	2.0	2.53
Abbott Cell-Dyn 1400	6	4.418	0.116	2.6	4.45	6	2.422	0.039	1.6	2.43
Abbott Cell-Dyn 1600	35	4.465	0.096	2.2	4.48	34	2.391	0.046	1.9	2.39
Abbott Cell-Dyn 1700	296	4.517	0.096	2.1	4.51	294	2.428	0.047	1.9	2.43
Abbott Cell-Dyn 1800	186	4.551	0.084	1.9	4.54	185	2.515	0.048	1.9	2.52
ABX Diagnostics Micros/45/60	132	4.383	0.088	2.0	4.38	133	2.312	0.046	2.0	2.31
COULTER AcT 8/10	66	4.479	0.124	2.8	4.48	65	2.392	0.053	2.2	2.39
COULTER AcT diff/diff 2	363	4.474	0.106	2.4	4.47	365	2.392	0.056	2.3	2.39
COULTER JR,JS,JT, ONYX	11	4.396	0.127	2.9	4.35	11	2.344	0.056	2.4	2.33
COULTER MD8, MD16,MDII 8,16	24	4.458	0.094	2.1	4.45	24	2.377	0.052	2.2	2.38
COULTER S880,T540,T660,T890	21	4.467	0.076	1.7	4.46	21	2.390	0.041	1.7	2.39
Danam DC-16,1600,Excel,1800MS	17	4.434	0.077	1.7	4.45	17	2.347	0.057	2.4	2.35

BASIC HEMATOLOGY W/ 3-PART DIFFERENTIAL-RED BLOOD CELL COUNT (x 10¹²/L)

Specimen HD-8

Specimen HD-9

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	523	5.996	0.119	2.0	6.00	529	5.256	0.106	2.0	5.26
All ABX Instruments	136	5.950	0.112	1.9	5.95	135	5.172	0.098	1.9	5.17
All COULTER Instruments	468	6.039	0.139	2.3	6.03	467	5.264	0.121	2.3	5.26
All Danam Instruments	19	6.004	0.094	1.6	6.00	19	5.197	0.067	1.3	5.20
All Method	1170	6.008	0.132	2.2	6.00	1173	5.246	0.117	2.2	5.24
Abbott Cell-Dyn 1200	6	6.212	0.103	1.7	6.26	6	5.430	0.126	2.3	5.50
Abbott Cell-Dyn 1400	6	5.968	0.114	1.9	6.00	6	5.205	0.100	1.9	5.18
Abbott Cell-Dyn 1600	34	5.942	0.114	1.9	5.97	34	5.219	0.098	1.9	5.22
Abbott Cell-Dyn 1700	293	6.016	0.129	2.1	6.02	296	5.254	0.114	2.2	5.26
Abbott Cell-Dyn 1800	187	5.970	0.106	1.8	5.97	187	5.258	0.093	1.8	5.26
ABX Diagnostics Micros/45/60	134	5.946	0.107	1.8	5.95	133	5.169	0.095	1.8	5.17
COULTER AcT 8/10	67	6.082	0.147	2.4	6.07	66	5.293	0.139	2.6	5.30
COULTER AcT diff/diff 2	361	6.040	0.147	2.4	6.03	364	5.263	0.130	2.5	5.26
COULTER JR,JS,JT, ONYX	11	5.914	0.110	1.9	5.88	11	5.149	0.132	2.6	5.12
COULTER MD8, MD16,MDII 8,16	24	6.010	0.143	2.4	6.01	24	5.253	0.143	2.7	5.25
COULTER S880,T540,T660,T890	20	6.014	0.075	1.2	6.01	21	5.243	0.098	1.9	5.25
Danam DC-16,1600,Excel,1800MS	17	6.003	0.087	1.5	6.00	17	5.198	0.066	1.3	5.20

Specimen HD-10

All Abbott Cell-Dyn Instruments	531	3.537	0.076	2.2	3.53
All ABX Instruments	135	3.390	0.067	2.0	3.39
All COULTER Instruments	473	3.487	0.073	2.1	3.48
All Danam Instruments	19	3.437	0.055	1.6	3.45
All Method	1181	3.496	0.089	2.5	3.50
Abbott Cell-Dyn 1200	6	3.617	0.105	2.9	3.64
Abbott Cell-Dyn 1400	6	3.477	0.066	1.9	3.49
Abbott Cell-Dyn 1600	34	3.477	0.064	1.8	3.47
Abbott Cell-Dyn 1700	296	3.511	0.066	1.9	3.51
Abbott Cell-Dyn 1800	187	3.589	0.060	1.7	3.59
ABX Diagnostics Micros/45/60	135	3.385	0.069	2.0	3.39
COULTER AcT 8/10	65	3.492	0.075	2.1	3.49
COULTER AcT diff/diff 2	366	3.486	0.075	2.1	3.48
COULTER JR,JS,JT, ONYX	11	3.408	0.084	2.5	3.40
COULTER MD8, MD16,MDII 8,16	24	3.476	0.087	2.5	3.51
COULTER S880,T540,T660,T890	21	3.478	0.051	1.5	3.48
Danam DC-16,1600,Excel,1800MS	17	3.440	0.055	1.6	3.45

BASIC HEMATOLOGY W/ 3-PART DIFFERENTIAL-HEMOGLOBIN (g/dL)

<u><i>Instruments</i></u>	Specimen HD-6					Specimen HD-7				
	<u><i>Labs</i></u>	<u><i>Mean</i></u>	<u><i>SD</i></u>	<u><i>CV</i></u>	<u><i>Median</i></u>	<u><i>Labs</i></u>	<u><i>Mean</i></u>	<u><i>SD</i></u>	<u><i>CV</i></u>	<u><i>Median</i></u>
All Abbott Cell-Dyn Instruments	531	11.50	0.27	2.3	11.5	532	7.87	0.19	2.5	7.9
All ABX Instruments	134	11.01	0.26	2.4	11.0	135	7.43	0.19	2.6	7.4
All COULTER Instruments	476	11.20	0.24	2.1	11.2	475	7.60	0.15	2.0	7.6
All Danam Instruments	19	11.25	0.16	1.5	11.2	19	7.61	0.18	2.3	7.6
All Method	1197	11.31	0.32	2.8	11.3	1202	7.69	0.25	3.2	7.7
Abbott Cell-Dyn 1200	6	11.68	0.23	2.0	11.8	6	8.12	0.15	1.8	8.2
Abbott Cell-Dyn 1400	6	11.12	0.24	2.2	11.1	6	7.70	0.14	1.8	7.7
Abbott Cell-Dyn 1600	36	11.26	0.34	3.0	11.3	36	7.68	0.16	2.1	7.7
Abbott Cell-Dyn 1700	296	11.42	0.23	2.0	11.4	296	7.79	0.16	2.1	7.8
Abbott Cell-Dyn 1800	186	11.68	0.22	1.9	11.7	186	8.02	0.15	1.8	8.0
ABX Diagnostics Micros/45/60	133	11.01	0.27	2.5	11.0	133	7.43	0.19	2.6	7.4
COULTER AcT 8/10	68	11.28	0.30	2.6	11.3	67	7.70	0.16	2.0	7.7
COULTER AcT diff/diff 2	363	11.19	0.22	2.0	11.2	365	7.58	0.14	1.9	7.6
COULTER JR,JS,JT, ONYX	11	11.16	0.20	1.8	11.2	11	7.55	0.09	1.2	7.5
COULTER MD8, MD16,MDII 8,16	24	11.21	0.29	2.6	11.3	23	7.66	0.14	1.8	7.6
COULTER S880,T540,T660,T890	21	11.11	0.26	2.3	11.1	21	7.60	0.25	3.3	7.6
Danam DC-16,1600,Excel,1800MS	17	11.24	0.17	1.5	11.2	17	7.62	0.18	2.4	7.7
HemoCue	10	11.05	0.40	3.7	11.1	10	7.32	0.49	6.7	7.3

<u><i>Instruments</i></u>	Specimen HD-8					Specimen HD-9				
	<u><i>Labs</i></u>	<u><i>Mean</i></u>	<u><i>SD</i></u>	<u><i>CV</i></u>	<u><i>Median</i></u>	<u><i>Labs</i></u>	<u><i>Mean</i></u>	<u><i>SD</i></u>	<u><i>CV</i></u>	<u><i>Median</i></u>
All Abbott Cell-Dyn Instruments	524	18.56	0.41	2.2	18.6	529	15.74	0.35	2.2	15.8
All ABX Instruments	136	17.70	0.40	2.3	17.7	136	14.98	0.33	2.2	14.9
All COULTER Instruments	471	18.10	0.36	2.0	18.1	469	15.28	0.28	1.8	15.3
All Danam Instruments	19	18.22	0.19	1.0	18.2	19	15.37	0.19	1.2	15.4
All Method	1193	18.26	0.50	2.8	18.2	1195	15.45	0.44	2.8	15.4
Abbott Cell-Dyn 1200	6	18.60	0.22	1.2	18.6	6	15.93	0.24	1.5	16.1
Abbott Cell-Dyn 1400	6	18.25	0.23	1.3	18.4	6	15.37	0.16	1.1	15.4
Abbott Cell-Dyn 1600	35	18.22	0.36	2.0	18.2	36	15.47	0.29	1.9	15.4
Abbott Cell-Dyn 1700	292	18.39	0.35	1.9	18.4	294	15.59	0.32	2.0	15.6
Abbott Cell-Dyn 1800	188	18.89	0.34	1.8	18.8	187	16.02	0.26	1.6	16.0
ABX Diagnostics Micros/45/60	134	17.71	0.40	2.3	17.7	134	14.98	0.33	2.2	14.9
COULTER AcT 8/10	69	18.13	0.43	2.4	18.1	68	15.37	0.36	2.3	15.4
COULTER AcT diff/diff 2	362	18.11	0.35	1.9	18.1	361	15.28	0.27	1.8	15.3
COULTER JR,JS,JT, ONYX	11	18.01	0.19	1.0	18.0	11	15.22	0.19	1.2	15.2
COULTER MD8, MD16,MDII 8,16	24	18.12	0.41	2.3	18.1	24	15.39	0.30	1.9	15.4
COULTER S880,T540,T660,T890	19	17.83	0.30	1.7	17.7	21	15.11	0.26	1.7	15.1
Danam DC-16,1600,Excel,1800MS	17	18.25	0.15	0.8	18.2	17	15.41	0.16	1.0	15.4
HemoCue	10	17.58	0.53	3.0	17.6	10	14.20	1.29	9.1	14.5

BASIC HEMATOLOGY W/ 3-PART DIFFERENTIAL–HEMOGLOBIN (g/dL)

Specimen HD-10

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	531	11.17	0.27	2.4	11.2
All ABX Instruments	135	10.60	0.26	2.5	10.6
All COULTER Instruments	477	10.82	0.19	1.8	10.8
All Danam Instruments	19	10.89	0.15	1.4	10.8
All Method	1196	10.95	0.32	3.0	10.9
Abbott Cell-Dyn 1200	6	11.47	0.20	1.7	11.5
Abbott Cell-Dyn 1400	6	10.92	0.20	1.9	10.9
Abbott Cell-Dyn 1600	36	10.97	0.24	2.2	10.9
Abbott Cell-Dyn 1700	293	11.06	0.21	1.9	11.1
Abbott Cell-Dyn 1800	187	11.40	0.17	1.5	11.4
ABX Diagnostics Micros/45/60	134	10.59	0.27	2.5	10.6
COULTER AcT 8/10	67	10.91	0.20	1.9	10.9
COULTER AcT diff/diff 2	366	10.81	0.19	1.7	10.8
COULTER JR,JS,JT, ONYX	11	10.75	0.17	1.6	10.7
COULTER MD8, MD16,MDII 8,16	24	10.88	0.23	2.1	10.9
COULTER S880,T540,T660,T890	21	10.80	0.17	1.6	10.8
Danam DC-16,1600,Excel,1800MS	17	10.91	0.14	1.2	10.9
HemoCue	9	10.54	0.47	4.5	10.3

BASIC HEMATOLOGY W/ 3-PART DIFFERENTIAL–HEMATOCRIT (percent)

Specimen HD-6

Specimen HD-7

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All COULTER Instruments	468	34.77	0.81	2.3	34.7	470	22.50	0.51	2.3	22.5
All Abbott Cell-Dyn Instruments	527	35.52	1.00	2.8	35.6	523	23.54	0.75	3.2	23.5
All ABX Instruments	134	33.08	0.70	2.1	33.1	137	20.61	0.46	2.2	20.6
All Danam Instruments	19	34.77	0.76	2.2	34.6	19	22.54	0.49	2.2	22.5
All Method	1181	34.89	1.20	3.4	34.9	1192	22.73	1.15	5.0	22.8
Abbott Cell-Dyn 1200	6	40.12	1.71	4.3	40.4	6	26.07	0.81	3.1	26.4
Abbott Cell-Dyn 1400	5	34.44	1.15	3.3	34.2	6	23.00	0.55	2.4	23.1
Abbott Cell-Dyn 1600	36	34.83	1.05	3.0	34.9	36	22.94	0.61	2.7	22.8
Abbott Cell-Dyn 1700	297	35.29	0.96	2.7	35.3	293	23.19	0.53	2.3	23.2
Abbott Cell-Dyn 1800	187	36.04	0.80	2.2	36.0	183	24.22	0.50	2.1	24.2
ABX Diagnostics Micros/45/60	133	33.05	0.71	2.2	33.1	135	20.61	0.46	2.2	20.6
COULTER AcT 8/10	66	35.08	0.99	2.8	35.0	66	22.62	0.52	2.3	22.6
COULTER AcT diff/diff 2	361	34.76	0.79	2.3	34.7	365	22.51	0.53	2.4	22.5
COULTER JR,JS,JT, ONYX	11	34.15	0.79	2.3	34.1	11	22.25	0.36	1.6	22.3
COULTER MD8, MD16,MDII 8,16	24	34.49	1.08	3.1	34.4	24	22.32	0.76	3.4	22.4
COULTER S880,T540,T660,T890	20	34.31	0.66	1.9	34.2	20	22.16	0.40	1.8	22.2
Danam DC-16,1600,Excel,1800MS	17	34.66	0.69	2.0	34.5	17	22.52	0.52	2.3	22.4

BASIC HEMATOLOGY W/ 3-PART DIFFERENTIAL–HEMATOCRIT (percent)

<u>Instruments</u>	<u>Specimen HD-8</u>					<u>Specimen HD-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All COULTER Instruments	471	55.62	1.48	2.7	55.4	468	47.20	1.21	2.6	47.1
All Abbott Cell-Dyn Instruments	522	56.27	1.40	2.5	56.3	525	47.97	1.20	2.5	48.0
All ABX Instruments	136	53.36	1.09	2.1	53.4	135	45.22	1.01	2.2	45.3
All Danam Instruments	19	55.94	1.10	2.0	55.7	19	47.29	0.86	1.8	47.4
All Method	1182	55.63	1.73	3.1	55.6	1183	47.31	1.51	3.2	47.3
Abbott Cell-Dyn 1200	6	63.70	1.59	2.5	63.8	6	54.22	2.03	3.7	55.6
Abbott Cell-Dyn 1400	6	55.10	1.09	2.0	54.9	6	46.73	0.89	1.9	46.6
Abbott Cell-Dyn 1600	35	55.49	1.76	3.2	55.2	36	47.55	1.58	3.3	47.6
Abbott Cell-Dyn 1700	294	56.17	1.49	2.6	56.4	297	47.81	1.24	2.6	47.8
Abbott Cell-Dyn 1800	189	56.58	1.25	2.2	56.4	187	48.28	1.09	2.3	48.2
ABX Diagnostics Micros/45/60	134	53.35	1.10	2.1	53.4	134	45.18	1.04	2.3	45.3
COULTER AcT 8/10	67	56.39	1.43	2.5	56.1	67	47.97	1.39	2.9	47.8
COULTER AcT diff/diff 2	362	55.57	1.47	2.6	55.5	361	47.19	1.17	2.5	47.1
COULTER JR,JS,JT, ONYX	11	54.26	0.73	1.3	54.0	11	46.11	1.07	2.3	45.8
COULTER MD8, MD16,MDII 8,16	24	54.81	2.01	3.7	54.7	24	46.78	1.70	3.6	46.6
COULTER S880,T540,T660,T890	21	54.81	1.30	2.4	54.6	21	46.33	1.08	2.3	46.1
Danam DC-16,1600,Excel,1800MS	17	55.83	0.93	1.7	55.7	17	47.18	0.81	1.7	47.4

<u>Specimen HD-10</u>					
All COULTER Instruments	474	32.52	0.75	2.3	32.5
All Abbott Cell-Dyn Instruments	527	33.60	0.94	2.8	33.6
All ABX Instruments	135	30.19	0.63	2.1	30.2
All Danam Instruments	19	32.63	0.48	1.5	32.5
All Method	1189	32.73	1.38	4.2	32.8
Abbott Cell-Dyn 1200	6	37.48	1.42	3.8	38.2
Abbott Cell-Dyn 1400	6	32.75	0.70	2.1	32.8
Abbott Cell-Dyn 1600	36	33.08	1.00	3.0	33.0
Abbott Cell-Dyn 1700	295	33.25	0.79	2.4	33.3
Abbott Cell-Dyn 1800	187	34.30	0.69	2.0	34.3
ABX Diagnostics Micros/45/60	135	30.18	0.65	2.1	30.2
COULTER AcT 8/10	66	32.72	0.80	2.4	32.7
COULTER AcT diff/diff 2	366	32.52	0.74	2.3	32.5
COULTER JR,JS,JT, ONYX	11	31.92	0.61	1.9	31.8
COULTER MD8, MD16,MDII 8,16	24	32.32	1.02	3.2	32.5
COULTER S880,T540,T660,T890	21	32.04	0.72	2.2	32.1
Danam DC-16,1600,Excel,1800MS	17	32.59	0.49	1.5	32.5

BASIC HEMATOLOGY W/ 3-PART DIFFERENTIAL-PLATELET COUNT (x 10⁹/L)

<u>Instruments</u>	<u>Specimen HD-6</u>					<u>Specimen HD-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	532	255.5	16.7	6.6	255	535	524.1	28.1	5.4	522
All ABX Instruments	136	260.9	13.0	5.0	262	133	584.5	20.5	3.5	585
All COULTER Instruments	473	249.2	14.6	5.9	249	478	524.4	26.4	5.0	525
All Danam Instruments	19	245.3	18.2	7.4	247	19	506.2	35.0	6.9	503
All Method	1186	253.6	16.3	6.4	253	1186	531.0	33.2	6.3	528
Abbott Cell-Dyn 1200	6	249.2	13.5	5.4	258	6	523.3	29.6	5.7	522
Abbott Cell-Dyn 1400	6	256.7	12.7	5.0	259	6	542.7	38.5	7.1	544
Abbott Cell-Dyn 1600	35	266.1	14.3	5.4	269	36	540.5	27.5	5.1	542
Abbott Cell-Dyn 1700	294	251.0	17.0	6.8	249	297	519.9	27.8	5.4	516
Abbott Cell-Dyn 1800	188	260.5	14.7	5.7	260	187	526.3	26.6	5.1	525
ABX Diagnostics Micros/45/60	134	260.8	13.0	5.0	262	133	585.3	21.3	3.6	587
COULTER AcT 8/10	68	247.2	14.8	6.0	248	68	522.1	27.9	5.3	529
COULTER AcT diff/diff 2	366	250.1	15.3	6.1	250	367	525.9	25.8	4.9	525
COULTER JR,JS,JT, ONYX	11	246.3	10.7	4.3	243	11	525.0	20.8	4.0	527
COULTER MD8, MD16,MDII 8,16	24	250.9	16.6	6.6	252	24	521.0	30.3	5.8	526
COULTER S880,T540,T660,T890	20	249.8	15.5	6.2	251	20	502.8	27.7	5.5	509
Danam DC-16,1600,Excel,1800MS	17	242.8	17.0	7.0	246	17	503.6	35.9	7.1	499

<u>Instruments</u>	<u>Specimen HD-8</u>					<u>Specimen HD-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	518	146.7	18.7	12.8	147	527	180.3	17.9	10.0	180
All ABX Instruments	132	136.5	13.5	9.9	135	136	174.7	14.4	8.3	174
All COULTER Instruments	454	139.4	14.1	10.1	138	467	180.1	13.3	7.4	179
All Danam Instruments	18	138.0	18.1	13.1	135	19	171.8	19.2	11.2	165
All Method	1159	143.2	17.9	12.5	141	1180	179.9	16.5	9.2	179
Abbott Cell-Dyn 1200	5	147.0	19.3	13.1	140	6	180.7	12.0	6.7	184
Abbott Cell-Dyn 1400	6	144.5	17.3	12.0	149	6	181.5	18.4	10.2	185
Abbott Cell-Dyn 1600	35	148.7	14.5	9.7	149	35	184.1	12.0	6.5	183
Abbott Cell-Dyn 1700	290	138.9	16.9	12.2	138	293	172.6	16.6	9.6	171
Abbott Cell-Dyn 1800	183	159.9	17.4	10.9	157	186	192.0	15.5	8.1	191
ABX Diagnostics Micros/45/60	130	136.2	13.4	9.8	135	134	174.4	14.3	8.2	173
COULTER AcT 8/10	67	140.7	17.8	12.7	139	67	181.6	16.3	9.0	181
COULTER AcT diff/diff 2	352	139.6	14.5	10.4	138	362	180.3	13.4	7.4	178
COULTER JR,JS,JT, ONYX	10	138.8	5.2	3.7	140	11	177.5	8.9	5.0	177
COULTER MD8, MD16,MDII 8,16	24	140.0	17.7	12.6	136	24	181.3	17.3	9.5	180
COULTER S880,T540,T660,T890	20	153.2	18.4	12.0	153	20	181.8	14.2	7.8	184
Danam DC-16,1600,Excel,1800MS	17	140.9	24.5	17.4	135	17	168.5	17.2	10.2	164

<u>Specimen HD-10</u>										
<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	533	387.0	23.7	6.1	387					
All ABX Instruments	137	416.3	17.1	4.1	418					
All COULTER Instruments	472	390.6	20.2	5.2	389					
All Danam Instruments	19	370.8	24.7	6.7	367					
All Method	1183	391.8	24.0	6.1	391					
Abbott Cell-Dyn 1200	6	382.7	15.1	3.9	387					
Abbott Cell-Dyn 1400	6	391.0	19.8	5.1	386					
Abbott Cell-Dyn 1600	36	400.8	21.4	5.3	402					
Abbott Cell-Dyn 1700	294	378.8	23.2	6.1	376					
Abbott Cell-Dyn 1800	188	396.8	19.8	5.0	395					
ABX Diagnostics Micros/45/60	135	416.2	17.1	4.1	418					
COULTER AcT 8/10	67	389.4	18.1	4.6	387					
COULTER AcT diff/diff 2	364	391.1	20.7	5.3	390					
COULTER JR,JS,JT, ONYX	10	393.0	9.9	2.5	393					
COULTER MD8, MD16,MDII 8,16	24	393.1	27.5	7.0	397					
COULTER S880,T540,T660,T890	19	381.7	15.2	4.0	381					
Danam DC-16,1600,Excel,1800MS	17	368.5	24.1	6.6	367					

BASIC HEMATOLOGY W/ 3-PART DIFFERENTIAL-LYMPHOCYTES (percent)

<u>Instruments</u>	Specimen HD-6					Specimen HD-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	483	50.32	2.06	4.1	50.5	482	41.98	1.58	3.8	42.2
All ABX Instruments	130	49.24	1.62	3.3	49.3	130	41.17	1.31	3.2	41.3
All COULTER Instruments	377	52.91	1.29	2.4	53.0	365	45.95	0.83	1.8	46.0
All Danam Instruments	18	53.27	1.85	3.5	53.6	18	44.93	2.57	5.7	46.0
All Method	1045	51.15	2.32	4.5	51.5	1045	43.29	2.46	5.7	42.9
Abbott Cell-Dyn 1200	6	52.33	2.26	4.3	52.1	6	44.10	0.53	1.2	44.2
Abbott Cell-Dyn 1400	5	50.62	1.65	3.3	50.6	5	42.06	1.15	2.7	41.9
Abbott Cell-Dyn 1600	33	50.68	2.24	4.4	51.1	33	42.35	1.58	3.7	42.3
Abbott Cell-Dyn 1700	268	51.37	1.44	2.8	51.3	267	42.86	1.06	2.5	42.7
Abbott Cell-Dyn 1800	169	48.49	1.54	3.2	48.5	169	40.44	1.01	2.5	40.4
ABX Diagnostics Micros/45/60	128	49.21	1.60	3.3	49.3	128	41.15	1.31	3.2	41.2
COULTER AcT 8/10	34	48.26	1.06	2.2	48.6	34	40.19	0.74	1.8	40.3
COULTER AcT diff/diff 2	330	53.12	0.96	1.8	53.1	334	46.01	0.61	1.3	46.0
COULTER JR,JS,JT, ONYX	9	52.00	1.58	3.0	52.3	9	45.09	1.50	3.3	44.6
COULTER MD8, MD16,MDII 8,16	21	53.25	1.03	1.9	53.5	21	46.55	0.75	1.6	46.6
COULTER S880,T540,T660,T890	8	51.99	1.25	2.4	52.2	8	43.12	1.28	3.0	42.4
Danam DC-16,1600,Excel,1800MS	17	53.39	1.83	3.4	53.6	17	45.20	2.38	5.3	46.0

<u>Instruments</u>	Specimen HD-8					Specimen HD-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	480	35.10	1.67	4.7	35.2	480	50.15	1.69	3.4	50.6
All ABX Instruments	127	34.20	1.31	3.8	34.3	129	49.33	1.31	2.7	49.3
All COULTER Instruments	378	37.50	1.06	2.8	37.6	353	55.14	0.68	1.2	55.2
All Danam Instruments	18	37.12	1.67	4.5	37.4	18	54.35	2.21	4.1	54.9
All Method	1039	35.90	1.95	5.4	36.1	1044	51.69	3.04	5.9	51.3
Abbott Cell-Dyn 1200	6	35.97	2.85	7.9	37.1	6	53.20	0.43	0.8	53.1
Abbott Cell-Dyn 1400	5	34.78	0.81	2.3	35.0	5	50.92	0.75	1.5	50.7
Abbott Cell-Dyn 1600	33	35.67	1.68	4.7	35.6	33	50.94	1.38	2.7	51.1
Abbott Cell-Dyn 1700	268	36.00	1.14	3.2	35.9	268	51.14	0.90	1.8	51.1
Abbott Cell-Dyn 1800	167	33.55	1.19	3.6	33.4	168	48.21	1.02	2.1	48.3
ABX Diagnostics Micros/45/60	126	34.23	1.34	3.9	34.3	127	49.32	1.32	2.7	49.3
COULTER AcT 8/10	35	33.59	0.83	2.5	33.8	33	46.25	0.92	2.0	46.2
COULTER AcT diff/diff 2	331	37.66	0.74	2.0	37.7	330	55.15	0.58	1.0	55.2
COULTER JR,JS,JT, ONYX	9	36.68	1.50	4.1	36.6	9	54.49	1.50	2.8	53.9
COULTER MD8, MD16,MDII 8,16	21	37.95	0.74	1.9	38.1	21	55.37	0.84	1.5	55.7
COULTER S880,T540,T660,T890	8	36.96	1.60	4.3	36.8	8	48.78	1.50	3.1	48.5
Danam DC-16,1600,Excel,1800MS	17	37.21	1.68	4.5	37.4	17	54.53	2.14	3.9	54.9

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	481	43.22	1.53	3.5	43.5
All ABX Instruments	129	42.56	1.11	2.6	42.5
All COULTER Instruments	357	47.62	0.69	1.4	47.6
All Danam Instruments	18	46.53	2.44	5.2	47.2
All Method	1043	44.67	2.61	5.8	44.2
Abbott Cell-Dyn 1200	6	45.25	1.08	2.4	45.9
Abbott Cell-Dyn 1400	5	43.14	1.06	2.5	42.8
Abbott Cell-Dyn 1600	33	43.77	1.39	3.2	44.1
Abbott Cell-Dyn 1700	267	44.09	0.93	2.1	44.0
Abbott Cell-Dyn 1800	168	41.64	0.96	2.3	41.6
ABX Diagnostics Micros/45/60	127	42.54	1.11	2.6	42.5
COULTER AcT 8/10	31	40.99	0.71	1.7	41.1
COULTER AcT diff/diff 2	332	47.62	0.57	1.2	47.6
COULTER JR,JS,JT, ONYX	9	46.23	1.29	2.8	46.3
COULTER MD8, MD16,MDII 8,16	21	48.17	0.75	1.5	48.0
COULTER S880,T540,T660,T890	8	43.58	1.19	2.7	43.3
Danam DC-16,1600,Excel,1800MS	17	46.73	2.36	5.1	47.2

BASIC HEMATOLOGY W/ 3-PART DIFFERENTIAL–MONO/MID/MIXED/MCR (percent)

Specimen HD-6

Specimen HD-7

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	469	5.45	1.37	25.1	5.0	469	3.67	1.06	28.9	3.2
All ABX Instruments	130	5.37	1.13	21.0	5.3	128	3.76	0.90	24.0	3.7
All COULTER Instruments	349	4.97	0.47	9.5	5.0	353	2.87	0.33	11.5	2.9
All Danam Instruments	18	3.34	0.43	12.7	3.3	18	2.13	0.20	9.5	2.1
All Method	989	5.22	1.15	22.0	5.0	1006	3.30	1.02	31.0	3.0
Abbott Cell-Dyn 1200	6	4.15	0.37	9.0	4.4	6	2.38	0.25	10.4	2.5
Abbott Cell-Dyn 1600	32	4.23	0.89	21.0	4.2	34	2.87	1.09	38.0	2.6
Abbott Cell-Dyn 1700	264	4.63	0.55	11.8	4.6	264	3.00	0.30	9.9	3.0
Abbott Cell-Dyn 1800	167	7.06	0.87	12.4	7.0	167	4.95	0.63	12.8	4.9
ABX Diagnostics Micros/45/60	128	5.38	1.14	21.2	5.3	126	3.77	0.91	24.0	3.7
COULTER AcT diff/diff 2	329	4.96	0.48	9.8	5.0	332	2.86	0.32	11.1	2.9
COULTER JR,JS,JT, ONYX	9	4.90	0.55	11.3	5.0	9	2.56	0.72	28.0	2.8
COULTER MD8, MD16,MDII 8,16	21	5.08	0.41	8.0	4.9	21	3.03	0.47	15.4	3.1
Danam DC-16,1600,Excel,1800MS	17	3.38	0.41	12.0	3.3	17	2.11	0.20	9.3	2.0

Specimen HD-8

Specimen HD-9

All Abbott Cell-Dyn Instruments	468	4.07	1.14	28.0	3.7	467	4.56	1.32	29.0	4.0
All ABX Instruments	128	3.76	0.75	19.9	3.8	127	4.62	0.94	20.5	4.5
All COULTER Instruments	349	3.15	0.29	9.3	3.2	351	3.33	0.25	7.4	3.3
All Danam Instruments	18	2.32	0.25	10.6	2.2	18	2.68	0.30	11.1	2.6
All Method	985	3.65	1.00	27.3	3.3	1001	4.03	1.26	31.1	3.6
Abbott Cell-Dyn 1200	6	3.05	0.57	18.6	3.0	6	2.73	0.23	8.6	2.9
Abbott Cell-Dyn 1600	34	3.07	1.09	35.5	2.9	34	3.86	1.23	31.8	3.7
Abbott Cell-Dyn 1700	266	3.36	0.38	11.3	3.3	265	3.70	0.36	9.8	3.7
Abbott Cell-Dyn 1800	166	5.51	0.59	10.7	5.5	168	6.28	0.74	11.8	6.2
ABX Diagnostics Micros/45/60	126	3.76	0.74	19.7	3.8	127	4.67	1.03	22.0	4.6
COULTER AcT diff/diff 2	328	3.15	0.28	8.9	3.2	330	3.33	0.25	7.4	3.3
COULTER JR,JS,JT, ONYX	9	2.69	0.57	21.2	2.9	9	3.08	0.93	30.2	3.1
COULTER MD8, MD16,MDII 8,16	21	3.19	0.45	14.1	3.3	21	3.42	0.26	7.5	3.4
Danam DC-16,1600,Excel,1800MS	17	2.33	0.25	10.6	2.2	17	2.70	0.29	10.7	2.6

Specimen HD-10

All Abbott Cell-Dyn Instruments	463	3.93	1.15	29.3	3.4
All ABX Instruments	128	3.90	0.83	21.2	3.8
All COULTER Instruments	348	3.07	0.26	8.4	3.1
All Danam Instruments	18	2.29	0.22	9.4	2.4
All Method	1007	3.52	1.08	30.6	3.2
Abbott Cell-Dyn 1200	6	2.60	0.15	6.0	2.7
Abbott Cell-Dyn 1600	32	2.84	0.74	25.9	2.8
Abbott Cell-Dyn 1700	261	3.18	0.28	8.9	3.2
Abbott Cell-Dyn 1800	167	5.38	0.62	11.5	5.3
ABX Diagnostics Micros/45/60	126	3.90	0.83	21.2	3.8
COULTER AcT diff/diff 2	329	3.07	0.26	8.4	3.1
COULTER JR,JS,JT, ONYX	9	2.78	0.73	26.3	3.0
COULTER MD8, MD16,MDII 8,16	21	3.22	0.33	10.4	3.2
Danam DC-16,1600,Excel,1800MS	17	2.30	0.22	9.6	2.4

BASIC HEMATOLOGY W/ 3-PART DIFFERENTIAL-GRANULOCYTES/NEUT (percent)

<u>Instruments</u>	<u>Specimen HD-6</u>					<u>Specimen HD-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	476	44.23	1.34	3.0	44.3	460	54.46	0.80	1.5	54.5
All ABX Instruments	128	45.41	0.95	2.1	45.3	129	55.05	0.69	1.3	55.0
All COULTER Instruments	351	41.92	0.98	2.3	41.9	354	51.09	0.70	1.4	51.1
All Danam Instruments	18	43.38	1.93	4.5	43.5	18	52.92	2.61	4.9	52.0
All Method	997	43.53	1.79	4.1	43.6	1001	53.25	1.92	3.6	53.9
Abbott Cell-Dyn 1200	6	43.52	2.06	4.7	43.9	6	53.52	0.57	1.1	53.7
Abbott Cell-Dyn 1400	5	49.38	1.65	3.3	49.4	5	57.94	1.15	2.0	58.1
Abbott Cell-Dyn 1600	33	44.98	1.64	3.6	45.1	33	54.66	1.11	2.0	54.6
Abbott Cell-Dyn 1700	268	43.99	1.36	3.1	44.1	266	54.17	1.02	1.9	54.3
Abbott Cell-Dyn 1800	168	44.44	1.14	2.6	44.4	166	54.67	0.67	1.2	54.6
ABX Diagnostics Micros/45/60	127	45.42	0.95	2.1	45.3	127	55.05	0.69	1.3	55.0
COULTER AcT diff/diff 2	331	41.94	0.99	2.4	41.9	333	51.13	0.67	1.3	51.1
COULTER JR,JS,JT, ONYX	9	43.10	1.69	3.9	43.0	9	52.36	1.93	3.7	52.5
COULTER MD8, MD16,MDII 8,16	21	41.70	1.11	2.7	41.6	21	50.43	0.88	1.7	50.6
Danam DC-16,1600,Excel,1800MS	17	43.22	1.86	4.3	43.1	17	52.66	2.45	4.7	52.0

<u>Instruments</u>	<u>Specimen HD-8</u>					<u>Specimen HD-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	470	60.84	1.09	1.8	61.0	472	45.31	0.72	1.6	45.4
All ABX Instruments	127	61.97	0.92	1.5	62.1	127	46.00	0.57	1.2	46.0
All COULTER Instruments	349	59.17	0.72	1.2	59.2	348	41.49	0.55	1.3	41.5
All Danam Instruments	18	60.54	1.80	3.0	60.4	18	42.96	2.43	5.7	42.5
All Method	995	60.35	1.45	2.4	60.3	999	43.98	2.08	4.7	44.9
Abbott Cell-Dyn 1200	6	59.98	0.81	1.4	60.5	6	44.07	0.33	0.8	44.1
Abbott Cell-Dyn 1400	5	65.22	0.81	1.2	65.0	5	49.08	0.75	1.5	49.3
Abbott Cell-Dyn 1600	32	61.41	1.06	1.7	61.5	33	45.19	0.75	1.7	45.3
Abbott Cell-Dyn 1700	268	60.63	1.22	2.0	60.9	268	45.17	0.81	1.8	45.2
Abbott Cell-Dyn 1800	167	60.96	1.02	1.7	61.0	169	45.50	0.60	1.3	45.5
ABX Diagnostics Micros/45/60	126	61.95	0.96	1.5	62.1	126	45.98	0.60	1.3	46.0
COULTER AcT diff/diff 2	332	59.17	0.77	1.3	59.2	329	41.51	0.54	1.3	41.5
COULTER JR,JS,JT, ONYX	9	60.63	1.71	2.8	61.2	9	42.43	2.05	4.8	42.5
COULTER MD8, MD16,MDII 8,16	21	58.86	0.79	1.3	59.0	21	41.21	0.84	2.0	41.0
Danam DC-16,1600,Excel,1800MS	17	60.45	1.80	3.0	60.4	17	42.76	2.34	5.5	42.4

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	472	52.87	0.86	1.6	53.0
All ABX Instruments	128	53.51	0.60	1.1	53.5
All COULTER Instruments	349	49.29	0.61	1.2	49.3
All Danam Instruments	18	51.14	2.56	5.0	50.8
All Method	997	51.62	2.02	3.9	52.4
Abbott Cell-Dyn 1200	6	52.15	1.21	2.3	52.2
Abbott Cell-Dyn 1400	5	56.86	1.06	1.9	57.2
Abbott Cell-Dyn 1600	32	53.21	0.77	1.4	53.0
Abbott Cell-Dyn 1700	267	52.72	0.96	1.8	52.9
Abbott Cell-Dyn 1800	167	52.99	0.71	1.3	53.0
ABX Diagnostics Micros/45/60	127	53.53	0.63	1.2	53.5
COULTER AcT diff/diff 2	331	49.31	0.61	1.2	49.3
COULTER JR,JS,JT, ONYX	9	50.99	1.76	3.5	50.6
COULTER MD8, MD16,MDII 8,16	21	48.61	0.85	1.7	48.7
Danam DC-16,1600,Excel,1800MS	17	50.94	2.47	4.8	50.7

WAIVED HEMATOLOGY–HEMOGLOBIN (g/dL)

<u>Instruments</u>	Specimen HD-6					Specimen HD-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	34	11.04	0.79	7.1	11.1	33	7.82	0.96	12.3	7.5
GDS Stat-Site	6	9.57	1.34	14.0	9.4	6	10.52	1.38	13.1	10.9
HemoCue	26	11.11	0.29	2.6	11.1	26	7.43	0.19	2.5	7.5

WAIVED HEMATOLOGY–HEMATOCRIT (percent)

<u>Instruments</u>	Specimen HD-6					Specimen HD-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Microhematocrit Methods	25	33.57	1.60	4.8	34.0	26	20.48	1.21	5.9	20.0
All Method	25	33.57	1.60	4.8	34.0	26	20.48	1.21	5.9	20.0
Clay Adam Auto,Readacrit,Triac	6	35.83	4.36	12.2	35.0	6	20.33	0.82	4.0	20.0
CritSpin/StatSpin	6	34.50	1.05	3.0	35.0	6	20.83	0.98	4.7	21.0
Microhematocrit	14	32.94	1.47	4.5	33.0	14	20.39	1.46	7.1	20.0

HEMATOLOGY W/ 5-PART DIFFERENTIAL–WHITE BLOOD CELL COUNT (x 10⁹/L)

<u>Instruments</u>	Specimen DIF-6					Specimen DIF-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	11	5.98	0.27	4.5	6.0	11	21.25	0.94	4.4	21.1
All COULTER Instruments	37	5.88	0.14	2.4	5.9	38	23.12	0.63	2.7	23.2
All Method	53	5.90	0.20	3.3	5.9	53	22.66	1.03	4.5	22.9
Abbott Cell-Dyn 3500 / 3700	7	5.90	0.19	3.2	5.9	7	20.80	0.58	2.8	20.9
COULTER HmX	11	5.86	0.21	3.6	5.8	11	22.95	0.77	3.4	22.9
COULTER LH500	6	5.88	0.16	2.7	5.9	6	23.35	0.30	1.3	23.4
COULTER MAXM, MAXM A/L	18	5.93	0.14	2.3	6.0	18	23.27	0.58	2.5	23.3

<u>Instruments</u>	Specimen DIF-8					Specimen DIF-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	10	2.95	0.14	4.6	3.0	11	7.39	0.22	3.0	7.4
All COULTER Instruments	38	2.97	0.09	3.0	3.0	38	7.70	0.17	2.2	7.7
All Method	52	2.96	0.11	3.6	3.0	53	7.62	0.22	2.9	7.6
Abbott Cell-Dyn 3500 / 3700	7	3.04	0.32	10.5	2.9	7	7.29	0.18	2.4	7.3
COULTER HmX	11	2.97	0.10	3.4	3.0	11	7.67	0.24	3.1	7.7
COULTER LH500	6	2.98	0.13	4.5	3.1	6	7.72	0.08	1.0	7.7
COULTER MAXM, MAXM A/L	18	2.98	0.06	2.1	3.0	18	7.73	0.15	2.0	7.8

<u>Instruments</u>	Specimen DIF-10				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	9	13.80	0.34	2.4	13.9
All COULTER Instruments	38	14.59	0.28	1.9	14.6
All Method	51	14.42	0.43	3.0	14.4
Abbott Cell-Dyn 3500 / 3700	7	13.30	0.67	5.0	13.5
COULTER HmX	11	14.45	0.27	1.8	14.4
COULTER LH500	6	14.65	0.30	2.1	14.7
COULTER MAXM, MAXM A/L	18	14.68	0.27	1.8	14.7

HEMATOLOGY W/ 5-PART DIFFERENTIAL–RED BLOOD CELL COUNT (x 10¹²/L)

<u>Instruments</u>	<u>Specimen DIF-6</u>					<u>Specimen DIF-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	11	3.414	0.054	1.6	3.41	10	5.732	0.142	2.5	5.77
All COULTER Instruments	37	3.424	0.066	1.9	3.41	38	5.699	0.115	2.0	5.70
All Method	52	3.423	0.062	1.8	3.42	52	5.708	0.118	2.1	5.70
Abbott Cell-Dyn 3500 / 3700	7	3.414	0.053	1.5	3.41	7	5.736	0.164	2.9	5.77
COULTER HmX	11	3.441	0.097	2.8	3.42	11	5.676	0.115	2.0	5.64
COULTER LH500	6	3.422	0.072	2.1	3.41	6	5.748	0.128	2.2	5.71
COULTER MAXM, MAXM A/L	18	3.435	0.076	2.2	3.46	18	5.696	0.122	2.1	5.71

<u>Instruments</u>	<u>Specimen DIF-8</u>					<u>Specimen DIF-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	11	2.806	0.074	2.6	2.81	11	3.390	0.089	2.6	3.38
All COULTER Instruments	38	2.814	0.053	1.9	2.81	38	3.407	0.077	2.3	3.41
All Method	53	2.815	0.057	2.0	2.81	53	3.404	0.077	2.3	3.40
Abbott Cell-Dyn 3500 / 3700	7	2.804	0.065	2.3	2.82	7	3.393	0.103	3.0	3.34
COULTER HmX	11	2.803	0.062	2.2	2.81	11	3.414	0.096	2.8	3.41
COULTER LH500	6	2.833	0.046	1.6	2.85	6	3.413	0.036	1.1	3.43
COULTER MAXM, MAXM A/L	18	2.823	0.050	1.8	2.82	18	3.406	0.082	2.4	3.44

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	11	3.902	0.071	1.8	3.88
All COULTER Instruments	38	3.914	0.071	1.8	3.92
All Method	53	3.914	0.070	1.8	3.91
Abbott Cell-Dyn 3500 / 3700	7	3.914	0.081	2.1	3.89
COULTER HmX	11	3.916	0.082	2.1	3.92
COULTER LH500	6	3.922	0.072	1.8	3.89
COULTER MAXM, MAXM A/L	18	3.911	0.074	1.9	3.94

HEMATOLOGY W/ 5-PART DIFFERENTIAL–HEMOGLOBIN (g/dL)

<u>Instruments</u>	<u>Specimen DIF-6</u>					<u>Specimen DIF-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	11	10.67	0.13	1.2	10.6	11	17.45	0.43	2.5	17.4
All COULTER Instruments	38	10.75	0.18	1.6	10.8	38	17.47	0.30	1.7	17.5
All Method	53	10.74	0.17	1.6	10.7	53	17.47	0.33	1.9	17.4
Abbott Cell-Dyn 3500 / 3700	7	10.64	0.08	0.7	10.6	7	17.63	0.38	2.1	17.8
COULTER HmX	11	10.76	0.21	2.0	10.7	11	17.34	0.29	1.7	17.3
COULTER LH500	6	10.78	0.13	1.2	10.8	6	17.45	0.23	1.3	17.4
COULTER MAXM, MAXM A/L	18	10.73	0.18	1.7	10.8	18	17.59	0.29	1.7	17.7

HEMATOLOGY W/ 5-PART DIFFERENTIAL–HEMOGLOBIN (g/dL)

<u>Instruments</u>	<u>Specimen DIF-8</u>					<u>Specimen DIF-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	11	7.25	0.14	2.0	7.3	10	9.49	0.09	0.9	9.5
All COULTER Instruments	38	7.26	0.11	1.5	7.3	38	9.54	0.14	1.5	9.5
All Method	53	7.25	0.12	1.7	7.3	52	9.53	0.14	1.4	9.5
Abbott Cell-Dyn 3500 / 3700	7	7.21	0.17	2.3	7.2	7	9.57	0.21	2.2	9.5
COULTER HmX	11	7.20	0.11	1.5	7.2	11	9.57	0.12	1.2	9.6
COULTER LH500	6	7.35	0.05	0.7	7.4	6	9.52	0.12	1.2	9.5
COULTER MAXM, MAXM A/L	18	7.27	0.11	1.6	7.3	18	9.53	0.16	1.7	9.5

Specimen DIF-10

All Abbott Cell-Dyn Instruments	11	11.40	0.17	1.5	11.4
All COULTER Instruments	38	11.38	0.18	1.6	11.4
All Method	53	11.39	0.17	1.5	11.4
Abbott Cell-Dyn 3500 / 3700	7	11.39	0.16	1.4	11.4
COULTER HmX	11	11.36	0.17	1.5	11.4
COULTER LH500	6	11.45	0.14	1.2	11.5
COULTER MAXM, MAXM A/L	18	11.38	0.20	1.8	11.4

HEMATOLOGY W/ 5-PART DIFFERENTIAL–HEMATOCRIT (percent)

<u>Instruments</u>	<u>Specimen DIF-6</u>					<u>Specimen DIF-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All COULTER Instruments	38	30.34	0.74	2.5	30.4	38	49.68	1.00	2.0	49.8
All Abbott Cell-Dyn Instruments	11	30.92	0.40	1.3	30.9	10	51.35	1.23	2.4	51.3
All Method	53	30.49	0.80	2.6	30.5	52	50.05	1.34	2.7	49.9
Abbott Cell-Dyn 3500 / 3700	7	30.93	0.46	1.5	30.9	7	51.34	1.33	2.6	51.3
COULTER HmX	11	30.43	0.92	3.0	30.5	11	49.58	0.99	2.0	49.6
COULTER LH500	6	30.05	0.64	2.1	30.1	6	49.80	0.79	1.6	49.8
COULTER MAXM, MAXM A/L	18	30.39	0.74	2.4	30.5	18	49.58	1.13	2.3	49.8

Specimen DIF-8

All COULTER Instruments	38	20.65	0.45	2.2	20.7	38	26.96	0.66	2.4	27.1
All Abbott Cell-Dyn Instruments	11	21.16	0.51	2.4	21.1	11	27.46	0.80	2.9	27.4
All Method	53	20.82	0.57	2.7	20.8	53	27.11	0.76	2.8	27.1
Abbott Cell-Dyn 3500 / 3700	7	21.21	0.64	3.0	20.9	7	27.56	0.70	2.5	27.4
COULTER HmX	11	20.59	0.55	2.7	20.7	11	27.04	0.80	2.9	27.1
COULTER LH500	6	20.72	0.53	2.6	21.0	6	26.90	0.56	2.1	27.0
COULTER MAXM, MAXM A/L	18	20.72	0.38	1.8	20.7	18	26.92	0.69	2.5	27.1

Specimen DIF-9

Specimen DIF-10

All COULTER Instruments	38	32.06	0.62	1.9	32.2
All Abbott Cell-Dyn Instruments	11	32.69	0.68	2.1	32.5
All Method	53	32.24	0.77	2.4	32.3
Abbott Cell-Dyn 3500 / 3700	7	32.90	0.74	2.2	32.6
COULTER HmX	11	32.12	0.74	2.3	32.3
COULTER LH500	6	31.97	0.33	1.0	32.1
COULTER MAXM, MAXM A/L	18	31.97	0.63	2.0	32.2

HEMATOLOGY W/ 5-PART DIFFERENTIAL–NEUTROPHILS (percent)

<u>Instruments</u>	<u>Specimen DIF-6</u>					<u>Specimen DIF-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	10	70.79	2.18	3.1	70.6	10	72.96	2.64	3.6	72.5
All COULTER Instruments	38	67.47	4.62	6.9	66.2	38	64.80	3.48	5.4	63.8
All Method	52	68.00	5.05	7.4	67.6	53	66.41	5.64	8.5	65.2
Abbott Cell-Dyn 3500 / 3700	7	70.76	2.59	3.7	70.1	7	73.53	3.00	4.1	72.8
COULTER HmX	11	66.44	3.76	5.7	65.0	11	64.77	3.89	6.0	63.6
COULTER LH500	6	64.32	5.65	8.8	63.3	6	62.38	2.84	4.5	62.9
COULTER MAXM, MAXM A/L	18	68.73	4.12	6.0	67.7	18	65.45	3.48	5.3	63.8

<u>Instruments</u>	<u>Specimen DIF-8</u>					<u>Specimen DIF-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	10	57.20	4.26	7.5	58.0	10	58.44	2.36	4.0	58.0
All COULTER Instruments	36	52.31	2.82	5.4	51.9	36	53.08	3.90	7.4	52.5
All Method	53	53.65	5.44	10.1	52.5	52	54.36	5.70	10.5	53.2
Abbott Cell-Dyn 3500 / 3700	7	57.27	5.19	9.1	58.3	7	58.74	2.80	4.8	58.0
COULTER HmX	11	52.29	1.77	3.4	52.5	11	53.27	1.92	3.6	53.1
COULTER LH500	6	49.23	0.85	1.7	49.3	6	50.17	2.58	5.1	49.9
COULTER MAXM, MAXM A/L	18	54.06	4.43	8.2	53.0	18	55.70	6.69	12.0	53.0

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	10	64.99	2.52	3.9	64.3
All COULTER Instruments	37	56.40	3.12	5.5	55.5
All Method	52	58.03	5.39	9.3	56.2
Abbott Cell-Dyn 3500 / 3700	7	65.30	2.99	4.6	64.3
COULTER HmX	11	55.85	1.34	2.4	55.7
COULTER LH500	6	53.35	1.19	2.2	53.6
COULTER MAXM, MAXM A/L	18	57.84	4.33	7.5	56.2

HEMATOLOGY W/ 5-PART DIFFERENTIAL–LYMPHOCYTES (percent)

<u>Instruments</u>	<u>Specimen DIF-6</u>					<u>Specimen DIF-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	10	26.74	1.50	5.6	27.1	10	22.21	1.75	7.9	22.6
All COULTER Instruments	38	21.53	1.22	5.7	21.3	38	17.11	1.04	6.1	17.1
All Method	52	23.06	2.87	12.5	22.1	52	18.57	2.70	14.5	17.7
Abbott Cell-Dyn 3500 / 3700	7	26.76	1.75	6.6	27.1	7	22.27	2.09	9.4	23.0
COULTER HmX	11	21.25	0.46	2.2	21.2	11	17.05	1.13	6.6	16.6
COULTER LH500	6	22.80	1.05	4.6	23.3	6	18.02	0.61	3.4	18.4
COULTER MAXM, MAXM A/L	18	21.21	1.27	6.0	21.3	18	16.87	1.03	6.1	16.9

HEMATOLOGY W/ 5-PART DIFFERENTIAL–LYMPHOCYTES (percent)

<u>Instruments</u>	<u>Specimen DIF-8</u>					<u>Specimen DIF-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	9	39.43	1.90	4.8	39.7	10	38.07	2.07	5.4	38.3
All COULTER Instruments	38	33.59	1.65	4.9	33.8	37	30.94	1.79	5.8	31.2
All Method	51	35.37	3.62	10.2	34.4	52	32.89	4.11	12.5	31.8
Abbott Cell-Dyn 3500 / 3700	7	40.74	4.82	11.8	39.7	7	38.09	2.49	6.5	38.3
COULTER HmX	11	33.37	1.34	4.0	33.8	11	30.60	1.17	3.8	31.0
COULTER LH500	6	34.28	0.98	2.9	34.1	6	32.50	1.10	3.4	32.4
COULTER MAXM, MAXM A/L	18	33.20	1.75	5.3	33.3	18	30.06	2.40	8.0	31.2

<u>Specimen DIF-10</u>										
All Abbott Cell-Dyn Instruments	10	30.37	1.98	6.5	30.8					
All COULTER Instruments	36	22.81	0.89	3.9	22.6					
All Method	52	24.89	3.71	14.9	23.2					
Abbott Cell-Dyn 3500 / 3700	7	30.23	2.39	7.9	30.8					
COULTER HmX	11	22.34	0.58	2.6	22.3					
COULTER LH500	6	24.05	0.60	2.5	23.9					
COULTER MAXM, MAXM A/L	18	22.86	1.45	6.3	22.7					

HEMATOLOGY W/ 5-PART DIFFERENTIAL–MONOCYTES (percent)

<u>Instruments</u>	<u>Specimen DIF-6</u>					<u>Specimen DIF-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	10	0.72	0.42	57.8	0.7	10	0.71	0.42	59.5	0.7
All COULTER Instruments	38	8.69	3.67	42.2	10.2	38	7.26	2.86	39.4	8.5
All Method	52	6.98	4.54	65.1	8.9	52	5.93	3.67	61.9	7.5
Abbott Cell-Dyn 3500 / 3700	7	0.69	0.46	67.1	0.7	7	0.63	0.35	54.9	0.7
COULTER HmX	11	9.67	3.08	31.8	10.9	11	7.01	3.28	46.8	8.5
COULTER LH500	6	10.45	4.83	46.2	12.0	6	9.15	2.71	29.7	9.2
COULTER MAXM, MAXM A/L	18	7.95	3.27	41.2	9.1	18	6.77	2.73	40.3	8.1

<u>Instruments</u>	<u>Specimen DIF-8</u>					<u>Specimen DIF-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	10	0.71	0.52	72.9	0.5	10	0.57	0.25	43.8	0.7
All COULTER Instruments	35	12.88	1.73	13.5	13.3	38	10.14	3.80	37.5	11.3
All Method	52	9.31	5.52	59.3	12.5	52	7.95	5.08	64.0	9.9
Abbott Cell-Dyn 3500 / 3700	7	0.84	0.57	68.1	0.9	7	0.57	0.28	48.1	0.5
COULTER HmX	11	13.22	1.56	11.8	13.6	11	10.78	1.97	18.3	11.3
COULTER LH500	6	14.35	0.75	5.2	14.2	6	12.55	2.58	20.6	12.8
COULTER MAXM, MAXM A/L	18	11.38	3.80	33.4	12.9	18	8.94	4.75	53.1	11.0

<u>Specimen DIF-10</u>										
All Abbott Cell-Dyn Instruments	10	0.67	0.29	43.4	0.7					
All COULTER Instruments	38	8.71	2.81	32.2	9.9					
All Method	52	7.10	4.15	58.4	9.2					
Abbott Cell-Dyn 3500 / 3700	7	0.77	0.28	36.5	0.9					
COULTER HmX	11	9.67	1.36	14.1	10.1					
COULTER LH500	6	11.05	1.08	9.7	10.7					
COULTER MAXM, MAXM A/L	18	7.52	3.38	45.0	9.3					

HEMATOLOGY W/ 5-PART DIFFERENTIAL-EOSINOPHILS (percent)

<u><i>Instruments</i></u>	Specimen DIF-6					Specimen DIF-7				
	<u><i>Labs</i></u>	<u><i>Mean</i></u>	<u><i>SD</i></u>	<u><i>CV</i></u>	<u><i>Median</i></u>	<u><i>Labs</i></u>	<u><i>Mean</i></u>	<u><i>SD</i></u>	<u><i>CV</i></u>	<u><i>Median</i></u>
All Abbott Cell-Dyn Instruments	8	0.59	0.78	132.6	0.2	9	3.54	0.89	25.1	4.0
All COULTER Instruments	38	1.89	0.62	32.9	2.0	38	10.56	0.53	5.0	10.6
All Method	48	1.66	0.80	47.9	1.9	51	9.19	3.03	33.0	10.4
Abbott Cell-Dyn 3500 / 3700	5	0.50	0.58	115.8	0.2	6	3.30	0.90	27.4	4.0
COULTER HmX	11	2.07	0.66	31.6	2.1	11	10.93	0.40	3.7	10.9
COULTER LH500	6	2.33	0.33	14.0	2.3	6	10.37	0.37	3.5	10.4
COULTER MAXM, MAXM A/L	18	1.65	0.62	37.8	1.8	18	10.54	0.46	4.3	10.6

<u><i>Instruments</i></u>	Specimen DIF-8					Specimen DIF-9				
	<u><i>Labs</i></u>	<u><i>Mean</i></u>	<u><i>SD</i></u>	<u><i>CV</i></u>	<u><i>Median</i></u>	<u><i>Labs</i></u>	<u><i>Mean</i></u>	<u><i>SD</i></u>	<u><i>CV</i></u>	<u><i>Median</i></u>
All Abbott Cell-Dyn Instruments	9	0.23	0.34	143.8	0.1	8	1.06	0.50	46.6	1.2
All COULTER Instruments	37	1.08	0.37	34.3	0.9	37	4.96	0.40	8.1	5.0
All Method	49	0.94	0.53	56.6	0.9	50	4.37	1.87	42.8	4.8
Abbott Cell-Dyn 3500 / 3700	6	0.10	0.06	63.2	0.1	5	0.92	0.57	62.2	1.1
COULTER HmX	11	0.84	0.09	11.1	0.8	11	5.11	0.29	5.7	5.0
COULTER LH500	6	1.88	0.32	16.9	1.8	6	4.68	0.17	3.7	4.7
COULTER MAXM, MAXM A/L	18	1.02	0.29	28.7	1.0	17	5.04	0.40	8.0	5.0

<u><i>Instruments</i></u>	Specimen DIF-10				
<u><i>Labs</i></u>	<u><i>Mean</i></u>	<u><i>SD</i></u>	<u><i>CV</i></u>	<u><i>Median</i></u>	<u><i>Median</i></u>
All Abbott Cell-Dyn Instruments	9	3.39	0.56	16.4	3.6
All COULTER Instruments	37	11.36	0.48	4.2	11.4
All Method	51	9.63	3.33	34.6	11.2
Abbott Cell-Dyn 3500 / 3700	6	3.38	0.67	19.7	3.8
COULTER HmX	11	11.45	0.41	3.6	11.4
COULTER LH500	6	11.43	0.31	2.7	11.4
COULTER MAXM, MAXM A/L	17	11.41	0.50	4.4	11.4

HEMATOLOGY W/ 5-PART DIFFERENTIAL–BASOPHILS (percent)

<u>Instruments</u>	<u>Specimen DIF-6</u>					<u>Specimen DIF-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	10	0.92	0.49	53.2	1.0	9	0.90	0.50	55.6	1.0
All COULTER Instruments	38	0.42	0.30	71.0	0.5	36	0.22	0.23	103.8	0.1
All Method	50	0.51	0.40	79.2	0.5	47	0.34	0.40	116.6	0.2
Abbott Cell-Dyn 3500 / 3700	7	0.93	0.49	52.3	1.0	7	0.89	0.71	79.9	1.0
COULTER HmX	11	0.57	0.27	47.6	0.6	11	0.25	0.19	75.9	0.3
COULTER LH500	6	0.10	0.06	63.2	0.1	6	0.08	0.04	49.5	0.1
COULTER MAXM, MAXM A/L	18	0.46	0.29	63.2	0.5	16	0.25	0.29	117.8	0.2

<u>Instruments</u>	<u>Specimen DIF-8</u>					<u>Specimen DIF-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	9	1.18	0.54	46.3	1.1	8	1.29	0.87	67.5	1.0
All COULTER Instruments	38	0.30	0.23	75.1	0.2	33	0.19	0.17	90.2	0.1
All Method	49	0.46	0.46	101.0	0.3	44	0.41	0.58	142.7	0.2
Abbott Cell-Dyn 3500 / 3700	7	1.09	0.37	34.2	1.1	7	1.33	0.93	70.0	1.0
COULTER HmX	11	0.28	0.22	79.0	0.2	9	0.12	0.10	79.8	0.1
COULTER LH500	6	0.25	0.05	21.9	0.3	6	0.10	0	0	0.1
COULTER MAXM, MAXM A/L	18	0.34	0.27	77.3	0.3	16	0.32	0.29	91.8	0.3

<u>Instruments</u>	<u>Specimen DIF-10</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Abbott Cell-Dyn Instruments	10	0.95	0.46	48.2	1.0
All COULTER Instruments	37	0.45	0.30	66.6	0.5
All Method	49	0.54	0.40	73.3	0.5
Abbott Cell-Dyn 3500 / 3700	7	0.84	0.33	38.7	0.8
COULTER HmX	10	0.60	0.16	26.0	0.6
COULTER LH500	6	0.12	0.08	64.7	0.1
COULTER MAXM, MAXM A/L	18	0.52	0.33	63.9	0.5

QBC HEMATOLOGY–HEMATOCRIT (percent)

<u>Instruments</u>	<u>Specimen QBC-6</u>					<u>Specimen QBC-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	39	32.60	1.26	3.9	32.8	39	34.04	1.23	3.6	34.0
QBC AUTOREAD Plus - Accutubes	14	33.26	1.12	3.4	33.3	14	34.44	1.41	4.1	34.5
QBC Autoread-Ven E-Z Prep Tube	5	31.88	0.77	2.4	31.7	5	33.58	0.68	2.0	33.5
QBC Autoread-Venous Std. Tube	10	32.69	0.72	2.2	32.9	10	34.13	0.82	2.4	34.5

<u>Instruments</u>	<u>Specimen QBC-8</u>					<u>Specimen QBC-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	37	35.85	1.16	3.2	35.9	37	31.59	1.17	3.7	31.7
QBC AUTOREAD Plus - Accutubes	14	36.22	0.93	2.6	36.3	14	32.29	1.65	5.1	32.3
QBC Autoread-Ven E-Z Prep Tube	5	35.60	0.96	2.7	35.9	5	31.24	0.84	2.7	31.7
QBC Autoread-Venous Std. Tube	10	35.71	1.02	2.9	35.9	10	31.44	0.78	2.5	31.4

<u>Instruments</u>	<u>Specimen QBC-10</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	39	29.98	1.21	4.1	30.0
QBC AUTOREAD Plus - Accutubes	14	30.45	0.81	2.7	30.8
QBC Autoread-Ven E-Z Prep Tube	5	29.76	0.46	1.6	29.7
QBC Autoread-Venous Std. Tube	10	29.89	0.79	2.7	30.2

QBC HEMATOLOGY–HEMOGLOBIN (g/dL)

<u>Instruments</u>	<u>Specimen QBC-6</u>					<u>Specimen QBC-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	38	10.36	0.44	4.3	10.3	38	11.03	0.46	4.2	11.0
QBC AUTOREAD Plus - Accutubes	14	10.65	0.28	2.6	10.8	14	11.26	0.50	4.4	11.5
QBC Autoread-Ven E-Z Prep Tube	5	10.02	0.26	2.6	10.1	5	10.88	0.19	1.8	10.9
QBC Autoread-Venous Std. Tube	10	10.09	0.19	1.8	10.1	10	10.75	0.17	1.6	10.8

<u>Instruments</u>	<u>Specimen QBC-8</u>					<u>Specimen QBC-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	37	11.44	0.46	4.0	11.4	38	10.31	0.41	3.9	10.3
QBC AUTOREAD Plus - Accutubes	14	11.70	0.32	2.7	11.9	14	10.51	0.34	3.2	10.7
QBC Autoread-Ven E-Z Prep Tube	5	11.32	0.16	1.5	11.4	5	10.20	0.22	2.2	10.2
QBC Autoread-Venous Std. Tube	10	11.07	0.25	2.2	11.1	10	10.09	0.17	1.6	10.1

<u>Instruments</u>	<u>Specimen QBC-10</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	38	9.89	0.37	3.7	9.9
QBC AUTOREAD Plus - Accutubes	14	10.15	0.26	2.6	10.3
QBC Autoread-Ven E-Z Prep Tube	5	9.74	0.11	1.2	9.7
QBC Autoread-Venous Std. Tube	10	9.73	0.25	2.5	9.8

QBC HEMATOLOGY–WHITE BLOOD CELL COUNT (x 10⁹/L)

<u>Instruments</u>	<u>Specimen QBC-6</u>					<u>Specimen QBC-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	25	11.33	1.67	14.7	12.0	24	15.35	2.01	13.1	15.9
QBC AUTOREAD Plus - Accutubes	14	15.47	1.65	10.7	16.1	11	21.66	1.56	7.2	21.5
QBC Autoread-Ven E-Z Prep Tube	5	11.46	0.77	6.7	11.4	5	14.86	0.92	6.2	14.6
QBC Autoread-Venous Std. Tube	10	10.95	1.16	10.6	11.0	10	15.18	1.19	7.9	15.6

<u>Instruments</u>	<u>Specimen QBC-8</u>					<u>Specimen QBC-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	25	8.84	1.44	16.3	9.2	25	8.37	1.12	13.3	8.5
QBC AUTOREAD Plus - Accutubes	14	12.10	1.18	9.7	12.5	14	11.14	1.68	15.1	11.4
QBC Autoread-Ven E-Z Prep Tube	5	8.16	0.76	9.4	7.9	5	7.92	0.46	5.7	8.0
QBC Autoread-Venous Std. Tube	10	8.46	0.55	6.5	8.5	10	8.06	0.54	6.7	8.2

<u>Instruments</u>	<u>Specimen QBC-10</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	25	9.32	1.30	13.9	10.1
QBC AUTOREAD Plus - Accutubes	14	12.31	1.08	8.8	12.2
QBC Autoread-Ven E-Z Prep Tube	5	8.34	0.42	5.0	8.1
QBC Autoread-Venous Std. Tube	10	9.13	0.80	8.8	9.0

QBC HEMATOLOGY–PLATELET COUNT (x 10⁹/L)

<u>Instruments</u>	<u>Specimen QBC-6</u>					<u>Specimen QBC-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	15	425.7	90.5	21.3	479	15	145.1	49.3	34.0	177
QBC AUTOREAD Plus - Accutubes	14	541.8	72.0	13.3	558	13	210.4	47.1	22.4	203
QBC Autoread-Ven E-Z Prep Tube	5	464.0	48.8	10.5	443	5	132.6	17.4	13.1	124
QBC Autoread-Venous Std. Tube	10	480.6	39.4	8.2	472	10	174.3	19.6	11.2	177

<u>Instruments</u>	<u>Specimen QBC-8</u>					<u>Specimen QBC-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	15	419.5	72.5	17.3	496	15	319.6	64.2	20.1	385
QBC AUTOREAD Plus - Accutubes	14	573.4	96.0	16.8	561	11	423.8	56.5	13.3	410
QBC Autoread-Ven E-Z Prep Tube	5	426.4	39.7	9.3	413	5	314.8	41.1	13.1	315
QBC Autoread-Venous Std. Tube	10	502.6	59.9	11.9	520	10	378.7	38.7	10.2	396

QBC HEMATOLOGY–PLATELET COUNT (x 10⁹/L)**Specimen QBC-10**

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	15	329.9	65.5	19.8	390
QBC AUTOREAD Plus - Accutubes	12	465.7	93.9	20.2	431
QBC Autoread-Ven E-Z Prep Tube	5	317.4	22.3	7.0	307
QBC Autoread-Venous Std. Tube	10	397.2	42.9	10.8	403

QBC HEMATOLOGY–GRANULOCYTES (x 10⁹/L)**Specimen QBC-6**

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	38	7.68	2.12	27.6	7.0
QBC AUTOREAD Plus - Accutubes	13	10.02	1.59	15.8	9.7
QBC Autoread-Ven E-Z Prep Tube	5	6.36	0.34	5.4	6.3
QBC Autoread-Venous Std. Tube	10	6.15	0.91	14.8	6.2

Specimen QBC-7

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	38	7.68	2.12	27.6	7.0	37	7.90	2.55	32.2	7.0
QBC AUTOREAD Plus - Accutubes	13	10.02	1.59	15.8	9.7	12	10.89	1.79	16.5	11.6
QBC Autoread-Ven E-Z Prep Tube	5	6.36	0.34	5.4	6.3	5	6.28	0.49	7.8	6.2
QBC Autoread-Venous Std. Tube	10	6.15	0.91	14.8	6.2	10	6.49	0.82	12.6	6.6

Specimen QBC-8

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	38	6.37	1.88	29.5	5.5
QBC AUTOREAD Plus - Accutubes	13	8.42	1.40	16.6	8.0
QBC Autoread-Ven E-Z Prep Tube	5	4.80	0.60	12.5	4.8
QBC Autoread-Venous Std. Tube	10	4.90	0.44	9.1	5.1

Specimen QBC-9

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	38	6.37	1.88	29.5	5.5	38	5.63	1.82	32.4	4.8
QBC AUTOREAD Plus - Accutubes	13	8.42	1.40	16.6	8.0	13	7.55	1.78	23.5	7.1
QBC Autoread-Ven E-Z Prep Tube	5	4.80	0.60	12.5	4.8	5	4.14	0.32	7.8	4.3
QBC Autoread-Venous Std. Tube	10	4.90	0.44	9.1	5.1	10	4.35	0.29	6.6	4.4

Specimen QBC-10

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	38	5.92	1.65	27.8	5.2
QBC AUTOREAD Plus - Accutubes	13	7.68	1.37	17.9	7.7
QBC Autoread-Ven E-Z Prep Tube	5	4.42	0.33	7.6	4.4
QBC Autoread-Venous Std. Tube	10	4.74	0.47	10.0	4.6

QBC HEMATOLOGY–LYMPHS/MONO (x 10⁹/L)**Specimen QBC-6**

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	38	5.06	1.04	20.6	4.8
QBC AUTOREAD Plus - Accutubes	13	5.40	1.38	25.6	4.8
QBC Autoread-Ven E-Z Prep Tube	5	5.10	0.53	10.5	5.0
QBC Autoread-Venous Std. Tube	10	4.81	0.27	5.6	4.8

Specimen QBC-7

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	38	5.06	1.04	20.6	4.8	35	9.56	1.77	18.5	9.1
QBC AUTOREAD Plus - Accutubes	13	5.40	1.38	25.6	4.8	12	12.22	4.56	37.3	10.4
QBC Autoread-Ven E-Z Prep Tube	5	5.10	0.53	10.5	5.0	5	8.58	0.54	6.3	8.4
QBC Autoread-Venous Std. Tube	10	4.81	0.27	5.6	4.8	10	8.70	0.46	5.3	8.9

Specimen QBC-8

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	38	3.63	0.70	19.4	3.5
QBC AUTOREAD Plus - Accutubes	13	3.82	0.95	24.9	3.4
QBC Autoread-Ven E-Z Prep Tube	5	3.36	0.27	8.0	3.3
QBC Autoread-Venous Std. Tube	10	3.56	0.22	6.2	3.6

Specimen QBC-9

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	38	3.63	0.70	19.4	3.5	38	3.79	0.67	17.7	3.9
QBC AUTOREAD Plus - Accutubes	13	3.82	0.95	24.9	3.4	13	3.90	0.79	20.4	3.9
QBC Autoread-Ven E-Z Prep Tube	5	3.36	0.27	8.0	3.3	5	3.78	0.22	5.7	3.9
QBC Autoread-Venous Std. Tube	10	3.56	0.22	6.2	3.6	10	3.72	0.34	9.1	3.9

Specimen QBC-10

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	38	4.45	0.90	20.2	4.3
QBC AUTOREAD Plus - Accutubes	13	4.70	1.26	26.7	5.0
QBC Autoread-Ven E-Z Prep Tube	5	3.92	0.19	4.9	3.9
QBC Autoread-Venous Std. Tube	10	4.38	0.47	10.8	4.4

RETICULOCYTE COUNT (percent)

<i><u>Instruments</u></i>	Specimen RT-1					Specimen RT-2				
	<i><u>Labs</u></i>	<i><u>Mean</u></i>	<i><u>SD</u></i>	<i><u>CV</u></i>	<i><u>Median</u></i>	<i><u>Labs</u></i>	<i><u>Mean</u></i>	<i><u>SD</u></i>	<i><u>CV</u></i>	<i><u>Median</u></i>
All Automated Methods	19	2.97	1.09	36.8	3.3	19	4.55	2.49	54.8	4.4
All Manual Methods	45	4.08	1.28	31.5	4.0	45	7.82	2.43	31.1	7.8
All Method	64	3.75	1.32	35.3	3.8	65	7.00	3.06	43.7	7.1
Manual Stain w/Miller Ocular	13	3.79	1.08	28.4	3.7	13	7.05	1.79	25.4	7.1
Manual-New Methylen Blue Stain	33	4.33	1.57	36.2	4.4	33	8.38	2.92	34.8	9.2

HEMATOLOGY W/ 5-PART DIFFERENTIAL–WHITE BLOOD CELL COUNT (x 10⁹/L)

<i><u>Instruments</u></i>	Specimen BCX-6					Specimen BCX-7				
	<i><u>Labs</u></i>	<i><u>Mean</u></i>	<i><u>SD</u></i>	<i><u>CV</u></i>	<i><u>Median</u></i>	<i><u>Labs</u></i>	<i><u>Mean</u></i>	<i><u>SD</u></i>	<i><u>CV</u></i>	<i><u>Median</u></i>
All ABX Instruments	23	6.67	0.25	3.7	6.7	22	2.48	0.10	3.9	2.5
All COULTER Instruments	35	6.57	0.19	2.9	6.6	35	2.46	0.09	3.6	2.5
All Method	58	6.61	0.22	3.3	6.6	57	2.47	0.09	3.7	2.5
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	16	6.59	0.17	2.5	6.6	16	2.46	0.09	3.6	2.5
COULTER AcT 5diff (1.9 and below)	15	6.56	0.20	3.1	6.6	15	2.47	0.09	3.6	2.5
COULTER AcT 5diff (version 2.01)	20	6.58	0.19	2.8	6.6	20	2.45	0.09	3.6	2.4

<i><u>Instruments</u></i>	Specimen BCX-8					Specimen BCX-9				
	<i><u>Labs</u></i>	<i><u>Mean</u></i>	<i><u>SD</u></i>	<i><u>CV</u></i>	<i><u>Median</u></i>	<i><u>Labs</u></i>	<i><u>Mean</u></i>	<i><u>SD</u></i>	<i><u>CV</u></i>	<i><u>Median</u></i>
All ABX Instruments	23	15.46	0.25	1.6	15.5	23	6.71	0.19	2.8	6.7
All COULTER Instruments	35	15.33	0.45	2.9	15.3	34	6.58	0.25	3.9	6.6
All Method	58	15.38	0.39	2.5	15.4	57	6.64	0.24	3.6	6.7
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	16	15.45	0.25	1.6	15.5	16	6.65	0.15	2.3	6.7
COULTER AcT 5diff (1.9 and below)	15	15.29	0.36	2.4	15.2	14	6.58	0.25	3.8	6.6
COULTER AcT 5diff (version 2.01)	20	15.36	0.51	3.3	15.3	20	6.58	0.26	4.0	6.6

<i><u>Instruments</u></i>	Specimen BCX-10				
	<i><u>Labs</u></i>	<i><u>Mean</u></i>	<i><u>SD</u></i>	<i><u>CV</u></i>	<i><u>Median</u></i>
All ABX Instruments	23	15.43	0.25	1.6	15.4
All COULTER Instruments	34	15.40	0.38	2.4	15.4
All Method	57	15.41	0.33	2.1	15.4
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	16	15.41	0.26	1.7	15.5
COULTER AcT 5diff (1.9 and below)	15	15.35	0.33	2.1	15.4
COULTER AcT 5diff (version 2.01)	20	15.38	0.49	3.2	15.4

HEMATOLOGY W/ 5-PART DIFFERENTIAL-RED BLOOD CELL COUNT (x 10¹²/L)

<u>Instruments</u>	<u>Specimen BCX-6</u>					<u>Specimen BCX-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All ABX Instruments	23	4.196	0.071	1.7	4.19	23	2.642	0.035	1.3	2.64
All COULTER Instruments	35	4.240	0.066	1.5	4.25	35	2.648	0.053	2.0	2.64
All Method	58	4.222	0.070	1.7	4.22	58	2.646	0.047	1.8	2.64
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	16	4.186	0.054	1.3	4.19	16	2.645	0.036	1.4	2.65
COULTER AcT 5diff (1.9 and below)	15	4.223	0.074	1.8	4.25	15	2.612	0.042	1.6	2.60
COULTER AcT 5diff (version 2.01)	20	4.252	0.057	1.3	4.25	20	2.676	0.044	1.6	2.67

<u>Instruments</u>	<u>Specimen BCX-8</u>					<u>Specimen BCX-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All ABX Instruments	23	5.446	0.103	1.9	5.43	22	4.208	0.063	1.5	4.20
All COULTER Instruments	35	5.455	0.071	1.3	5.47	34	4.229	0.066	1.6	4.23
All Method	58	5.452	0.084	1.5	5.46	56	4.221	0.065	1.5	4.22
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	16	5.414	0.055	1.0	5.40	15	4.199	0.059	1.4	4.20
COULTER AcT 5diff (1.9 and below)	15	5.437	0.063	1.2	5.46	15	4.181	0.086	2.1	4.19
COULTER AcT 5diff (version 2.01)	20	5.469	0.074	1.4	5.49	20	4.250	0.063	1.5	4.26

<u>Specimen BCX-10</u>					
<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All ABX Instruments	22	5.434	0.112	2.1	5.39
All COULTER Instruments	35	5.451	0.078	1.4	5.44
All Method	57	5.444	0.092	1.7	5.43
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	16	5.384	0.069	1.3	5.39
COULTER AcT 5diff (1.9 and below)	15	5.435	0.085	1.6	5.44
COULTER AcT 5diff (version 2.01)	20	5.462	0.073	1.3	5.47

HEMATOLOGY W/ 5-PART DIFFERENTIAL-HEMOGLOBIN (g/dL)

<u>Instruments</u>	<u>Specimen BCX-6</u>					<u>Specimen BCX-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All ABX Instruments	23	11.89	0.17	1.4	11.9	23	6.72	0.10	1.5	6.7
All COULTER Instruments	35	11.99	0.15	1.3	12.0	35	6.75	0.09	1.3	6.8
All Method	58	11.95	0.17	1.4	11.9	58	6.74	0.10	1.4	6.7
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	16	11.87	0.14	1.2	11.9	16	6.71	0.08	1.2	6.7
COULTER AcT 5diff (1.9 and below)	15	11.98	0.16	1.3	12.0	15	6.76	0.09	1.3	6.8
COULTER AcT 5diff (version 2.01)	20	12.00	0.15	1.3	12.0	20	6.74	0.09	1.3	6.8

<u>Instruments</u>	<u>Specimen BCX-8</u>					<u>Specimen BCX-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All ABX Instruments	23	17.36	0.22	1.3	17.3	22	11.95	0.16	1.3	11.9
All COULTER Instruments	35	17.48	0.23	1.3	17.5	34	11.97	0.15	1.3	12.0
All Method	58	17.43	0.23	1.3	17.4	56	11.96	0.15	1.3	12.0
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	16	17.34	0.16	0.9	17.3	15	11.93	0.13	1.1	11.9
COULTER AcT 5diff (1.9 and below)	15	17.49	0.24	1.4	17.4	14	11.98	0.12	1.0	12.0
COULTER AcT 5diff (version 2.01)	20	17.47	0.22	1.3	17.5	20	11.97	0.17	1.4	12.0

<u>Specimen BCX-10</u>					
<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All ABX Instruments	23	17.38	0.21	1.2	17.4
All COULTER Instruments	35	17.50	0.23	1.3	17.5
All Method	58	17.46	0.23	1.3	17.4
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	16	17.35	0.18	1.0	17.4
COULTER AcT 5diff (1.9 and below)	15	17.48	0.21	1.2	17.5
COULTER AcT 5diff (version 2.01)	20	17.52	0.25	1.4	17.6

HEMATOLOGY W/ 5-PART DIFFERENTIAL–HEMATOCRIT (percent)

<u>Instruments</u>	<u>Specimen BCX-6</u>					<u>Specimen BCX-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All COULTER Instruments	35	32.55	0.74	2.3	32.6	34	18.59	0.34	1.8	18.6
All ABX Instruments	23	32.60	0.77	2.4	32.5	23	18.64	0.50	2.7	18.5
All Method	58	32.57	0.75	2.3	32.5	58	18.63	0.44	2.4	18.6
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	16	32.41	0.63	1.9	32.4	16	18.49	0.40	2.2	18.4
COULTER AcT 5diff (1.9 and below)	15	32.57	0.63	1.9	32.5	15	18.63	0.29	1.6	18.7
COULTER AcT 5diff (version 2.01)	20	32.53	0.83	2.6	32.7	20	18.63	0.48	2.6	18.6

<u>Instruments</u>	<u>Specimen BCX-8</u>					<u>Specimen BCX-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All COULTER Instruments	33	46.98	0.59	1.3	46.9	34	32.52	0.68	2.1	32.6
All ABX Instruments	23	47.34	1.12	2.4	47.0	22	32.71	0.74	2.3	32.8
All Method	58	47.13	0.96	2.0	47.0	56	32.59	0.71	2.2	32.6
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	16	47.11	0.83	1.8	46.8	15	32.54	0.68	2.1	32.4
COULTER AcT 5diff (1.9 and below)	15	46.78	0.56	1.2	46.7	14	32.39	0.58	1.8	32.4
COULTER AcT 5diff (version 2.01)	20	47.14	0.96	2.0	47.0	20	32.60	0.74	2.3	32.6

<u>Instruments</u>	<u>Specimen BCX-10</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All COULTER Instruments	34	46.91	0.76	1.6	46.8
All ABX Instruments	23	47.23	1.14	2.4	46.9
All Method	58	47.09	1.00	2.1	46.9
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	16	46.86	0.88	1.9	46.9
COULTER AcT 5diff (1.9 and below)	15	46.81	0.77	1.6	46.9
COULTER AcT 5diff (version 2.01)	20	47.14	1.00	2.1	46.8

HEMATOLOGY W/ 5-PART DIFFERENTIAL–PLATELET COUNT (x 10⁹/L)

<u>Instruments</u>	<u>Specimen BCX-6</u>					<u>Specimen BCX-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All ABX Instruments	23	212.8	8.4	4.0	213	23	76.7	5.7	7.4	76
All COULTER Instruments	35	211.6	11.4	5.4	209	35	77.3	4.8	6.2	77
All Method	58	212.1	10.3	4.8	211	58	77.1	5.1	6.6	77
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	16	214.0	8.7	4.1	217	16	78.8	5.4	6.9	77
COULTER AcT 5diff (1.9 and below)	15	211.4	11.9	5.6	208	15	77.5	4.1	5.3	77
COULTER AcT 5diff (version 2.01)	20	211.8	11.3	5.4	210	20	77.1	5.3	6.9	77

<u>Instruments</u>	<u>Specimen BCX-8</u>					<u>Specimen BCX-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All ABX Instruments	23	568.9	21.3	3.7	568	22	213.4	9.4	4.4	217
All COULTER Instruments	35	567.7	19.6	3.5	567	34	212.2	6.9	3.3	212
All Method	58	568.2	20.1	3.5	567	56	212.7	7.9	3.7	213
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	16	570.6	23.0	4.0	568	16	215.4	8.7	4.0	217
COULTER AcT 5diff (1.9 and below)	15	564.6	14.2	2.5	567	14	212.1	7.4	3.5	212
COULTER AcT 5diff (version 2.01)	20	570.0	22.9	4.0	567	20	212.4	6.8	3.2	213

HEMATOLOGY W/ 5-PART DIFFERENTIAL–PLATELET COUNT (x 10⁹/L)

Specimen BCX-10

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All ABX Instruments	23	564.7	20.1	3.6	562
All COULTER Instruments	35	565.7	21.0	3.7	567
All Method	58	565.3	20.5	3.6	566
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	16	567.9	22.3	3.9	568
COULTER AcT 5diff (1.9 and below)	15	562.0	15.7	2.8	563
COULTER AcT 5diff (version 2.01)	20	568.6	24.3	4.3	572

HEMATOLOGY W/ 5-PART DIFFERENTIAL–NEUTROPHILS (percent)

Specimen BCX-6

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All ABX Instruments	20	55.46	2.13	3.8	55.6
All COULTER Instruments	33	57.39	1.78	3.1	57.0
All Method	53	56.67	2.12	3.7	56.7
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	14	56.31	1.49	2.6	56.2
COULTER AcT 5diff (1.9 and below)	15	57.13	1.80	3.1	56.9
COULTER AcT 5diff (version 2.01)	18	57.62	1.78	3.1	57.5

Specimen BCX-7

<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
22	50.40	2.39	4.7	50.0
33	51.95	2.47	4.7	52.7
55	51.33	2.53	4.9	51.4
15	50.95	2.22	4.3	50.7
15	51.98	2.57	4.9	53.2
18	51.93	2.46	4.7	52.7

Specimen BCX-8

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All ABX Instruments	20	64.45	1.58	2.4	64.9
All COULTER Instruments	32	67.02	1.76	2.6	67.6
All Method	53	65.94	2.18	3.3	65.5
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	15	65.12	0.77	1.2	65.0
COULTER AcT 5diff (1.9 and below)	15	65.80	1.46	2.2	65.5
COULTER AcT 5diff (version 2.01)	17	68.10	1.23	1.8	68.1

Specimen BCX-9

<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
21	55.29	1.71	3.1	55.3
32	57.08	1.94	3.4	57.1
53	56.37	2.04	3.6	56.4
15	55.78	1.48	2.7	55.6
15	57.26	2.75	4.8	57.1
18	57.28	1.71	3.0	57.5

Specimen BCX-10

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All ABX Instruments	21	63.95	2.12	3.3	64.6
All COULTER Instruments	32	66.55	1.64	2.5	67.0
All Method	54	65.46	2.25	3.4	65.6
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	15	64.95	1.14	1.8	64.8
COULTER AcT 5diff (1.9 and below)	15	65.27	1.47	2.2	65.0
COULTER AcT 5diff (version 2.01)	17	67.68	0.64	0.9	67.6

HEMATOLOGY W/ 5-PART DIFFERENTIAL–LYMPHOCYTES (percent)

Specimen BCX-6

<u>Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All ABX Instruments	22	26.05	1.81	7.0	26.2
All COULTER Instruments	33	27.78	1.38	5.0	27.8
All Method	55	27.09	1.77	6.5	27.0
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	15	25.75	1.25	4.8	25.8
COULTER AcT 5diff (1.9 and below)	15	27.75	1.54	5.6	27.6
COULTER AcT 5diff (version 2.01)	18	27.82	1.27	4.6	27.8

Specimen BCX-7

<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
21	32.31	2.01	6.2	32.4
33	33.81	2.12	6.3	33.8
54	33.23	2.19	6.6	33.2
15	32.21	2.16	6.7	32.9
15	33.81	1.85	5.5	33.6
18	33.81	2.37	7.0	34.5

HEMATOLOGY W/ 5-PART DIFFERENTIAL–LYMPHOCYTES (percent)

<u>Instruments</u>	<u>Specimen BCX-8</u>					<u>Specimen BCX-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All ABX Instruments	22	16.23	1.29	7.9	15.7	22	25.42	1.36	5.3	25.7
All COULTER Instruments	32	17.96	1.45	8.1	17.8	32	27.46	1.43	5.2	27.1
All Method	54	17.26	1.62	9.4	17.2	55	26.52	1.86	7.0	26.3
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	15	15.59	0.62	4.0	15.7	15	25.27	1.32	5.2	25.6
COULTER AcT 5diff (1.9 and below)	15	19.10	1.21	6.3	19.0	15	27.04	2.17	8.0	27.0
COULTER AcT 5diff (version 2.01)	17	16.96	0.70	4.1	17.1	18	27.44	1.47	5.3	27.5

Specimen BCX-10

All ABX Instruments	22	16.33	1.35	8.3	16.2
All COULTER Instruments	32	18.30	1.67	9.1	18.0
All Method	55	17.60	1.96	11.1	17.4
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	15	15.81	0.72	4.5	15.9
COULTER AcT 5diff (1.9 and below)	15	19.49	1.54	7.9	19.6
COULTER AcT 5diff (version 2.01)	17	17.25	0.90	5.2	17.5

HEMATOLOGY W/ 5-PART DIFFERENTIAL–MONOCYTES (percent)

<u>Instruments</u>	<u>Specimen BCX-6</u>					<u>Specimen BCX-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All ABX Instruments	20	8.76	1.21	13.9	9.0	22	13.54	2.42	17.9	13.3
All COULTER Instruments	33	8.87	1.79	20.2	8.6	32	13.51	2.48	18.4	14.0
All Method	54	8.92	1.72	19.2	8.9	54	13.52	2.43	18.0	13.5
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	15	8.52	1.03	12.1	8.9	15	12.63	1.93	15.3	12.7
COULTER AcT 5diff (1.9 and below)	15	9.25	1.94	21.0	9.5	15	13.09	2.60	19.8	12.8
COULTER AcT 5diff (version 2.01)	18	8.56	1.65	19.2	8.5	17	13.87	2.39	17.2	14.3

Specimen BCX-8

All ABX Instruments	19	5.28	0.75	14.1	5.2	21	9.87	1.49	15.1	9.9
All COULTER Instruments	33	5.21	0.83	15.9	5.1	33	9.65	1.70	17.6	9.6
All Method	53	5.30	0.91	17.2	5.2	54	9.74	1.61	16.5	9.8
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	15	5.09	0.58	11.4	5.0	15	9.39	1.18	12.5	9.7
COULTER AcT 5diff (1.9 and below)	15	5.34	0.83	15.5	5.3	15	9.97	1.81	18.2	9.6
COULTER AcT 5diff (version 2.01)	18	5.10	0.83	16.4	5.0	18	9.39	1.60	17.0	9.6

Specimen BCX-9

<u>Specimen BCX-10</u>					
All ABX Instruments	21	5.80	1.23	21.2	5.5
All COULTER Instruments	33	5.34	0.84	15.7	5.3
All Method	54	5.51	1.02	18.5	5.4
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	15	5.21	0.66	12.7	5.3
COULTER AcT 5diff (1.9 and below)	15	5.58	0.86	15.4	5.4
COULTER AcT 5diff (version 2.01)	18	5.13	0.78	15.2	5.2

HEMATOLOGY W/ 5-PART DIFFERENTIAL–BASOPHILS (percent)

<u><i>Instruments</i></u>	Specimen BCX-6					Specimen BCX-7				
	<u><i>Labs</i></u>	<u><i>Mean</i></u>	<u><i>SD</i></u>	<u><i>CV</i></u>	<u><i>Median</i></u>	<u><i>Labs</i></u>	<u><i>Mean</i></u>	<u><i>SD</i></u>	<u><i>CV</i></u>	<u><i>Median</i></u>
All ABX Instruments	22	3.37	0.40	11.9	3.4	20	3.28	0.08	2.5	3.3
All COULTER Instruments	17	68.86	2.78	4.0	68.1	17	65.32	1.29	2.0	65.7
All Method	39	31.92	32.95	103.2	3.7	39	30.29	31.21	103.0	3.4
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	15	3.45	0.14	4.1	3.4	15	3.31	0.06	1.8	3.3
COULTER AcT 5diff (1.9 and below)	8	68.74	2.64	3.8	68.1	8	64.89	1.28	2.0	65.4
COULTER AcT 5diff (version 2.01)	9	68.98	3.06	4.4	68.5	9	65.71	1.24	1.9	65.7
	Specimen BCX-8					Specimen BCX-9				
All ABX Instruments	22	3.68	0.42	11.3	3.7	20	3.40	0.14	4.0	3.4
All COULTER Instruments	17	77.22	6.27	8.1	73.2	17	68.19	2.46	3.6	67.5
All Method	39	35.74	37.17	104.0	4.1	39	31.58	32.64	103.4	3.5
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	15	3.77	0.23	6.0	3.8	15	3.39	0.10	2.9	3.4
COULTER AcT 5diff (1.9 and below)	8	78.98	6.61	8.4	83.9	8	68.65	3.06	4.5	69.3
COULTER AcT 5diff (version 2.01)	9	75.67	5.88	7.8	72.6	9	67.78	1.87	2.8	67.5
	Specimen BCX-10									
All ABX Instruments	21	3.70	0.28	7.6	3.6					
All COULTER Instruments	17	76.82	5.83	7.6	78.3					
All Method	39	35.54	36.96	104.0	4.1					
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	15	3.71	0.22	6.0	3.6					
COULTER AcT 5diff (1.9 and below)	8	77.32	6.14	7.9	78.7					
COULTER AcT 5diff (version 2.01)	9	76.37	5.87	7.7	78.3					

BLOOD CELL CASE HISTORY, 2006-M2

An 18-year-old black male college student presented to the campus student health center following winter break. He had been experiencing shortness of breath and severe pain since moving into a new apartment a few days before. The physician ordered a series of laboratory tests, including a CBC. Significant results are shown below.

Test	RB's Results	Normal Range
WBC	17.0 x 10 ⁹ /L	5-10 x 10 ⁹ /L
RBC	2.25 x 10 ¹² /L	4.6-6.1 x 10 ¹² /L
Hgb	7.0 g/dL	14-18 g/dL
Plt	408 x 10 ⁹ /L	150-400 x 10 ⁹ /L
RDW	19.4 %	11-14.5 %
Reticulocyte Count	21 %	0.5-1.6 %

Automated differential flags: immature cells, RBC morphology.

This patient was diagnosed with sickle cell anemia.

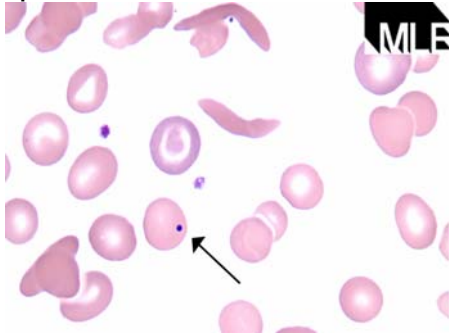
References:

E. Anne Steine-Martin et al, *Clinical Hematology: Principles, Procedures, Correlations*, Lippincott, Philadelphia, PA, 1992.
Harrison's Principles of Internal Medicine, New York, NY, McGraw-Hill, 1998

Handin, Robert I, Disorders Of The Platelet And Vessel Wall, *Harrison's Principles of Internal Medicine*, New York, NY, McGraw-Hill, 1998.

BLOOD CELL IDENTIFICATION

Specimen BC-7



Identification
 Howell-Jolly body
 Heinz body

Labs

415
 8

Percent

97.42%
 1.88%

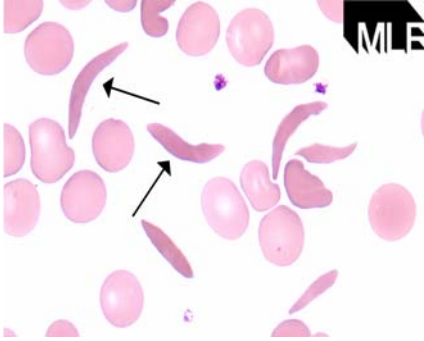
Performance

Acceptable

The arrow in this photograph points to a red blood cell with a Howell-Jolly body. Howell-Jolly bodies are very small, round, dense, blue inclusion bodies made of nuclear debris. They are common in hemolytic and pernicious anemias, and frequently found after splenectomy. Heinz bodies are also associated with hemoglobinopathies, but are irregularly shaped, and not visible in Wright's stained preparations.

BLOOD CELL IDENTIFICATION

Specimen BC-8



Identification
Sickle cell

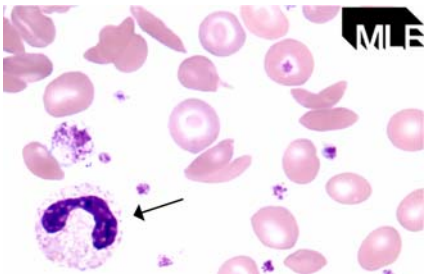
Labs
423

Percent
99.30%

Performance
Acceptable

The arrows in this photograph point to sickle cells, also known as drepanocytes. When blood becomes deoxygenated, erythrocytes containing hemoglobin S can become rigid, distorted and viscous. These cells can cause painful blockage of capillaries and tissue damage. These recurrent painful episodes are referred to as *crises*. They can be triggered by exposure to cold temperatures, exertion and dehydration.

Specimen BC-9



Identification
Segmented or band neutrophil
Seg/band neut. With toxic gran

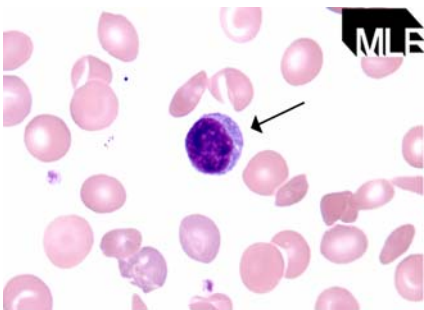
Labs
407
15

Percent
95.54%
3.52%

Performance
Acceptable

The arrow in this photograph points to a band neutrophil/granulocyte, sometimes referred to as a stab. The nucleus is indented greater than 50% of its width, resulting in a C- or horseshoe-shaped nucleus with visible chromatin between the parallel sides. This cell does not display toxic granulation, which is the presence of dark purple or black granules in the cytoplasm. For a photo of toxic granulation, see 2005 M1 Specimen BC-1.

Specimen BC-10



Identification
Lymphocyte
Lymphocyte, reactive

Labs
418
6

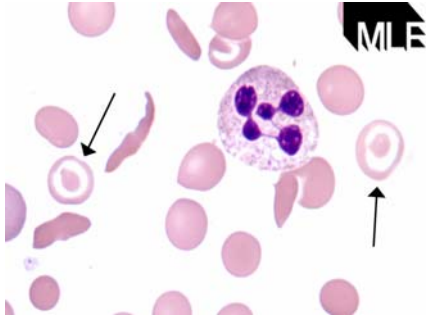
Percent
98.12%
1.41%

Performance
Acceptable

The arrow in this photograph points to a normal lymphocyte. Its nucleus is round, approximately the same size as a normal red blood cell, typically eccentric (off-center) and contains dense, coarse, clumped chromatin. The cytoplasm is small and pale blue. The nucleus takes up a much larger portion of the cell than the cytoplasm (high N:C ratio). For a photo of a reactive lymphocyte, see 2004 M2, Specimen BC-6.

BLOOD CELL IDENTIFICATION

Specimen BC-11



Identification
Target cell

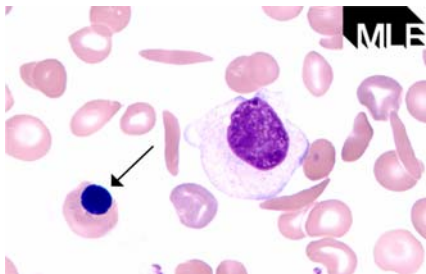
Labs
425

Percent
99.77%

Performance
Acceptable

The arrows in this photograph point to target cells, also known as codocytes. These cells have a dark center and periphery with a clear ring in between. They are characteristically seen in hemoglobinopathies, iron deficiency, liver disease and thalassemia.

Specimen BC-12



Identification
Nucleated red cell

Labs
418

Percent
98.35%

Performance
Acceptable

The arrow in this ungraded educational challenge points to a nucleated red blood cell (NRBC). These cells are rarely seen in the peripheral blood of healthy adults. Their appearance is a result of the bone marrow's response to severe anemia, releasing the needed RBCs into circulation before they are fully mature. Mature RBCs eject their nuclei before entering the peripheral blood stream.

References:

O'Connor, B. H.: *A Color Atlas and Instruction Manual of Peripheral Blood Cell Morphology*. Williams & Wilkins, Baltimore MD, 1984.

Reich, P. R.: *Manual of Hematology*. Upjohn, Kalamazoo MI, 1976.

Rodak, B. F.: *Hematology: Clinical Principles and Applications*. 2nd ed. W. B. Saunders, Philadelphia, 2002.

Miale, J. B.: *Laboratory Medicine: Hematology*. C.V. Mosby, St. Louis, 1972

BLOOD BANK

ABO GROUP

<u>Specimen</u>	<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
BB-6	Group B	21	100%	Acceptable
BB-7	Group A	21	100%	Acceptable
BB-8	Group A	20	100%	Acceptable
BB-9	Group A	21	100%	Acceptable
BB-10	Group O	20	100%	Acceptable

RH FACTOR (D TYPE)

<u>Specimen</u>	<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
BB-6	Rh Positive	32	100%	Acceptable
BB-7	Rh Positive	32	100%	Acceptable
BB-8	Rh Positive	32	100%	Acceptable
BB-9	Rh Negative	32	100%	Acceptable
BB-10	Rh Negative	32	100%	Acceptable

UNEXPECTED ANTIBODY DETECTION

<u>Specimen</u>	<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
AB-6	Unexpected antibody detected	20	100%	Acceptable
AB-7	Unexpected antibody detected	20	100%	Acceptable
AB-8	Unexpected antibody detected	20	100%	Acceptable
AB-9	No unexpected antibody	20	100%	Acceptable
AB-10	No unexpected antibody	20	100%	Acceptable

ANTIBODY IDENTIFICATION

<u>Specimen</u>	<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
AB-6	Anti-E, Anti-c	2	100%	Acceptable
AB-7	Anti-D	2	100%	Acceptable
AB-8	Anti-K	2	100%	Acceptable
AB-9	No antibody detected	3	100%	Acceptable
AB-10	No antibody detected	3	100%	Acceptable

COMPATIBILITY TESTING

<u>Specimen</u>	<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
AB-6	Not Compatible	15	93.75%	Not graded
AB-7	Compatible	16	100%	Acceptable
AB-8	Not Compatible	16	100%	Acceptable
AB-9	Not Compatible	16	100%	Acceptable
AB-10	Compatible	16	100%	Acceptable

Specimen AB-6 is an ungraded challenge due to less than 100% referee consensus.

PROTHROMBIN TIME (seconds)

Specimen CG-10

<u>Reagent/Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	147	11.68	0.88	7.6	11.8
bioMerieux Simplastin Excel					
OTC Coag-A-Mate XM	22	11.75	0.49	4.2	11.8
All Coagulation Instruments Method	31	11.76	0.49	4.2	11.8
Dade Innovin					
OTC Coag-A-Mate XM	5	10.10	0.26	2.5	10.0
Sysmex CA-500	12	10.48	0.20	1.9	10.5
All Coagulation Instruments Method	23	10.32	0.50	4.8	10.4
Dade Thrombo-C Plus					
All Coagulation Instruments Method	17	11.62	0.55	4.7	11.5
Helena Thromboplastin MI					
Helena Cascade M / M4	5	13.18	0.34	2.6	13.3
All Coagulation Instruments Method	6	13.45	0.73	5.4	13.3
IL TEST PT Fibrinogen					
IL ACL, all models	28	11.91	0.36	3.0	11.9
PH/CMS Thromboplastin-D					
All Coagulation Instruments Method	9	11.90	0.84	7.0	11.8
Sigma ThromboMAX w/Calcium					
Sigma (Amelung) KC1A	5	12.32	0.61	4.9	12.3
All Coagulation Instruments Method	10	12.47	0.53	4.3	12.5

PROTHROMBIN TIME-INTERNATIONAL NORMALIZED RATIO (INR)

Specimen CG-6

Specimen CG-7

<u>Reagent/Instruments</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	148	1.50	0.17	11.5	1.5	147	3.06	0.45	14.7	3.0
bioMerieux Simplastin Excel										
OTC Coag-A-Mate XM	21	1.64	0.12	7.6	1.6	22	3.48	0.47	13.5	3.4
All Coagulation Instruments Method	31	1.63	0.19	11.6	1.6	31	3.39	0.48	14.2	3.4
Dade Innovin										
OTC Coag-A-Mate XM	4	-	-	-	1.3	5	2.80	0.23	8.4	2.9
Sysmex CA-500	12	1.32	0.06	4.4	1.3	12	2.70	0.18	6.5	2.8
All Coagulation Instruments Method	23	1.32	0.06	4.5	1.3	24	2.72	0.20	7.4	2.8
Dade Thrombo-C Plus										
All Coagulation Instruments Method	17	1.49	0.17	11.7	1.5	17	2.96	0.41	13.9	2.8
Helena Thromboplastin MI										
Helena Cascade M / M4	5	1.42	0.08	5.9	1.4	5	2.96	0.57	19.3	3.0
All Coagulation Instruments Method	6	1.42	0.08	5.3	1.4	6	2.97	0.51	17.3	3.0
IL TEST PT Fibrinogen										
IL ACL, all models	29	1.60	0.09	5.7	1.6	28	3.20	0.23	7.0	3.2
PH/CMS Thromboplastin-D										
All Coagulation Instruments Method	9	1.54	0.18	11.7	1.6	9	3.26	0.58	17.7	3.2
Sigma ThromboMAX w/Calcium										
Sigma (Amelung) KC1A	5	1.36	0.11	8.4	1.4	5	2.94	0.29	9.8	3.0
All Coagulation Instruments Method	10	1.45	0.14	9.9	1.5	10	2.74	0.54	19.7	2.9

PROTHROMBIN TIME–INTERNATIONAL NORMALIZED RATIO (INR)

<u>Reagent/Instruments</u>	Specimen CG-8					Specimen CG-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	139	1.02	0.08	7.9	1.0	149	5.34	1.30	24.4	5.1
bioMerieux Simplastin Excel										
OTC Coag-A-Mate XM	22	0.96	0.09	8.9	1.0	22	6.78	1.35	20.0	6.7
All Coagulation Instruments Method	31	0.96	0.08	8.0	1.0	31	6.48	1.35	20.9	6.3
Dade Innovin										
OTC Coag-A-Mate XM	1	-	-	-	1.1	5	4.24	0.43	10.1	4.4
Sysmex CA-500	12	1.06	0.05	4.9	1.1	12	4.11	0.33	8.1	4.2
All Coagulation Instruments Method	19	1.07	0.06	5.5	1.1	24	4.15	0.33	7.9	4.2
Dade Thrombo-C Plus										
All Coagulation Instruments Method	16	0.98	0.05	5.6	1.0	17	5.33	1.03	19.4	4.9
Helena Thromboplastin MI										
Helena Cascade M / M4	5	1.06	0.05	5.2	1.1	5	4.88	1.11	22.8	5.3
All Coagulation Instruments Method	6	1.07	0.05	4.9	1.1	6	4.95	1.01	20.4	5.3
IL TEST PT Fibrinogen										
IL ACL, all models	28	1.02	0.06	5.7	1.0	29	5.37	0.69	12.9	5.1
PH/CMS Thromboplastin-D										
All Coagulation Instruments Method	9	1.09	0.15	14.1	1.0	9	6.24	1.88	30.2	5.8
Sigma ThromboMAX w/Calcium										
Sigma (Amelung) KC1A	5	1.24	0.37	30.0	1.1	5	5.36	0.65	12.2	5.5
All Coagulation Instruments Method	10	1.22	0.31	25.6	1.1	10	5.33	1.15	21.5	5.5

Specimen CG-10

All Method	146	1.01	0.09	8.8	1.0
bioMerieux Simplastin Excel					
OTC Coag-A-Mate XM	22	0.98	0.09	9.2	1.0
All Coagulation Instruments Method	31	0.99	0.09	9.0	1.0
Dade Innovin					
OTC Coag-A-Mate XM	5	1.02	0.04	4.4	1.0
Sysmex CA-500	12	1.04	0.05	5.0	1.0
All Coagulation Instruments Method	24	1.04	0.05	4.7	1.0
Dade Thrombo-C Plus					
All Coagulation Instruments Method	17	0.94	0.08	8.4	0.9
Helena Thromboplastin MI					
Helena Cascade M / M4	5	1.08	0.04	4.1	1.1
All Coagulation Instruments Method	6	1.10	0.06	5.7	1.1
IL TEST PT Fibrinogen					
IL ACL, all models	28	1.00	0.08	8.2	1.0
PH/CMS Thromboplastin-D					
All Coagulation Instruments Method	9	1.06	0.16	15.1	1.0
Sigma ThromboMAX w/Calcium					
Sigma (Amelung) KC1A	5	1.00	0.07	7.1	1.0
All Coagulation Instruments Method	10	1.06	0.11	10.2	1.0

ACTIVATED PARTIAL THROMBOPLASTIN (seconds)

<u>Reagent/Instruments</u>	Specimen CG-6					Specimen CG-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	49	50.3	7.4	14.7	52	48	52.7	8.2	15.6	50
bioMerieux Platelin L										
OTC Coag-A-Mate XM	5	46.0	5.3	11.6	47	5	46.0	6.0	13.1	48
All Coagulation Instruments Method	6	47.2	5.6	11.8	50	6	46.8	5.8	12.3	50
Dade Actin FSL										
Sysmex CA-500	7	48.4	3.0	6.2	48	7	51.6	1.5	2.9	52
All Coagulation Instruments Method	9	47.0	5.9	12.6	48	8	53.6	6.0	11.1	52
IL TEST APTT-SP										
IL ACL, all models	21	53.7	2.0	3.7	53	21	48.9	1.2	2.4	49
	Specimen CG-8					Specimen CG-9				
All Method	44	27.1	1.7	6.4	27	44	71.4	6.7	9.3	70
bioMerieux Platelin L										
OTC Coag-A-Mate XM	5	23.2	2.2	9.3	24	5	65.2	8.6	13.2	68
All Coagulation Instruments Method	6	23.3	2.0	8.4	24	6	66.7	8.5	12.7	70
Dade Actin FSL										
Sysmex CA-500	7	26.0	0.6	2.2	26	7	74.6	3.4	4.5	74
All Coagulation Instruments Method	9	26.2	0.7	2.5	26	7	74.6	3.4	4.5	74
IL TEST APTT-SP										
IL ACL, all models	21	27.8	1.1	4.1	28	21	68.6	2.7	4.0	69
	Specimen CG-10									
All Method	49	31.4	3.2	10.2	33					
bioMerieux Platelin L										
OTC Coag-A-Mate XM	5	26.0	2.7	10.5	26					
All Coagulation Instruments Method	6	26.5	2.7	10.3	28					
Dade Actin FSL										
Sysmex CA-500	7	28.4	0.8	2.8	29					
All Coagulation Instruments Method	9	28.3	0.9	3.1	29					
IL TEST APTT-SP										
IL ACL, all models	21	33.2	1.1	3.4	34					

FIBRINOGEN (mg/dL)

The vendor assays for specimens CG-6 through CG-10 are: 185 mg/dL, 335 mg/dL, 450 mg/dL, 304 mg/dL, and 200 mg/dL respectively.

COAGUCHEK PROTHROMBIN TIME (seconds)

<u>Instruments</u>	Specimen WPT-6					Specimen WPT-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Roche CoaguCheck Instruments	28	20.58	0.95	4.6	20.7	29	15.40	0.78	5.1	15.4
All Roche CoaguCheck S Instruments	287	22.54	1.54	6.8	22.4	289	16.08	0.73	4.5	16.1
All Method	327	22.47	1.81	8.1	22.2	327	16.02	0.84	5.2	16.1
Roche CoaguChek	23	20.69	1.25	6.1	20.7	23	15.45	0.76	4.9	15.4
Roche CoaguChek - moderate	6	20.78	0.87	4.2	20.7	6	15.22	0.91	6.0	15.4
Roche CoaguChek S	200	22.77	1.96	8.6	22.5	195	16.10	0.82	5.1	16.1
Roche CoaguChek S - moderate	98	22.44	1.63	7.3	22.3	98	16.05	0.73	4.5	16.0

<u>Instruments</u>	Specimen WPT-8					Specimen WPT-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Roche CoaguCheck Instruments	7	20.77	1.42	6.8	20.6	7	20.16	2.17	10.8	19.4
All Roche CoaguCheck S Instruments	139	23.28	1.34	5.7	23.1	140	22.39	1.50	6.7	22.3
All Method	152	23.23	1.58	6.8	23.1	150	22.32	1.62	7.3	22.3
Roche CoaguChek S	62	23.80	1.98	8.3	23.7	61	22.59	1.92	8.5	22.4
Roche CoaguChek S - moderate	81	23.14	1.16	5.0	23.1	80	22.31	1.27	5.7	22.2

<u>Instruments</u>	Specimen WPT-10				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Roche CoaguCheck Instruments	7	14.27	0.35	2.5	14.4
All Roche CoaguCheck S Instruments	139	15.97	0.62	3.9	16.0
All Method	154	15.96	0.85	5.3	16.0
Roche CoaguChek S	62	16.05	0.79	4.9	16.1
Roche CoaguChek S - moderate	80	15.99	0.63	3.9	16.0

COAGUCHEK PROTHROMBIN TIME-INTERNATIONAL NORMALIZED RATIO (INR)

<u>Instruments</u>	Specimen WPT-6					Specimen WPT-7				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	349	3.46	0.61	17.7	3.4	342	1.69	0.19	11.3	1.7
Roche CoaguChek	28	2.85	0.49	17.2	3.0	26	1.57	0.22	13.9	1.6
Roche CoaguChek - moderate	7	3.03	0.29	9.5	3.0	7	1.53	0.18	11.8	1.5
Roche CoaguChek S	212	3.55	0.62	17.5	3.5	207	1.72	0.21	12.0	1.7
Roche CoaguChek S - moderate	99	3.48	0.52	14.9	3.4	100	1.70	0.17	9.8	1.7

<u>Instruments</u>	Specimen WPT-8					Specimen WPT-9				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	152	3.71	0.50	13.4	3.7	153	3.44	0.57	16.5	3.4
Roche CoaguChek S	62	3.86	0.72	18.6	3.8	62	3.44	0.71	20.6	3.4
Roche CoaguChek S - moderate	82	3.66	0.37	10.2	3.7	80	3.42	0.39	11.4	3.4

<u>Instruments</u>	Specimen WPT-10				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	154	1.69	0.18	10.5	1.7
Roche CoaguChek S	63	1.74	0.27	15.3	1.7
Roche CoaguChek S - moderate	80	1.70	0.13	7.9	1.7

i-Stat PROTHROMBIN TIME (seconds)

Two participants reported results for these challenges. The vendor assay values for PTI-6 through PTI-10 are: 29.1, 12.1, 12.1, 29.1, 29.1 seconds, respectively.

i-Stat PROTHROMBIN TIME - INTERNATIONAL NORMALIZED RATIO (INR)

<u>Instruments</u>	<u>Specimen PTI-6</u>					<u>Specimen PTI-7</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
i-Stat Prothrombin Time	7	2.54	0.17	6.8	2.5	7	1.11	0.04	3.4	1.1
<u>Instruments</u>	<u>Specimen PTI-8</u>					<u>Specimen PTI-9</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
i-Stat Prothrombin Time	7	1.13	0.05	4.3	1.1	7	2.59	0.26	10.1	2.5
<u>Instruments</u>	<u>Specimen PTI-10</u>									
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>					
i-Stat Prothrombin Time	7	2.56	0.23	9.0	2.5					

ITC PROTINE MICROCOAGULATION SYSTEM PROTHROMBIN TIME (seconds)

<u>Instruments</u>	<u>Specimen IT-3</u>					<u>Specimen IT-4</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	17	16.24	4.34	26.7	15.7	22	30.20	4.84	16.0	31.3
ITC ProTime System - 3 Channel	8	18.30	4.72	25.8	17.0	10	32.14	4.88	15.2	33.9
ITC ProTime System - 5 Channel	9	14.41	3.20	22.2	13.5	12	28.58	4.35	15.2	30.0

ITC PROTINE MICROCOAGULATION SYSTEM –INTERNATIONAL NORMALIZED RATIO (INR)

<u>Instruments</u>	<u>Specimen IT-3</u>					<u>Specimen IT-4</u>				
	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Methods	19	1.34	0.44	32.7	1.3	22	2.36	0.26	11.2	2.4
ITC ProTime System - 3 Channel	8	1.48	0.32	21.7	1.4	10	2.60	0.49	18.8	2.6
ITC ProTime System - 5 Channel	11	1.25	0.50	40.2	1.1	13	2.28	0.25	11.0	2.3

MICROALBUMIN, DIPSTICK

Specimen UM-2

Participant Results

<u>Method</u>	<u>Labs</u>	<u>Negative</u>	<u>10 mg/L(Pos)</u>	<u>20/30 mg/L</u>	<u>50 mg/L (+)</u>	<u>80 mg/L</u>	<u>100 mg/L (++)</u>	<u>150 mg/L</u>
ALL METHODS	74	-	1	-	3	8	13	49
Roche (BMC) Micral - 1 minute	15	-	-	-	2	-	13	-
Micro-Bumintest	1	-	-	-	1	-	-	-
Bayer Clinitek Microalbumin	57	-	-	-	-	8	-	49
Beckman Coulter ICON mircoALB	1	-	1	-	-	-	-	-

CREATININE, DIPSTICK

Specimen UM-2

Participant Results

<u>Method</u>	<u>Labs</u>	<u>Negative</u>	<u>10 mg/dL</u>	<u>30 mg/dL</u>	<u>50 mg/dL</u>	<u>100 mg/dL</u>	<u>200 mg/dL</u>	<u>300 mg/dL</u>
ALL METHODS	57	-	-	-	-	-	8	49
Bayer Multistix Pro	56	-	-	-	-	-	8	48
Bayer Clinitek Microalbumin	1	-	-	-	-	-	-	1

MICROALBUMIN, QUANTITATIVE

Specimen UM-2

<u>Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	90	161.8	9.7	6.0	161
Bayer DCA 2000(+)	56	162.9	7.7	4.7	161
Beckman Synchron	6	164.5	6.3	3.8	167
Dade Dimension/AR/ES/RxL/Xpand	11	160.6	12.4	7.7	159

CREATININE, URINE (mg/dL)

Specimen UM-2

<u>Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	79	223.6	10.7	4.8	224
Bayer DCA 2000(+)	53	225.2	6.5	2.9	225
Beckman Synchron	8	227.0	9.0	3.9	228
Dade Dimension/AR/ES/RxL/Xpand	7	201.4	26.9	13.4	204

CREATININE, URINE (mmol/L)

Three participants reported urine creatinine results in mmol/L. The vendor assay for specimen UM-2 is 20.3 mmol/L.

URINALYSIS DIPSTICK–SPECIFIC GRAVITY

Specimen UA-2

<u>Method</u>	<u>Labs</u>	<u>Mean</u>	<u>SD</u>	<u>CV</u>	<u>Median</u>
All Method	1247	1.0149	0.0000	0.0	1.015
Bayer Clinitek 10 / 100	96	1.0203	0.0000	0.0	1.020
Bayer Clinitek 50	303	1.0158	0.0000	0.0	1.015
Bayer Clinitek 500	34	1.0181	0.0000	0.0	1.020
Bayer Clinitek Status	85	1.0201	0.0000	0.0	1.020
Bayer Reagent Strips	456	1.0126	0.0000	0.0	1.010
Hypoguard DiaScreen	11	1.0164	0.0000	0.0	1.015
Quidel QuickVue UrinChek	6	1.0108	0.0000	0.0	1.015
Refractometer	18	1.0169	0.0000	0.0	1.017
Roche (BMC) Chemstrips	108	1.0104	0.0000	0.0	1.010
Roche (BMC) Criterion Analyzer	22	1.0123	0.0000	0.0	1.010
Roche Chemstrip 101	28	1.0111	0.0000	0.0	1.010
Roche Urisys	15	1.0117	0.0000	0.0	1.010
Schein Urispec	6	1.0108	0.0000	0.0	1.010
Thermo BioStar PocketChem UA	27	1.0283	0.0000	0.0	1.030
UriScan Reagent Strips	5	1.0180	0.0000	0.0	1.020

URINALYSIS DIPSTICK-pH

Specimen UA-2

Participant Results

<u>Method</u>	<u>Labs</u>	<u>3.5 or less</u>	<u>4.0</u>	<u>4.5</u>	<u>5.0</u>	<u>5.5</u>	<u>6.0</u>	<u>6.5</u>	<u>7.0</u>	<u>7.5</u>	<u>8.0</u>	<u>8.5</u>	<u>9.0</u>
ALL METHODS	1303	-	1	-	2	-	11	10	305	945	28	1	-
Bayer Bili-Labstix	1	-	-	-	-	-	-	-	-	1	-	-	-
Bayer Clinitek 10 / 100	97	-	-	-	-	-	-	-	2	95	-	-	-
Bayer Clinitek 200/200+	3	-	-	-	-	-	-	-	-	3	-	-	-
Bayer Clinitek 50	309	-	-	-	-	-	-	-	35	274	-	-	-
Bayer Clinitek 500	34	-	-	-	-	-	-	-	2	32	-	-	-
Bayer Clinitek Atlas	2	-	-	-	-	-	-	-	-	2	-	-	-
Bayer Clinitek Status	87	-	-	-	-	-	-	-	8	79	-	-	-
Bayer Hemacombistix	2	-	-	-	-	-	-	-	1	1	-	-	-
Bayer Reagent Strips	484	-	1	-	2	-	8	8	30	416	18	1	-
Behring Reagent Strips	1	-	-	-	-	-	-	-	-	1	-	-	-
Hypoguard DiaScreen	11	-	-	-	-	-	-	-	11	-	-	-	-
Penny Saver Reagent Strips	2	-	-	-	-	-	-	-	2	-	-	-	-
pH Paper	1	-	-	-	-	-	-	-	-	1	-	-	-
PSS Select Reagent Strips	4	-	-	-	-	-	1	-	3	-	-	-	-
Quidel QuickVue UrinChek	6	-	-	-	-	-	-	-	3	-	3	-	-
Roche (BMC) Chemstrips	135	-	-	-	-	-	1	1	102	27	4	-	-
Roche (BMC) Criterion Analyzer	22	-	-	-	-	-	-	-	22	-	-	-	-
Roche (BMC) Mini UA	1	-	-	-	-	-	-	-	1	-	-	-	-
Roche Chemstrip 101	28	-	-	-	-	-	-	-	28	-	-	-	-
Roche Urisys	15	-	-	-	-	-	-	-	15	-	-	-	-
Roche(BMC) SuperUA/ChemstripUA	3	-	-	-	-	-	-	-	3	-	-	-	-
Schein Urispec	6	-	-	-	-	-	-	-	3	1	2	-	-
Thermo BioStar PocketChem UA	25	-	-	-	-	-	-	1	24	-	-	-	-
UriScan Reagent Strips	5	-	-	-	-	-	-	1	-	3	-	1	-

URINALYSIS DIPSTICK-PROTEIN QUALITATIVE

Specimen UA-2

Participant Results

<u>Method</u>	<u>Labs</u>	<u>Negative</u>	<u>Trace</u>	<u>30 mg/dL (1+)</u>	<u>100 mg/dL (2+)</u>	<u>300-500 mg/dL (3+)</u>	<u>≥1000 mg/dL (4+)</u>
ALL METHODS	1319	7	1	18	518	738	37
Bayer Albumstix	1	-	-	-	-	1	-
Bayer Bili-Labstix	1	-	-	-	1	-	-
Bayer Clinitek 10 / 100	96	-	-	-	55	40	1
Bayer Clinitek 200/200+	3	-	-	-	1	2	-
Bayer Clinitek 50	306	1	-	-	4	300	1
Bayer Clinitek 500	33	-	-	-	30	3	-
Bayer Clinitek Atlas	2	-	-	-	1	1	-
Bayer Clinitek Status	87	-	-	-	1	86	-
Bayer Hemacombistix	2	-	-	1	-	1	-
Bayer Reagent Strips	486	3	-	5	187	261	30
Bayer Uristix	5	-	-	-	3	2	-
Behring Reagent Strips	1	-	-	-	-	1	-
Hypoguard DiaScreen	12	-	-	-	9	3	-
Penny Saver Reagent Strips	2	-	-	-	2	-	-
PSS Select Reagent Strips	4	-	-	-	3	-	1
Quidel QuickVue UrinChek	6	-	-	-	4	2	-
Roche (BMC) Chemstrips	143	2	1	3	117	16	4
Roche (BMC) Criterion Analyzer	22	-	-	-	22	-	-
Roche (BMC) Mini UA	1	-	-	-	-	1	-
Roche Chemstrip 101	28	-	-	4	22	2	-
Roche Urisys	15	-	-	3	10	2	-
Roche(BMC) SuperUA/ChemstripUA	3	-	-	-	3	-	-
Schein Urispec	6	-	-	2	3	1	-
Sulfosalicylic Acid	5	-	-	-	3	2	-
Thermo BioStar PocketChem UA	25	-	-	-	24	1	-
UriScan Reagent Strips	6	1	-	-	4	1	-

URINALYSIS DIPSTICK--GLUCOSE OR REDUCING SUBSTANCE

Specimen UA-2

<u>Method</u>	<u>Labs</u>	<u>Negative</u>	<u>50-100 mg/dL (Trace)</u>	<u>Participant Results</u>					
				<u>150 mg/dL</u>	<u>250 mg/dL</u>	<u>500 mg/dL</u>	<u>1000 mg/dL</u>	<u>>1000 mg/dL</u>	<u>≥2000 mg/dL</u>
ALL METHODS	1318	1313	2	-	1	1	1	-	-
Bayer Bili-Labstix	1	1	-	-	-	-	-	-	-
Bayer Clinitek 10 / 100	97	97	-	-	-	-	-	-	-
Bayer Clinitek 200/200+	3	3	-	-	-	-	-	-	-
Bayer Clinitek 50	308	307	1	-	-	-	-	-	-
Bayer Clinitek 500	34	34	-	-	-	-	-	-	-
Bayer Clinitek Atlas	2	2	-	-	-	-	-	-	-
Bayer Clinitek Status	87	87	-	-	-	-	-	-	-
Bayer Hemacombistix	2	2	-	-	-	-	-	-	-
Bayer Reagent Strips	489	487	-	-	1	-	1	-	-
Bayer Uristix	3	3	-	-	-	-	-	-	-
Behring Reagent Strips	1	1	-	-	-	-	-	-	-
Hypoguard DiaScreen	12	12	-	-	-	-	-	-	-
Penny Saver Reagent Strips	2	2	-	-	-	-	-	-	-
PSS Select Reagent Strips	4	4	-	-	-	-	-	-	-
Quidel QuickVue UrinChek	6	6	-	-	-	-	-	-	-
Roche (BMC) Chemstrips	142	140	1	-	-	1	-	-	-
Roche (BMC) Criterion Analyzer	22	22	-	-	-	-	-	-	-
Roche (BMC) Mini UA	1	1	-	-	-	-	-	-	-
Roche Chemstrip 101	28	28	-	-	-	-	-	-	-
Roche Urisys	15	15	-	-	-	-	-	-	-
Roche(BMC) SuperUA/ChemstripUA	4	4	-	-	-	-	-	-	-
Schein Urispec	6	6	-	-	-	-	-	-	-
Thermo BioStar PocketChem UA	25	25	-	-	-	-	-	-	-
UriScan Reagent Strips	6	6	-	-	-	-	-	-	-

URINALYSIS DIPSTICK–KETONES

Specimen UA-2

<u>Method</u>	<u>Labs</u>	<u>Negative</u>	<i>Participant Results</i>			
			<i>Trace (5 mg/dL)</i>	<i>Small (1+, 15 mg/dL)</i>	<i>Moderate (2+, 40 mg/dL)</i>	<i>Large (3+, 80 mg/dL)</i>
ALL METHODS	1303	1296	6	-	-	1
Bayer Bili-Labstix	1	1	-	-	-	-
Bayer Clinitek 10 / 100	97	97	-	-	-	-
Bayer Clinitek 200/200+	3	3	-	-	-	-
Bayer Clinitek 50	309	309	-	-	-	-
Bayer Clinitek 500	34	34	-	-	-	-
Bayer Clinitek Atlas	2	2	-	-	-	-
Bayer Clinitek Status	87	87	-	-	-	-
Bayer Reagent Strips	486	482	3	-	-	1
Bayer Uristix	1	1	-	-	-	-
Behring Reagent Strips	1	1	-	-	-	-
Hypoguard DiaScreen	10	9	1	-	-	-
Penny Saver Reagent Strips	2	2	-	-	-	-
PSS Select Reagent Strips	4	4	-	-	-	-
Quidel QuickVue UrinChek	6	6	-	-	-	-
Roche (BMC) Chemstrips	136	136	-	-	-	-
Roche (BMC) Criterion Analyzer	22	22	-	-	-	-
Roche (BMC) Mini UA	1	1	-	-	-	-
Roche Chemstrip 101	28	28	-	-	-	-
Roche Urisys	15	15	-	-	-	-
Roche(BMC) SuperUA/ChemstripUA	3	3	-	-	-	-
Schein Urispec	6	6	-	-	-	-
Thermo BioStar PocketChem UA	25	25	-	-	-	-
UriScan Reagent Strips	5	4	1	-	-	-

URINALYSIS DIPSTICK–BILIRUBIN

Specimen UA-2

<u>Method</u>	<u>Labs</u>	<u>Negative</u>	<i>Participant Results</i>		
			<i>Small (1+)</i>	<i>Moderate (2+)</i>	<i>Large (3+)</i>
ALL METHODS	1253	1250	1	1	1
Bayer Bili-Labstix	1	1	-	-	-
Bayer Clinitek 10 / 100	96	96	-	-	-
Bayer Clinitek 200/200+	3	3	-	-	-
Bayer Clinitek 50	296	296	-	-	-
Bayer Clinitek 500	32	32	-	-	-
Bayer Clinitek Atlas	2	2	-	-	-
Bayer Clinitek Status	83	83	-	-	-
Bayer Ictotest	2	2	-	-	-
Bayer Reagent Strips	460	457	1	1	1
Behring Reagent Strips	1	1	-	-	-
Hypoguard DiaScreen	11	11	-	-	-
Micro-Bumintest	1	1	-	-	-
Penny Saver Reagent Strips	2	2	-	-	-
PSS Select Reagent Strips	4	4	-	-	-
Quidel QuickVue UrinChek	6	6	-	-	-
Roche (BMC) Chemstrips	127	127	-	-	-
Roche (BMC) Criterion Analyzer	22	22	-	-	-
Roche (BMC) Mini UA	1	1	-	-	-
Roche Chemstrip 101	28	28	-	-	-
Roche Urisys	15	15	-	-	-
Roche(BMC) SuperUA/ChemstripUA	3	3	-	-	-
Schein Urispec	6	6	-	-	-
Thermo BioStar PocketChem UA	25	25	-	-	-
UriScan Reagent Strips	5	5	-	-	-

URINALYSIS DIPSTICK–UROBILINOGEN

Specimen UA-2

Participant Results

<u>Method</u>	<u>Labs</u>	<u>0.2/Normal mg/dL</u>	<u>1.0 mg/dL</u>	<u>2.0 mg/dL</u>	<u>4.0 mg/dL</u>	<u>>8.0 mg/dL</u>
ALL METHODS	1208	1203	3	1	1	-
Bayer Clinitek 10 / 100	94	93	-	1	-	-
Bayer Clinitek 200/200+	3	3	-	-	-	-
Bayer Clinitek 50	296	296	-	-	-	-
Bayer Clinitek 500	27	27	-	-	-	-
Bayer Clinitek Status	81	81	-	-	-	-
Bayer Reagent Strips	436	433	2	-	1	-
Behring Reagent Strips	1	1	-	-	-	-
Hypoguard DiaScreen	11	11	-	-	-	-
Penny Saver Reagent Strips	2	2	-	-	-	-
PSS Select Reagent Strips	4	4	-	-	-	-
Quidel QuickVue UrinChek	4	4	-	-	-	-
Roche (BMC) Chemstrips	127	126	1	-	-	-
Roche (BMC) Criterion Analyzer	22	22	-	-	-	-
Roche (BMC) Mini UA	1	1	-	-	-	-
Roche Chemstrip 101	28	28	-	-	-	-
Roche Urisys	15	15	-	-	-	-
Roche(BMC) SuperUA/ChemstripUA	3	3	-	-	-	-
Schein Urispec	6	6	-	-	-	-
Thermo BioStar PocketChem UA	25	25	-	-	-	-
UriScan Reagent Strips	5	5	-	-	-	-

URINALYSIS DIPSTICK–BLOOD/HEMOGLOBIN

Specimen UA-2

Participant Results

<u>Method</u>	<u>Labs</u>	<u>Negative</u>	<u>Trace</u>	<u>Small (5-10 RBC/μL, 1+)</u>	<u>Moderate (50 RBC/μL, 2+)</u>	<u>Large (250 RBC/μL, 3+)</u>
ALL METHODS	1309	4	4	5	19	1277
Bayer Bili-Labstix	1	-	-	-	-	1
Bayer Clinitek 10 / 100	97	-	-	-	1	96
Bayer Clinitek 200/200+	3	-	-	-	-	3
Bayer Clinitek 50	308	1	3	-	5	299
Bayer Clinitek 500	34	-	-	-	-	34
Bayer Clinitek Atlas	2	-	-	-	-	2
Bayer Clinitek Status	86	-	-	-	-	86
Bayer Hemacombistix	2	-	-	-	-	2
Bayer Reagent Strips	489	3	1	2	4	479
Behring Reagent Strips	1	-	-	-	-	1
Hypoguard DiaScreen	11	-	-	-	-	11
Penny Saver Reagent Strips	2	-	-	-	-	2
PSS Select Reagent Strips	4	-	-	-	-	4
Quidel QuickVue UrinChek	6	-	-	-	-	6
Roche (BMC) Chemstrips	140	-	-	-	4	136
Roche (BMC) Criterion Analyzer	22	-	-	-	-	22
Roche (BMC) Mini UA	1	-	-	-	-	1
Roche Chemstrip 101	28	-	-	-	-	28
Roche Urisys	15	-	-	-	4	11
Roche(BMC) SuperUA/ChemstripUA	3	-	-	-	-	3
Schein Urispec	6	-	-	-	-	6
Thermo BioStar PocketChem UA	25	-	-	3	1	21
UriScan Reagent Strips	5	-	-	-	-	5

URINALYSIS DIPSTICK–LEUKOCYTE ESTERASE

Specimen UA-2

Participant Results

<u>Method</u>	<u>Labs</u>	<u>Negative</u>	<u>Trace</u>	<u>Small (1+)</u>	<u>Moderate (2+)</u>	<u>Large (3+)</u>
ALL METHODS	1285	1280	4	-	-	1
Bayer Clinitek 10 / 100	97	96	1	-	-	-
Bayer Clinitek 200/200+	3	3	-	-	-	-
Bayer Clinitek 50	308	308	-	-	-	-
Bayer Clinitek 500	34	34	-	-	-	-
Bayer Clinitek Atlas	2	2	-	-	-	-
Bayer Clinitek Status	87	86	-	-	-	1
Bayer Reagent Strips	471	469	2	-	-	-
Bayer Uristix	1	1	-	-	-	-
Behring Reagent Strips	1	1	-	-	-	-
Hypoguard DiaScreen	10	10	-	-	-	-
Penny Saver Reagent Strips	2	2	-	-	-	-
PSS Select Reagent Strips	4	3	1	-	-	-
Quidel QuickVue UrinChek	6	6	-	-	-	-
Roche (BMC) Chemstrips	136	136	-	-	-	-
Roche (BMC) Criterion Analyzer	22	22	-	-	-	-
Roche (BMC) Mini UA	1	1	-	-	-	-
Roche Chemstrip 101	28	28	-	-	-	-
Roche Urisys	15	15	-	-	-	-
Roche(BMC) SuperUA/ChemstripUA	3	3	-	-	-	-
Schein Urispec	5	5	-	-	-	-
Thermo BioStar PocketChem UA	25	25	-	-	-	-
UriScan Reagent Strips	5	5	-	-	-	-

URINALYSIS DIPSTICK–NITRITE

Specimen UA-2

Participant Results

<u>Method</u>	<u>Labs</u>	<u>Negative</u>	<u>Positive</u>
ALL METHODS	1283	1272	11
Bayer Clinitek 10 / 100	95	95	-
Bayer Clinitek 200/200+	3	3	-
Bayer Clinitek 50	309	308	1
Bayer Clinitek 500	34	34	-
Bayer Clinitek Atlas	2	2	-
Bayer Clinitek Status	86	86	-
Bayer Reagent Strips	470	467	3
Bayer Uristix	1	1	-
Behring Reagent Strips	1	1	-
Hypoguard DiaScreen	9	8	1
Penny Saver Reagent Strips	2	2	-
PSS Select Reagent Strips	5	5	-
Quidel QuickVue UrinChek	6	6	-
Roche (BMC) Chemstrips	136	131	5
Roche (BMC) Criterion Analyzer	22	22	-
Roche (BMC) Mini UA	1	1	-
Roche Chemstrip 101	27	27	-
Roche Urisys	15	15	-
Roche(BMC) SuperUA/ChemstripUA	3	3	-
Schein Urispec	6	5	1
Thermo BioStar PocketChem UA	25	25	-
UriScan Reagent Strips	5	5	-

URINALYSIS –MICROALBUMIN (dipstick only)

Specimen UA-2

Participant Results

<u>Method</u>	<u>Labs</u>	<u>Negative</u>	<u>10 mg/L(Pos)</u>	<u>20/30 mg/L</u>	<u>50 mg/L (+)</u>	<u>80 mg/L</u>	<u>100 mg/L (++)</u>	<u>150 mg/L</u>
ALL METHODS	168	6	2	-	16	2	77	65
Roche (BMC) Micral - 1 minute	89	3	-	-	15	2	69	-
Micro-Bumintest	9	-	2	-	-	-	7	-
Hypoguard DiaScreen	1	1	-	-	-	-	-	-
Bayer Clinitek Microalbumin	64	-	-	-	1	-	-	63

URINALYSIS –URINE hCG

Specimen UA-2

Participant Results

<u>Method</u>	<u>Sensitivity (mIU/mL)</u>	<u>Labs</u>	<u>Negative</u>	<u>Positive</u>
All Methods	-	622	7	615
ABI SureStep hCG Combo	20	-	-	-
Acceva hCG-Urine	25	10	-	10
Acon Laboratories	-	1	-	1
AimStep Combo Pregnancy	-	1	-	1
Applied Biotech SureStrip	-	-	-	-
ASI ProPhase Combo S/U	25	-	-	-
Beckman Coulter ICON 25 hCG	20	66	1	65
Beckman Coulter ICON II HCG	20	2	-	2
BioStar Acceava hCG Combo	-	5	-	5
Cardinal Health SP Brand combo	20	18	-	18
Cardinal Hlth SPBrand-cassette	-	18	-	18
Genzyme Contrast hCG	25	4	-	4
Genzyme OSOM - Urine Test	-	14	-	14
Genzyme OSOM hCG Combo Test	-	15	-	15
Genzyme OSOM Card Pregnancy	20	2	-	2
Genzyme Signify-Urine/Serum	25	11	-	11
Henry Schein One Step	20	4	-	4
Hybritech Icon II Serum/Urine	20	3	-	3
Hybritech Icon II Urine	-	-	-	-
Immunostics Cept-D	25	4	-	4
Immunostics Detector Combi	-	3	-	3
Instant Tech. i Pregnancy	-	4	-	4
Inverness Signify hCG combo	20	3	-	3
Inverness Signify hCG urine	5	11	-	11
LifeSign Status hCG	20	2	-	2
Mainline Confirm hCG Combo	20	10	-	10
Mainline Confirm hCG Urine	20	19	-	19
McKesson urine hCG – all 20 mIU kits	-	15	-	15
Polymedco Poly stat hCG	20	31	-	31
Quidel QuickVue + One-Step	-	17	-	17
Quidel QuickVue One-Step Combo	20	91	2	89
Quidel QuickVue One-Step Urine	20	152	2	150
Quidel QuickVue Semi-Q hCG	-	2	-	2
Quidel RapidVue	25	3	-	3
Ramco Quik-Trak hCG	-	3	-	3
SA Scientific Pregnancy Strip	-	1	-	1
Stanbio QuPID	25	9	-	9
Stanbio QuPID Plus	-	2	-	2
Stanbio QuStick	25	1	-	1
Stanbio TRUE hCG	20	5	-	5
Sure-Vue hCG - 25mIU	25	6	1	5
Sure-Vue hCG-STAT	20	8	-	8
Wampole Clearview hCG Combo	-	7	-	7
Wampole Clearview hCG Duo	-	5	-	5
Wampole Clearview hCG II	25	5	-	5
Wampole UCG (slide)	-	1	1	-

FECAL OCCULT BLOOD

<u>Method</u>	<u>Specimen OC-3</u>		<u>Specimen OC-4</u>	
	<u>Negative</u>	<u>Positive</u>	<u>Negative</u>	<u>Positive</u>
ALL METHODS	8	382	373	5
Alfa Scientific Instant View	-	21	21	-
Guiac (slide) Test	5	326	315	4
Instant Technologies i Screen FOBT	-	1	1	-
Polymedco OC Auto Micro 80	2	1	2	1
Quidel QuickVue iFOB	-	1	1	-

KOH SKIN PREPARATION

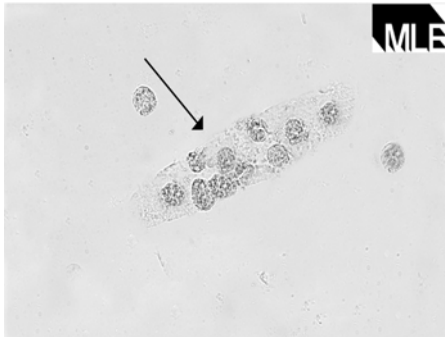
<u>Specimen</u>	<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
K-3	Yeast/fungal element present	147	61.25%	Not graded
	No yeast/fungus present	93	38.75%	
K-4	Yeast/fungal element present	232	96.67%	Acceptable
	No yeast/fungus present	8	3.33%	

Organism present in specimen K-3: *Candida albicans*. Yeast can appear with or without either budding or pseudohyphae. This is an ungraded challenge due to less than 80% participant consensus.

Organism present in specimen K-4: *Thrrophyton tonsurans*.

URINE SEDIMENT IDENTIFICATION

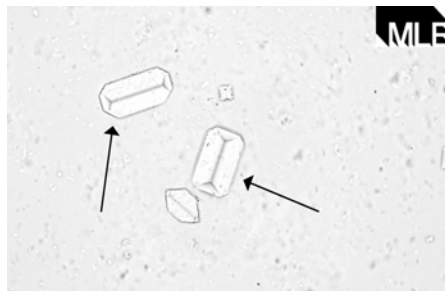
Specimen US-3



<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Cellular (WBC) cast	901	92.51%	Acceptable
White blood cell (WBC)	58	5.95%	
RBC/blood/hgb cast	5	0.51%	

The arrow in this photograph points to a cellular cast filled with white blood cells (WBC). These casts are usually easy to identify since the WBCs within the cast are most often neutrophils (PMNs), which have multilobed nuclei. The presence of WBC casts is always a clinically significant finding. They are characteristically seen in acute pyelonephritis and occasionally in glomerulonephritis or other renal diseases with significant inflammation.

Specimen US-4

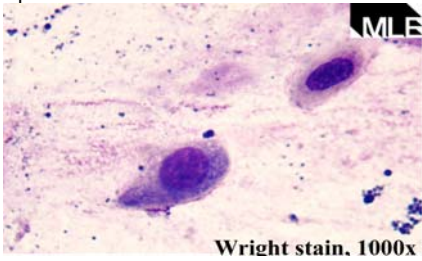


<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Triple phosphate crystal	904	93.87%	Acceptable
Calcium oxalate crystal	25	2.60%	
Sulfonamide crystal	19	1.97%	
Uric acid crystal	6	0.62%	
Calcium phosphate crystal	5	0.52%	

The arrows in this photograph point to triple phosphate crystals, also known as ammonium magnesium phosphate, or struvite. Triple phosphate crystals appear as colorless three-to eight-sided rectangular prisms, typically described as "coffin lids". When dissolving into solution, they may take on a feathery sleeve or fern-leaf appearance. These crystals are often found in alkaline urine, and are soluble in acetic acid. They are rarely clinically significant. Conversely, calcium oxalate crystals are usually found in acid urine, and most commonly resemble an envelope or two pyramids joined at the base. For a photo of calcium oxalate, see 2004 M1, Specimen US-2.

PROVIDER-PERFORMED MICROSCOPY (PPM)

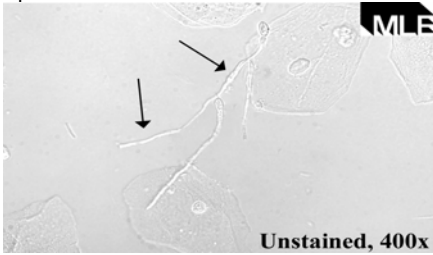
Nasal Smear
Specimen PPM-5



<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Eosinophils absent	175	89.74%	Acceptable
Eosinophils present	20	10.26%	

This 1000X photograph of Wright's stained nasal mucous is negative for eosinophils. Eosinophils are characterized by large red-orange granules which fill the cytoplasm. For a photo of eosinophils, see 2006 M1, Specimen PPM-1.

KOH Preparation
Specimen PPM-6



<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Yeast/fungal element present	647	96.86%	Acceptable
No yeast/fungus present	21	3.14%	

The arrows in this 400X photograph of a vaginal KOH preparation point to yeast with pseudohyphae.

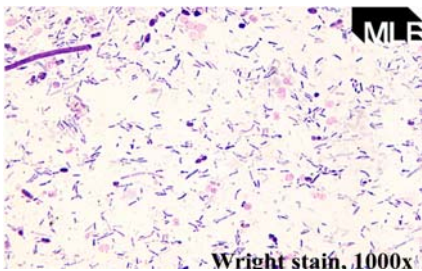
Pinworm Preparation
Specimen PPM-7



<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Pinworms/eggs present	258	99.23%	Acceptable
Pinworms/eggs absent	2	0.77%	

This 100X photograph of a pinworm preparation is positive for pinworm eggs.

Stool Preparation
Specimen PPM-8



<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Leukocytes are absent	162	84.38%	Acceptable
Leukocytes are present	30	15.63%	

This 1000X photograph of a Wright's stained stool preparation is negative for leukocytes. The objects appearing in the photo are bacteria and yeast. Although they may resemble cells viewed under low power, it is important to note the level of magnification. If leukocytes were present, they would be approximately the same size as the lymphocyte in the photo of Blood Cell ID Specimen BC-10.

Medical Laboratory Evaluation

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