MEDICAL LABORATORY EVALUATION

PARTICIPANT SUMMARY

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Hematology, Coagulation,
Blood Bank, Urinalysis, PPM
MLE-M3

ACP | Medical Laboratory Evaluation

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

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Provider-Performed Microscopy (PPM)

EVALUATION CRITERIA

The evaluation criteria used in the 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.

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.

Crystal Identification	80% Consensus
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

Quantitative

For quantitative procedures, a mean and standard deviation (SD) are calculated for each peer group consisting of 10 or more laboratories except for QBC Hematology and Coagulation (CG Specimens) which consist of peer groups of 5 or more laboratories. Acceptable performance is established on a target value ± 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 page 37 under the heading "Acceptable Ranges for Quantitative Results."

Hemoglobin	± 7%
Hemoglogin, Waived	± 7%
Hematocrit	± 6%
Hematocrit, Waived	± 6% or ± 2 SD*
White Blood Cell Count	± 15%
Red Blood Cell Count	± 6%
Platelet Count	± 25%
Automated Differential	± 3 SD
Body Fluid - White Cell Count	± 2 SD
Body Fluid - Red Cell Count	± 2 SD
Sedimentation Rate	± 3 SD
Prothrombin Time	± 15%
International Normalized Ratio (INR)	± 20%
Activated Partial Thromboplastin Time	± 15%
Fibrinogen	± 20%
Specific Gravity	± 0.010
Reticulocyte Count	± 3 SD
Whole Blood Glucose – HemoCue	± 12 mg/dL or ± 20%*
Microalbumin (Quantitative)	± 3 SD
Creatinine, Urine (Quantitative)	± 3 SD

*Whichever is greater

HEMOCUE HEMATOLOGY–HEMOGLOBIN (g/dL)

	Specimen HQ-5						Specimen HQ-6					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
HemoCue	42	13.19	0.32	2.4	13.2	12.2 - 14.2	40	5.94	0.11	1.9	5.9	5.5 - 6.4

HEMOCUE HEMATOLOGY–GLUCOSE (mg/dL)

	Specimen HQ-5						Specimen HQ-6					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	44	91.3	7.9	8.7	91	73 - 110	44	51.5	6.4	12.5	52	39 - 64
All HemoCue Methods	41	91.7	8.0	8.7	92	73 - 111	41	51.7	6.4	12.4	52	39 - 64
HemoCue Glucose 201/+	41	91.7	8.0	8.7	92	73 - 111	41	51.7	6.4	12.4	52	39 - 64

SEDIMENTATION RATE (MM/HR)

	Specimen ES-5						Specimen ES-6					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	189	7.6	2.6	34.3	8	0 - 16	188	48.3	14.0	29.0	45	6 - 91
All HiChem Methods	10	4.9	1.7	35.3	5	0 - 11	10	83.1	10.5	12.6	86	51 - 115
All Vital Diagnostics Methods	20	7.3	1.3	17.8	8	3 - 12	20	60.1	6.5	10.9	60	40 - 80
HiChem Mini-Ves	10	4.9	1.7	35.3	5	0 - 11	10	83.1	10.5	12.6	86	51 - 115
Polymedco Sedimat	12	4.2	3.1	73.7	4	0 - 14	12	45.0	6.4	14.2	45	25 - 65
Streck ESR-Auto Plus	14	11.0	1.3	11.8	11	7 - 15	14	66.0	7.1	10.7	65	44 - 88
Vital Diagnostics Excyte M/10	16	7.4	1.4	19.1	8	3 - 12	16	60.0	6.2	10.3	60	41 - 79
Westergren - diluted	107	7.7	2.4	31.2	8	0 - 15	106	43.3	9.7	22.4	41	14 - 73
Westergren - undiluted	13	7.9	2.2	27.5	9	1 - 15	13	41.2	7.5	18.3	43	18 - 64
Wintrobe	10	8.5	0.8	10.0	9	5 - 12	10	33.6	6.2	18.6	33	14 - 53

SEDIMAT SEDIMENTATION RATE (MM/HR)

	Specimen MAT-5						Specimen MAT-6					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
Polymedco Sedimat 15	16	1.8	1.0	57.8	2	0 - 5	16	67.8	15.0	22.1	72	22 - 113

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

Instrument	Specimen CL-11 Labs	Mean	SD	CV	Median	Range	Specimen CL-12 Labs	Mean	SD	CV	Median	Range
All Method	29	3.03	0.12	4.1	3.0	2.5 - 3.5	29	7.93	0.30	3.8	8.0	6.7 - 9.2
All Abbott Cell-Dyn Instruments	28	3.04	0.12	3.8	3.0	2.5 - 3.5	28	7.94	0.30	3.8	8.0	6.7 - 9.2
Abbott Cell-Dyn 3200	10	3.11	0.13	4.1	3.2	2.6 - 3.6	10	8.09	0.29	3.6	8.1	6.8 - 9.4
Abbott Cell-Dyn Ruby	13	3.04	0.09	2.9	3.0	2.5 - 3.5	13	7.94	0.30	3.8	8.0	6.7 - 9.2

Instrument	Specimen CL-13 Labs	Mean	SD	CV	Median	Range	Specimen CL-14 Labs	Mean	SD	CV	Median	Range
All Method	27	27.65	1.18	4.3	27.9	23.5 - 31.8	29	3.20	0.23	7.3	3.1	2.7 - 3.7
All Abbott Cell-Dyn Instruments	26	27.57	1.13	4.1	27.9	23.4 - 31.8	28	3.20	0.23	7.3	3.1	2.7 - 3.7
Abbott Cell-Dyn 3200	10	28.15	0.79	2.8	28.1	23.9 - 32.4	10	3.09	0.11	3.6	3.1	2.6 - 3.6
Abbott Cell-Dyn Ruby	12	28.10	1.67	5.9	28.3	23.8 - 32.4	13	3.34	0.27	8.1	3.3	2.8 - 3.9

Instrument	Specimen CL-15 Labs	Mean	SD	CV	Median	Range
All Method	29	7.91	0.25	3.2	8.0	6.7 - 9.1
All Abbott Cell-Dyn Instruments	28	7.91	0.26	3.2	8.0	6.7 - 9.1
Abbott Cell-Dyn 3200	10	8.01	0.22	2.7	8.0	6.8 - 9.3
Abbott Cell-Dyn Ruby	13	7.98	0.15	1.9	8.0	6.7 - 9.2

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

Instrument	Specimen CL-11 Labs	Mean	SD	CV	Median	Range	Specimen CL-12 Labs	Mean	SD	CV	Median	Range
All Method	28	2.107	0.040	1.9	2.10	1.98 - 2.24	29	4.676	0.103	2.2	4.67	4.39 - 4.96
All Abbott Cell-Dyn Instruments	28	2.107	0.040	1.9	2.10	1.98 - 2.24	28	4.678	0.104	2.2	4.67	4.39 - 4.96
Abbott Cell-Dyn 3200	10	2.089	0.031	1.5	2.09	1.96 - 2.22	10	4.657	0.089	1.9	4.64	4.37 - 4.94
Abbott Cell-Dyn Ruby	13	2.119	0.046	2.2	2.12	1.99 - 2.25	13	4.726	0.107	2.3	4.70	4.44 - 5.01

Instrument	Specimen CL-13 Labs	Mean	SD	CV	Median	Range	Specimen CL-14 Labs	Mean	SD	CV	Median	Range
All Method	28	6.876	0.116	1.7	6.87	6.46 - 7.29	29	2.102	0.043	2.1	2.10	1.97 - 2.23
All Abbott Cell-Dyn Instruments	27	6.880	0.116	1.7	6.87	6.46 - 7.30	28	2.104	0.042	2.0	2.11	1.97 - 2.24
Abbott Cell-Dyn 3200	10	6.917	0.132	1.9	6.89	6.50 - 7.34	10	2.104	0.035	1.6	2.10	1.97 - 2.24
Abbott Cell-Dyn Ruby	12	6.876	0.107	1.6	6.89	6.46 - 7.29	13	2.106	0.054	2.6	2.10	1.97 - 2.24

Instrument	Specimen CL-15 Labs	Mean	SD	CV	Median	Range
All Method	29	4.679	0.097	2.1	4.66	4.39 - 4.96
All Abbott Cell-Dyn Instruments	28	4.681	0.098	2.1	4.67	4.40 - 4.97
Abbott Cell-Dyn 3200	10	4.642	0.086	1.9	4.64	4.36 - 4.93
Abbott Cell-Dyn Ruby	13	4.725	0.104	2.2	4.72	4.44 - 5.01

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

	Specimen CL-11						Specimen CL-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	29	5.53	0.15	2.8	5.5	5.1 - 6.0	29	13.66	0.31	2.2	13.6	12.7 - 14.7
All Abbott Cell-Dyn Instruments	28	5.54	0.14	2.6	5.5	5.1 - 6.0	28	13.65	0.31	2.3	13.6	12.6 - 14.7
Abbott Cell-Dyn 3200	10	5.57	0.16	2.9	5.6	5.1 - 6.0	10	13.64	0.32	2.4	13.6	12.6 - 14.6
Abbott Cell-Dyn Ruby	13	5.51	0.13	2.4	5.5	5.1 - 5.9	13	13.65	0.26	1.9	13.6	12.6 - 14.7
	Specimen CL-13						**Specimen CL-14**					
All Method	28	21.90	0.48	2.2	21.9	20.3 - 23.5	29	5.52	0.17	3.2	5.6	5.1 - 6.0
All Abbott Cell-Dyn Instruments	27	21.89	0.49	2.2	21.9	20.3 - 23.5	28	5.52	0.18	3.2	5.6	5.1 - 6.0
Abbott Cell-Dyn 3200	10	21.80	0.40	1.8	21.9	20.2 - 23.4	10	5.59	0.17	3.1	5.7	5.1 - 6.0
Abbott Cell-Dyn Ruby	12	22.02	0.48	2.2	22.0	20.4 - 23.6	13	5.43	0.16	2.9	5.4	5.0 - 5.9
	Specimen CL-15											
All Method	29	13.62	0.31	2.3	13.6	12.6 - 14.6						
All Abbott Cell-Dyn Instruments	28	13.61	0.31	2.3	13.6	12.6 - 14.6						
Abbott Cell-Dyn 3200	10	13.59	0.37	2.7	13.6	12.6 - 14.6						
Abbott Cell-Dyn Ruby	13	13.62	0.29	2.1	13.7	12.6 - 14.6						

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

	Specimen CL-11						Specimen CL-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	29	15.44	0.98	6.4	15.1	14.5 - 16.4	29	38.24	2.23	5.8	37.8	35.9 - 40.6
All Abbott Cell-Dyn Instruments	23	15.00	0.37	2.5	15.0	14.1 - 15.9	23	37.24	1.10	3.0	37.0	35.0 - 39.5
Abbott Cell-Dyn 3200	10	15.08	0.34	2.3	15.2	14.1 - 16.0	10	37.40	1.10	2.9	37.5	35.1 - 39.7
Abbott Cell-Dyn Ruby	13	14.94	0.40	2.7	14.8	14.0 - 15.9	13	37.12	1.13	3.0	36.8	34.8 - 39.4
	Specimen CL-13						**Specimen CL-14**					
All Method	28	60.08	3.78	6.3	58.6	56.4 - 63.7	29	15.46	1.04	6.7	15.2	14.5 - 16.4
All Abbott Cell-Dyn Instruments	22	58.25	1.42	2.4	58.1	54.7 - 61.8	23	14.99	0.48	3.2	15.0	14.0 - 15.9
Abbott Cell-Dyn 3200	10	59.03	1.35	2.3	58.9	55.4 - 62.6	10	15.20	0.48	3.1	15.3	14.2 - 16.2
Abbott Cell-Dyn Ruby	12	57.61	1.16	2.0	57.7	54.1 - 61.1	13	14.82	0.44	2.9	14.7	13.9 - 15.8
	Specimen CL-15											
All Method	29	38.26	2.36	6.2	37.6	35.9 - 40.6						
All Abbott Cell-Dyn Instruments	23	37.18	1.09	2.9	37.1	34.9 - 39.5						
Abbott Cell-Dyn 3200	10	37.32	1.31	3.5	37.7	35.0 - 39.6						
Abbott Cell-Dyn Ruby	13	37.08	0.93	2.5	37.0	34.8 - 39.4						

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

	Specimen CL-11						Specimen CL-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	29	79.4	6.0	7.6	79	59 - 100	29	270.7	15.4	5.7	269	203 - 339
All Abbott Cell-Dyn Instruments	28	79.4	6.2	7.7	79	59 - 100	28	272.0	13.9	5.1	270	204 - 340
Abbott Cell-Dyn 3200	10	79.2	8.5	10.7	76	59 - 99	10	271.1	17.5	6.5	268	203 - 339
Abbott Cell-Dyn Ruby	13	77.4	3.3	4.3	77	58 - 97	13	273.5	14.1	5.1	272	205 - 342
	Specimen CL-13						**Specimen CL-14**					
All Method	27	649.7	39.4	6.1	652	487 - 813	29	79.2	6.4	8.0	79	59 - 100
All Abbott Cell-Dyn Instruments	27	649.7	39.4	6.1	652	487 - 813	28	79.0	6.4	8.1	79	59 - 99
Abbott Cell-Dyn 3200	10	665.6	36.5	5.5	671	499 - 832	10	79.0	7.3	9.2	79	59 - 99
Abbott Cell-Dyn Ruby	12	658.0	30.8	4.7	657	493 - 823	13	76.8	4.3	5.6	76	57 - 96
	Specimen CL-15											
All Method	29	269.3	14.9	5.5	269	201 - 337						
All Abbott Cell-Dyn Instruments	28	270.4	14.1	5.2	270	202 - 338						
Abbott Cell-Dyn 3200	10	269.0	19.8	7.3	267	201 - 337						
Abbott Cell-Dyn Ruby	13	272.5	10.7	3.9	274	204 - 341						

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

	Specimen CL-11						Specimen CL-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	29	49.27	1.21	2.5	49.3	45.6 - 53.0	29	63.38	0.73	1.1	63.4	61.1 - 65.6
All Abbott Cell-Dyn Instruments	28	49.19	1.14	2.3	49.3	45.7 - 52.7	28	63.36	0.73	1.2	63.4	61.1 - 65.6
Abbott Cell-Dyn 3200	10	48.73	1.21	2.5	49.0	45.1 - 52.4	10	63.34	0.84	1.3	63.3	60.8 - 65.9
Abbott Cell-Dyn Ruby	13	49.48	1.02	2.1	49.9	46.4 - 52.6	13	63.38	0.71	1.1	63.3	61.2 - 65.6
	Specimen CL-13						**Specimen CL-14**					
All Method	27	72.62	0.96	1.3	72.7	69.7 - 75.5	29	50.64	2.33	4.6	50.1	43.6 - 57.7
All Abbott Cell-Dyn Instruments	26	72.55	0.92	1.3	72.6	69.8 - 75.4	28	50.59	2.35	4.6	50.1	43.5 - 57.7
Abbott Cell-Dyn 3200	10	72.65	0.91	1.3	72.9	69.9 - 75.4	10	48.73	1.35	2.8	48.7	44.6 - 52.8
Abbott Cell-Dyn Ruby	12	71.83	2.64	3.7	72.2	63.8 - 79.8	13	52.02	2.36	4.5	50.8	44.9 - 59.2
	Specimen CL-15											
All Method	29	63.30	0.74	1.2	63.4	61.0 - 65.6						
All Abbott Cell-Dyn Instruments	28	63.26	0.73	1.1	63.4	61.0 - 65.5						
Abbott Cell-Dyn 3200	10	62.93	0.73	1.2	63.0	60.7 - 65.2						
Abbott Cell-Dyn Ruby	13	63.28	0.57	0.9	63.4	61.5 - 65.0						

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

	Specimen CL-11						Specimen CL-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	29	39.14	1.86	4.7	39.5	33.5 - 44.8	29	25.82	1.07	4.2	26.0	22.6 - 29.1
All Abbott Cell-Dyn Instruments	28	39.31	1.67	4.2	39.6	34.3 - 44.4	28	25.88	1.04	4.0	26.0	22.7 - 29.1
Abbott Cell-Dyn 3200	10	39.65	1.50	3.8	39.9	35.1 - 44.2	10	25.85	1.17	4.5	26.1	22.3 - 29.4
Abbott Cell-Dyn Ruby	13	38.73	1.80	4.6	39.0	33.3 - 44.2	13	25.75	1.13	4.4	25.6	22.3 - 29.2
	Specimen CL-13						**Specimen CL-14**					
All Method	27	16.13	0.96	5.9	16.0	13.2 - 19.1	29	38.50	2.37	6.2	39.1	31.3 - 45.7
All Abbott Cell-Dyn Instruments	26	16.19	0.93	5.7	16.1	13.3 - 19.0	28	38.62	2.33	6.0	39.1	31.6 - 45.7
Abbott Cell-Dyn 3200	10	16.04	0.64	4.0	15.9	14.1 - 18.0	10	40.40	1.63	4.0	39.6	35.5 - 45.3
Abbott Cell-Dyn Ruby	11	16.16	1.20	7.4	16.5	12.5 - 19.8	13	36.94	2.00	5.4	36.8	30.9 - 43.0
	Specimen CL-15											
All Method	29	25.93	1.00	3.8	25.9	22.9 - 29.0						
All Abbott Cell-Dyn Instruments	28	26.01	0.91	3.5	25.9	23.2 - 28.8						
Abbott Cell-Dyn 3200	10	26.45	0.62	2.4	26.3	24.5 - 28.4						
Abbott Cell-Dyn Ruby	13	25.73	1.05	4.1	25.8	22.5 - 28.9						

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

	Specimen CL-11						Specimen CL-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	29	7.06	1.32	18.7	6.9	3.1 - 11.1	29	6.78	0.73	10.8	6.8	4.5 - 9.0
All Abbott Cell-Dyn Instruments	28	7.04	1.34	19.0	6.9	3.0 - 11.1	28	6.76	0.73	10.8	6.8	4.5 - 9.0
Abbott Cell-Dyn 3200	10	7.14	1.34	18.7	7.1	3.1 - 11.2	10	6.82	0.70	10.2	6.9	4.7 - 9.0
Abbott Cell-Dyn Ruby	13	7.32	1.46	20.0	7.3	2.9 - 11.8	13	6.82	0.76	11.2	6.9	4.5 - 9.2
	Specimen CL-13						**Specimen CL-14**					
All Method	28	5.57	0.53	9.6	5.7	3.9 - 7.2	29	6.51	1.04	15.9	6.6	3.4 - 9.7
All Abbott Cell-Dyn Instruments	27	5.55	0.53	9.5	5.6	3.9 - 7.2	28	6.50	1.05	16.2	6.6	3.3 - 9.7
Abbott Cell-Dyn 3200	10	5.58	0.44	8.0	5.6	4.2 - 7.0	10	6.60	1.40	21.2	6.8	2.4 - 10.8
Abbott Cell-Dyn Ruby	12	5.56	0.66	11.8	5.7	3.5 - 7.6	13	6.67	0.81	12.2	6.6	4.2 - 9.2
	Specimen CL-15											
All Method	29	6.79	0.68	10.0	6.7	4.7 - 8.9						
All Abbott Cell-Dyn Instruments	28	6.76	0.68	10.0	6.7	4.7 - 8.8						
Abbott Cell-Dyn 3200	10	6.69	0.47	7.1	6.7	5.2 - 8.2						
Abbott Cell-Dyn Ruby	13	6.92	0.82	11.8	6.8	4.4 - 9.4						

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

	Specimen CL-11						Specimen CL-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	29	3.60	0.36	9.9	3.6	2.5 - 4.7	29	3.61	0.19	5.3	3.6	3.0 - 4.2
All Abbott Cell-Dyn Instruments	28	3.58	0.35	9.8	3.6	2.5 - 4.7	28	3.61	0.20	5.4	3.6	3.0 - 4.2
Abbott Cell-Dyn 3200	10	3.56	0.35	9.9	3.5	2.4 - 4.7	10	3.58	0.24	6.7	3.6	2.8 - 4.3
Abbott Cell-Dyn Ruby	13	3.51	0.34	9.8	3.6	2.4 - 4.6	13	3.62	0.16	4.5	3.6	3.1 - 4.2
	Specimen CL-13						**Specimen CL-14**					
All Method	28	4.89	0.27	5.5	4.9	4.0 - 5.7	29	3.57	0.30	8.5	3.6	2.6 - 4.5
All Abbott Cell-Dyn Instruments	27	4.91	0.25	5.2	4.9	4.1 - 5.7	28	3.58	0.31	8.5	3.6	2.6 - 4.5
Abbott Cell-Dyn 3200	10	4.91	0.26	5.4	4.9	4.1 - 5.8	10	3.49	0.36	10.2	3.4	2.4 - 4.6
Abbott Cell-Dyn Ruby	12	4.85	0.26	5.4	4.9	4.0 - 5.7	13	3.65	0.30	8.2	3.7	2.7 - 4.6
	Specimen CL-15											
All Method	29	3.60	0.24	6.7	3.6	2.8 - 4.4						
All Abbott Cell-Dyn Instruments	28	3.60	0.24	6.8	3.6	2.8 - 4.4						
Abbott Cell-Dyn 3200	10	3.55	0.23	6.4	3.6	2.8 - 4.3						
Abbott Cell-Dyn Ruby	13	3.64	0.28	7.8	3.6	2.7 - 4.5						

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

	Specimen CL-11						Specimen CL-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	27	0.82	0.26	32.3	0.8	0.0 - 1.7	29	0.44	0.26	58.7	0.4	0.0 - 1.3
All Abbott Cell-Dyn Instruments	27	0.82	0.26	32.3	0.8	0.0 - 1.7	28	0.43	0.25	59.3	0.4	0.0 - 1.2
Abbott Cell-Dyn 3200	10	0.91	0.32	35.7	0.8	0.0 - 1.9	10	0.50	0.32	64.6	0.4	0.0 - 1.5
Abbott Cell-Dyn Ruby	12	0.79	0.24	29.7	0.9	0.0 - 1.5	13	0.41	0.18	44.2	0.4	0.0 - 1.0
	Specimen CL-13						**Specimen CL-14**					
All Method	28	0.75	0.21	28.3	0.8	0.1 - 1.4	28	0.66	0.33	50.0	0.7	0.0 - 1.7
All Abbott Cell-Dyn Instruments	27	0.77	0.21	26.8	0.8	0.1 - 1.4	28	0.66	0.33	50.0	0.7	0.0 - 1.7
Abbott Cell-Dyn 3200	10	0.84	0.22	26.4	0.8	0.1 - 1.6	10	0.76	0.37	48.9	0.9	0.0 - 1.9
Abbott Cell-Dyn Ruby	12	0.75	0.17	22.4	0.8	0.2 - 1.3	13	0.72	0.23	32.7	0.7	0.0 - 1.5
	Specimen CL-15											
All Method	29	0.37	0.22	58.3	0.4	0.0 - 1.1						
All Abbott Cell-Dyn Instruments	28	0.35	0.20	55.2	0.4	0.0 - 1.0						
Abbott Cell-Dyn 3200	10	0.36	0.22	60.3	0.4	0.0 - 1.1						
Abbott Cell-Dyn Ruby	13	0.38	0.17	43.6	0.4	0.0 - 0.9						

SYSMEX HEMATOLOGY W/ AUTOMATED DIFFERENTIAL–WHITE BLOOD CELL COUNT (x 10^9/L)

	Specimen SYX-11						Specimen SYX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	51	2.87	0.08	2.8	2.9	2.4 - 3.3	54	8.16	0.24	2.9	8.1	6.9 - 9.4
All Sysmex Instruments	51	2.87	0.08	2.8	2.9	2.4 - 3.3	54	8.16	0.24	2.9	8.1	6.9 - 9.4
Sysmex KX-21N & K-800, 1000, 4500	27	2.87	0.07	2.5	2.9	2.4 - 3.4	27	8.03	0.15	1.8	8.1	6.8 - 9.3
Sysmex pocH-100i	15	2.83	0.08	2.8	2.8	2.4 - 3.3	15	8.17	0.18	2.2	8.1	6.9 - 9.4
Sysmex XP-300	11	3.05	0.37	12.1	3.0	2.5 - 3.6	11	8.43	0.21	2.6	8.4	7.1 - 9.7
	Specimen SYX-13						**Specimen SYX-14**					
All Method	53	22.41	0.59	2.7	22.4	19.0 - 25.8	52	2.89	0.10	3.6	2.9	2.4 - 3.4
All Sysmex Instruments	53	22.41	0.59	2.7	22.4	19.0 - 25.8	52	2.89	0.10	3.6	2.9	2.4 - 3.4
Sysmex KX-21N & K-800, 1000, 4500	28	22.28	0.39	1.8	22.3	18.9 - 25.7	27	2.85	0.08	3.0	2.9	2.4 - 3.3
Sysmex pocH-100i	15	22.27	0.60	2.7	22.4	18.9 - 25.7	15	2.89	0.10	3.3	2.9	2.4 - 3.4
Sysmex XP-300	11	21.64	4.58	21.2	23.2	18.3 - 24.9	11	3.08	0.35	11.5	3.0	2.6 - 3.6
	Specimen SYX-15											
All Method	52	8.18	0.27	3.3	8.2	6.9 - 9.5						
All Sysmex Instruments	52	8.18	0.27	3.3	8.2	6.9 - 9.5						
Sysmex KX-21N & K-800, 1000, 4500	27	8.07	0.18	2.3	8.1	6.8 - 9.3						
Sysmex pocH-100i	15	8.17	0.20	2.5	8.1	6.9 - 9.4						
Sysmex XP-300	10	8.62	0.56	6.4	8.6	7.3 - 10.0						

SYSMEX HEMATOLOGY W/ AUTOMATED DIFFERENTIAL–RED BLOOD CELL COUNT (x 10^{12}/L)

	Specimen SYX-11						Specimen SYX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	53	2.401	0.038	1.6	2.40	2.25 - 2.55	54	4.123	0.069	1.7	4.11	3.87 - 4.37
All Sysmex Instruments	53	2.401	0.038	1.6	2.40	2.25 - 2.55	54	4.123	0.069	1.7	4.11	3.87 - 4.37
Sysmex KX-21N & K-800, 1000, 4500	28	2.408	0.042	1.8	2.41	2.26 - 2.56	28	4.122	0.058	1.4	4.12	3.87 - 4.37
Sysmex pocH-100i	15	2.387	0.038	1.6	2.39	2.24 - 2.54	15	4.155	0.088	2.1	4.16	3.90 - 4.41
Sysmex XP-300	11	2.390	0.043	1.8	2.40	2.24 - 2.54	11	4.081	0.040	1.0	4.10	3.83 - 4.33
	Specimen SYX-13						**Specimen SYX-14**					
All Method	53	6.167	0.097	1.6	6.16	5.79 - 6.54	51	2.413	0.032	1.3	2.41	2.26 - 2.56
All Sysmex Instruments	53	6.167	0.097	1.6	6.16	5.79 - 6.54	51	2.413	0.032	1.3	2.41	2.26 - 2.56
Sysmex KX-21N & K-800, 1000, 4500	28	6.181	0.076	1.2	6.19	5.80 - 6.56	27	2.409	0.028	1.2	2.41	2.26 - 2.56
Sysmex pocH-100i	15	6.166	0.137	2.2	6.13	5.79 - 6.54	15	2.414	0.057	2.3	2.41	2.26 - 2.56
Sysmex XP-300	11	5.944	0.615	10.4	6.13	5.58 - 6.31	11	2.395	0.042	1.7	2.40	2.25 - 2.54
	Specimen SYX-15											
All Method	52	4.136	0.060	1.4	4.15	3.88 - 4.39						
All Sysmex Instruments	52	4.136	0.060	1.4	4.15	3.88 - 4.39						
Sysmex KX-21N & K-800, 1000, 4500	28	4.125	0.049	1.2	4.12	3.87 - 4.38						
Sysmex pocH-100i	15	4.163	0.079	1.9	4.17	3.91 - 4.42						
Sysmex XP-300	10	4.104	0.087	2.1	4.11	3.85 - 4.36						

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

	Specimen SYX-11						Specimen SYX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	54	6.24	0.11	1.8	6.3	5.8 - 6.7	54	12.07	0.16	1.3	12.1	11.2 - 13.0
All Sysmex Instruments	54	6.24	0.11	1.8	6.3	5.8 - 6.7	54	12.07	0.16	1.3	12.1	11.2 - 13.0
Sysmex KX-21N & K-800, 1000, 4500	28	6.26	0.11	1.7	6.3	5.8 - 6.7	28	12.09	0.13	1.1	12.1	11.2 - 13.0
Sysmex pocH-100i	15	6.25	0.09	1.5	6.3	5.8 - 6.7	15	12.04	0.21	1.8	12.0	11.1 - 12.9
Sysmex XP-300	11	6.17	0.13	2.1	6.2	5.7 - 6.7	11	12.07	0.17	1.4	12.1	11.2 - 13.0
	Specimen SYX-13						**Specimen SYX-14**					
All Method	52	19.66	0.28	1.4	19.7	18.2 - 21.1	53	6.21	0.10	1.7	6.2	5.7 - 6.7
All Sysmex Instruments	52	19.66	0.28	1.4	19.7	18.2 - 21.1	53	6.21	0.10	1.7	6.2	5.7 - 6.7
Sysmex KX-21N & K-800, 1000, 4500	28	19.73	0.22	1.1	19.8	18.3 - 21.2	27	6.25	0.09	1.4	6.3	5.8 - 6.7
Sysmex pocH-100i	15	19.55	0.37	1.9	19.7	18.1 - 21.0	15	6.19	0.10	1.6	6.2	5.7 - 6.7
Sysmex XP-300	10	19.40	0.81	4.2	19.6	18.0 - 20.8	11	6.15	0.10	1.7	6.1	5.7 - 6.6
	Specimen SYX-15											
All Method	53	12.06	0.16	1.3	12.1	11.2 - 13.0						
All Sysmex Instruments	53	12.06	0.16	1.3	12.1	11.2 - 13.0						
Sysmex KX-21N & K-800, 1000, 4500	28	12.12	0.11	0.9	12.1	11.2 - 13.0						
Sysmex pocH-100i	15	12.00	0.16	1.3	12.0	11.1 - 12.9						
Sysmex XP-300	10	12.00	0.21	1.8	12.0	11.1 - 12.9						

SYSMEX HEMATOLOGY W/ AUTOMATED DIFFERENTIAL–HEMATOCRIT (percent)

	Specimen SYX-11						Specimen SYX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	54	16.87	0.49	2.9	16.8	15.8 - 17.9	54	32.21	1.04	3.2	32.0	30.2 - 34.2
All Sysmex Instruments	54	16.87	0.49	2.9	16.8	15.8 - 17.9	54	32.21	1.04	3.2	32.0	30.2 - 34.2
Sysmex KX-21N & K-800, 1000, 4500	28	16.68	0.38	2.3	16.7	15.6 - 17.7	28	31.76	0.57	1.8	31.8	29.8 - 33.7
Sysmex pocH-100i	15	17.41	0.33	1.9	17.5	16.3 - 18.5	15	33.56	0.73	2.2	33.3	31.5 - 35.6
Sysmex XP-300	11	16.62	0.29	1.8	16.7	15.6 - 17.7	11	31.50	0.42	1.3	31.5	29.6 - 33.4

	Specimen SYX-13						Specimen SYX-14					
All Method	53	52.17	1.26	2.4	52.1	49.0 - 55.3	54	16.87	0.54	3.2	16.7	15.8 - 17.9
All Sysmex Instruments	53	52.17	1.26	2.4	52.1	49.0 - 55.3	54	16.87	0.54	3.2	16.7	15.8 - 17.9
Sysmex KX-21N & K-800, 1000, 4500	28	51.83	0.85	1.6	52.0	48.7 - 55.0	28	16.61	0.28	1.7	16.7	15.6 - 17.7
Sysmex pocH-100i	15	53.43	1.19	2.2	53.4	50.2 - 56.7	15	17.58	0.39	2.2	17.5	16.5 - 18.7
Sysmex XP-300	10	51.22	0.90	1.8	51.4	48.1 - 54.3	11	16.55	0.29	1.8	16.6	15.5 - 17.6

	Specimen SYX-15					
All Method	53	32.24	1.04	3.2	32.0	30.3 - 34.2
All Sysmex Instruments	53	32.24	1.04	3.2	32.0	30.3 - 34.2
Sysmex KX-21N & K-800, 1000, 4500	28	31.77	0.47	1.5	31.9	29.8 - 33.7
Sysmex pocH-100i	15	33.57	0.73	2.2	33.6	31.5 - 35.6
Sysmex XP-300	10	31.54	0.74	2.3	31.7	29.6 - 33.5

SYSMEX HEMATOLOGY W/ AUTOMATED DIFFERENTIAL–PLATELET COUNT (x10^9/L)

	Specimen SYX-11						Specimen SYX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	54	64.1	4.1	6.3	64	48 - 81	54	197.6	10.1	5.1	199	148 - 247
All Sysmex Instruments	54	64.1	4.1	6.3	64	48 - 81	54	197.6	10.1	5.1	199	148 - 247
Sysmex KX-21N & K-800, 1000, 4500	28	64.5	4.0	6.2	65	48 - 81	28	199.9	6.6	3.3	200	149 - 250
Sysmex pocH-100i	15	63.1	4.0	6.3	63	47 - 79	15	187.5	10.0	5.3	188	140 - 235
Sysmex XP-300	11	64.5	4.5	6.9	65	48 - 81	11	205.6	6.8	3.3	203	154 - 258
	Specimen SYX-13						**Specimen SYX-14**					
All Method	53	385.7	20.2	5.2	391	289 - 483	54	64.4	4.0	6.3	64	48 - 81
All Sysmex Instruments	53	385.7	20.2	5.2	391	289 - 483	54	64.4	4.0	6.3	64	48 - 81
Sysmex KX-21N & K-800, 1000, 4500	28	392.8	8.9	2.3	392	294 - 491	28	64.1	3.6	5.6	64	48 - 81
Sysmex pocH-100i	15	360.9	17.1	4.7	365	270 - 452	14	61.9	2.5	4.1	62	46 - 78
Sysmex XP-300	11	385.5	59.7	15.5	405	289 - 482	11	67.2	3.4	5.0	68	50 - 84
	Specimen SYX-15											
All Method	53	197.5	9.5	4.8	198	148 - 247						
All Sysmex Instruments	53	197.5	9.5	4.8	198	148 - 247						
Sysmex KX-21N & K-800, 1000, 4500	28	199.2	5.9	3.0	198	149 - 250						
Sysmex pocH-100i	15	188.5	9.9	5.2	188	141 - 236						
Sysmex XP-300	11	223.6	58.5	26.1	204	167 - 280						

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

	Specimen SYX-11						Specimen SYX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	50	9.67	2.26	23.3	9.0	2.9 - 16.5	50	31.03	0.90	2.9	31.2	28.3 - 33.8
All Sysmex Instruments	50	9.67	2.26	23.3	9.0	2.9 - 16.5	50	31.03	0.90	2.9	31.2	28.3 - 33.8
Sysmex KX-21N & K-800, 1000, 4500	26	10.56	2.02	19.1	10.3	4.5 - 16.7	25	31.12	0.77	2.5	31.3	28.8 - 33.5
Sysmex pocH-100i	14	8.21	1.85	22.6	7.9	2.6 - 13.8	14	31.04	0.81	2.6	30.9	28.6 - 33.5
Sysmex XP-300	10	9.42	2.39	25.4	8.4	2.2 - 16.7	11	30.80	1.26	4.1	30.7	27.0 - 34.6
	Specimen SYX-13						**Specimen SYX-14**					
All Method	50	62.90	0.74	1.2	63.0	60.6 - 65.2	51	10.08	1.95	19.3	9.9	4.2 - 16.0
All Sysmex Instruments	50	62.90	0.74	1.2	63.0	60.6 - 65.2	51	10.08	1.95	19.3	9.9	4.2 - 16.0
Sysmex KX-21N & K-800, 1000, 4500	26	62.74	0.80	1.3	62.8	60.3 - 65.2	26	10.15	1.85	18.3	10.2	4.5 - 15.8
Sysmex pocH-100i	14	63.16	0.50	0.8	63.2	61.6 - 64.7	14	9.00	1.39	15.4	8.9	4.8 - 13.2
Sysmex XP-300	10	62.97	0.83	1.3	63.2	60.4 - 65.5	11	11.30	2.15	19.0	10.9	4.8 - 17.8
	Specimen SYX-15											
All Method	50	31.37	0.97	3.1	31.2	28.4 - 34.3						
All Sysmex Instruments	50	31.37	0.97	3.1	31.2	28.4 - 34.3						
Sysmex KX-21N & K-800, 1000, 4500	26	31.47	1.00	3.2	31.5	28.4 - 34.5						
Sysmex pocH-100i	14	31.12	0.88	2.8	30.9	28.4 - 33.8						
Sysmex XP-300	10	31.47	1.06	3.4	31.6	28.3 - 34.7						

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

	Specimen SYX-11						Specimen SYX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	50	19.56	2.33	11.9	19.8	12.5 - 26.6	50	14.81	1.18	8.0	14.8	11.2 - 18.4
All Sysmex Instruments	50	19.56	2.33	11.9	19.8	12.5 - 26.6	50	14.81	1.18	8.0	14.8	11.2 - 18.4
Sysmex KX-21N & K-800, 1000, 4500	26	19.48	2.61	13.4	19.9	11.6 - 27.4	26	15.08	1.21	8.0	15.0	11.4 - 18.8
Sysmex pocH-100i	14	19.59	1.83	9.3	19.7	14.1 - 25.1	14	14.29	1.04	7.3	14.2	11.1 - 17.4
Sysmex XP-300	10	19.71	2.39	12.1	19.1	12.5 - 26.9	10	14.86	1.16	7.8	14.9	11.3 - 18.4
	Specimen SYX-13						**Specimen SYX-14**					
All Method	50	13.07	0.90	6.9	13.1	10.3 - 15.8	50	19.55	2.27	11.6	19.3	12.7 - 26.4
All Sysmex Instruments	50	13.07	0.90	6.9	13.1	10.3 - 15.8	50	19.55	2.27	11.6	19.3	12.7 - 26.4
Sysmex KX-21N & K-800, 1000, 4500	26	13.35	0.87	6.5	13.4	10.7 - 16.0	26	20.36	2.07	10.2	20.2	14.1 - 26.6
Sysmex pocH-100i	14	12.54	0.66	5.3	12.6	10.5 - 14.6	14	17.86	1.73	9.7	18.1	12.6 - 23.1
Sysmex XP-300	10	13.10	1.00	7.6	12.9	10.1 - 16.1	10	19.82	2.31	11.7	20.1	12.8 - 26.8
	Specimen SYX-15											
All Method	50	14.74	1.10	7.5	14.6	11.4 - 18.1						
All Sysmex Instruments	50	14.74	1.10	7.5	14.6	11.4 - 18.1						
Sysmex KX-21N & K-800, 1000, 4500	26	15.06	1.04	6.9	15.1	11.9 - 18.2						
Sysmex pocH-100i	14	13.96	0.93	6.6	14.1	11.1 - 16.8						
Sysmex XP-300	10	14.99	1.01	6.8	15.0	11.9 - 18.1						

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

	Specimen SYX-11						Specimen SYX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	50	70.61	1.98	2.8	70.7	64.6 - 76.6	50	54.24	1.09	2.0	54.3	50.9 - 57.6
All Sysmex Instruments	50	70.61	1.98	2.8	70.7	64.6 - 76.6	50	54.24	1.09	2.0	54.3	50.9 - 57.6
Sysmex KX-21N & K-800, 1000, 4500	26	70.01	1.55	2.2	69.6	65.3 - 74.7	26	53.94	1.27	2.4	54.1	50.1 - 57.8
Sysmex pocH-100i	14	72.17	1.59	2.2	71.8	67.4 - 77.0	14	54.67	0.81	1.5	54.4	52.2 - 57.1
Sysmex XP-300	10	70.01	2.41	3.4	70.5	62.7 - 77.3	10	54.42	0.67	1.2	54.3	52.4 - 56.5
	Specimen SYX-13						**Specimen SYX-14**					
All Method	50	24.07	0.69	2.9	24.0	22.0 - 26.2	50	70.38	2.33	3.3	70.2	63.4 - 77.4
All Sysmex Instruments	50	24.07	0.69	2.9	24.0	22.0 - 26.2	50	70.38	2.33	3.3	70.2	63.4 - 77.4
Sysmex KX-21N & K - 800,1000,4500	26	23.91	0.71	3.0	23.9	21.7 - 26.1	26	69.48	1.38	2.0	69.5	65.3 - 73.7
	14	24.31	0.66	2.7	24.5	22.3 - 26.3	14	73.14	1.75	2.4	73.3	67.8 - 78.4
Sysmex pocH-100i	10	24.18	0.64	2.7	24.1	22.2 - 26.2	10	68.84	1.72	2.5	68.7	63.6 - 74.0
	Specimen SYX-15											
All Method	50	53.92	1.08	2.0	53.9	50.6 - 57.2						
All Sysmex Instruments	50	53.92	1.08	2.0	53.9	50.6 - 57.2						
	25	53.35	0.72	1.4	53.1	51.1 - 55.6						
Sysmex KX-21N & K - 800,1000,4500	14	54.92	0.89	1.6	55.1	52.2 - 57.6						
Sysmex pocH-100i	10	53.71	0.79	1.5	53.9	51.3 - 56.1						

BASIC HEMATOLOGY W/ 3-PART DIFFERENTIAL–WHITE BLOOD CELL COUNT (x 10^9/L)

	Specimen HD-11						Specimen HD-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	733	2.16	0.14	6.7	2.1	1.8 - 2.5	727	7.88	0.33	4.2	7.9	6.6 - 9.1
All Abbott Cell-Dyn Instruments	256	2.13	0.13	6.3	2.1	1.8 - 2.5	252	7.74	0.32	4.1	7.7	6.5 - 8.9
All ABX Instruments	121	2.08	0.07	3.5	2.1	1.7 - 2.4	120	7.62	0.18	2.3	7.6	6.4 - 8.8
All COULTER Instruments	230	2.27	0.12	5.4	2.3	1.9 - 2.7	228	8.16	0.22	2.6	8.2	6.9 - 9.4
All Danam/Drew Scientific Instruments	11	2.15	0.14	6.4	2.2	1.8 - 2.5	11	7.66	0.23	3.0	7.7	6.5 - 8.9
Abbott Cell-Dyn 1700	25	2.18	0.09	4.0	2.2	1.8 - 2.6	26	7.78	0.34	4.4	7.8	6.6 - 9.0
Abbott Cell-Dyn 1800	111	2.08	0.10	4.8	2.1	1.7 - 2.4	110	7.71	0.31	4.0	7.7	6.5 - 8.9
Abbott Cell-Dyn Emerald	112	2.16	0.12	5.5	2.1	1.8 - 2.5	113	7.73	0.30	3.9	7.7	6.5 - 8.9
ABX Diagnostics Micros/45/60	119	2.07	0.07	3.3	2.1	1.7 - 2.4	120	7.62	0.18	2.3	7.6	6.4 - 8.8
Boule Medonic CA 620	12	2.21	0.14	6.2	2.2	1.8 - 2.6	12	8.11	0.19	2.3	8.1	6.8 - 9.4
Boule Medonic M series	90	2.05	0.10	4.8	2.0	1.7 - 2.4	90	7.88	0.24	3.0	7.9	6.6 - 9.1
COULTER AcT diff/diff 2	220	2.27	0.12	5.5	2.3	1.9 - 2.7	218	8.16	0.22	2.7	8.2	6.9 - 9.4
Drew Scientific D3	11	2.15	0.14	6.4	2.2	1.8 - 2.5	11	7.66	0.23	3.0	7.7	6.5 - 8.9
	Specimen HD-13						**Specimen HD-14**					
All Method	733	21.27	1.39	6.5	21.2	18.0 - 24.5	728	2.21	0.17	7.6	2.2	1.8 - 2.6
All Abbott Cell-Dyn Instruments	256	20.45	1.33	6.5	20.5	17.3 - 23.6	252	2.18	0.13	6.1	2.2	1.8 - 2.6
All ABX Instruments	120	20.87	0.79	3.8	20.8	17.7 - 24.1	120	2.07	0.08	3.8	2.1	1.7 - 2.4
All COULTER Instruments	227	22.42	0.96	4.3	22.4	19.0 - 25.8	228	2.36	0.13	5.3	2.3	2.0 - 2.8
All Danam/Drew Scientific Instruments	11	19.67	0.65	3.3	19.9	16.7 - 22.7	11	2.17	0.13	5.9	2.2	1.8 - 2.5
Abbott Cell-Dyn 1700	26	20.18	1.13	5.6	20.4	17.1 - 23.3	26	2.24	0.12	5.4	2.2	1.9 - 2.6
Abbott Cell-Dyn 1800	111	21.36	1.01	4.7	21.3	18.1 - 24.6	113	2.13	0.11	5.1	2.1	1.8 - 2.5
Abbott Cell-Dyn Emerald	114	19.55	0.89	4.5	19.4	16.6 - 22.5	114	2.22	0.17	7.5	2.2	1.8 - 2.6
ABX Diagnostics Micros/45/60	119	20.86	0.77	3.7	20.8	17.7 - 24.0	120	2.07	0.08	3.8	2.1	1.7 - 2.4
Boule Medonic CA 620	12	21.08	0.62	3.0	20.9	17.9 - 24.3	12	2.19	0.12	5.7	2.2	1.8 - 2.6
Boule Medonic M series	88	21.19	0.86	4.1	21.1	18.0 - 24.4	86	2.05	0.09	4.2	2.0	1.7 - 2.4
COULTER AcT diff/diff 2	217	22.44	0.96	4.3	22.5	19.0 - 25.9	218	2.36	0.13	5.3	2.4	2.0 - 2.8
Drew Scientific D3	11	19.67	0.65	3.3	19.9	16.7 - 22.7	11	2.17	0.13	5.9	2.2	1.8 - 2.5

BASIC HEMATOLOGY W/ 3-PART DIFFERENTIAL–WHITE BLOOD CELL COUNT (x 10^9/L) cont'd

Specimen HD-15

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	730	7.89	0.36	4.5	7.9	6.7 - 9.1
All Abbott Cell-Dyn Instruments	254	7.72	0.32	4.2	7.7	6.5 - 8.9
All ABX Instruments	120	7.61	0.18	2.4	7.6	6.4 - 8.8
All COULTER Instruments	226	8.20	0.21	2.6	8.2	6.9 - 9.5
All Danam/Drew Scientific Instruments	11	7.64	0.34	4.4	7.7	6.4 - 8.8
Abbott Cell-Dyn 1700	26	7.78	0.38	4.9	7.8	6.6 - 9.0
Abbott Cell-Dyn 1800	112	7.72	0.31	4.0	7.7	6.5 - 8.9
Abbott Cell-Dyn Emerald	114	7.71	0.32	4.2	7.7	6.5 - 8.9
ABX Diagnostics Micros/45/60	120	7.61	0.18	2.4	7.6	6.4 - 8.8
Boule Medonic CA 620	12	8.26	0.22	2.7	8.3	7.0 - 9.5
Boule Medonic M series	89	7.89	0.19	2.4	7.9	6.7 - 9.1
COULTER AcT diff/diff 2	216	8.21	0.22	2.6	8.2	6.9 - 9.5
Drew Scientific D3	11	7.64	0.34	4.4	7.7	6.4 - 8.8

BASIC HEMATOLOGY W/ 3-PART DIFFERENTIAL–RED BLOOD CELL COUNT (x 10^{12}/L)

	Specimen HD-11						**Specimen HD-12**					
Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	729	2.255	0.081	3.6	2.25	2.12 - 2.40	725	4.515	0.126	2.8	4.52	4.24 - 4.79
All Abbott Cell-Dyn Instruments	257	2.279	0.109	4.8	2.29	2.14 - 2.42	256	4.468	0.161	3.6	4.47	4.19 - 4.74
All ABX Instruments	122	2.224	0.047	2.1	2.23	2.09 - 2.36	121	4.520	0.081	1.8	4.52	4.24 - 4.80
All COULTER Instruments	226	2.259	0.060	2.6	2.25	2.12 - 2.40	226	4.550	0.105	2.3	4.55	4.27 - 4.83
All Danam/Drew Scientific Instruments	11	2.238	0.067	3.0	2.25	2.10 - 2.38	11	4.455	0.149	3.3	4.47	4.18 - 4.73
Abbott Cell-Dyn 1700	26	2.344	0.054	2.3	2.33	2.20 - 2.49	25	4.617	0.118	2.6	4.63	4.33 - 4.90
Abbott Cell-Dyn 1800	110	2.365	0.060	2.5	2.37	2.22 - 2.51	109	4.558	0.110	2.4	4.55	4.28 - 4.84
Abbott Cell-Dyn Emerald	117	2.186	0.069	3.2	2.19	2.05 - 2.32	116	4.363	0.114	2.6	4.36	4.10 - 4.63
ABX Diagnostics Micros/45/60	121	2.224	0.047	2.1	2.23	2.09 - 2.36	120	4.519	0.081	1.8	4.52	4.24 - 4.79
Boule Medonic CA 620	12	2.234	0.034	1.5	2.23	2.10 - 2.37	12	4.529	0.074	1.6	4.50	4.25 - 4.81
Boule Medonic M series	89	2.228	0.040	1.8	2.22	2.09 - 2.37	90	4.544	0.080	1.8	4.54	4.27 - 4.82
COULTER AcT diff/diff 2	216	2.261	0.060	2.6	2.25	2.12 - 2.40	216	4.553	0.106	2.3	4.55	4.27 - 4.83
Drew Scientific D3	11	2.238	0.067	3.0	2.25	2.10 - 2.38	11	4.455	0.149	3.3	4.47	4.18 - 4.73

BASIC HEMATOLOGY W/ 3-PART DIFFERENTIAL–RED BLOOD CELL COUNT (x 10^{12}/L) cont'd

	Specimen HD-13						Specimen HD-14					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	724	6.075	0.193	3.2	6.10	5.71 - 6.44	729	2.253	0.078	3.5	2.25	2.11 - 2.39
All Abbott Cell-Dyn Instruments	255	5.923	0.187	3.2	5.92	5.56 - 6.28	258	2.274	0.103	4.5	2.27	2.13 - 2.42
All ABX Instruments	121	6.155	0.121	2.0	6.17	5.78 - 6.53	121	2.220	0.051	2.3	2.22	2.08 - 2.36
All COULTER Instruments	225	6.158	0.148	2.4	6.16	5.78 - 6.53	227	2.261	0.057	2.5	2.26	2.12 - 2.40
All Danam/Drew Scientific Instruments	10	6.066	0.207	3.4	6.01	5.70 - 6.43	10	2.250	0.072	3.2	2.24	2.11 - 2.39
Abbott Cell-Dyn 1700	26	6.137	0.169	2.7	6.14	5.76 - 6.51	25	2.330	0.062	2.7	2.33	2.19 - 2.47
Abbott Cell-Dyn 1800	110	5.976	0.144	2.4	5.98	5.61 - 6.34	112	2.356	0.064	2.7	2.35	2.21 - 2.50
Abbott Cell-Dyn Emerald	116	5.825	0.162	2.8	5.85	5.47 - 6.18	117	2.186	0.057	2.6	2.19	2.05 - 2.32
ABX Diagnostics Micros/45/60	120	6.154	0.121	2.0	6.17	5.78 - 6.53	120	2.219	0.050	2.2	2.22	2.08 - 2.36
Boule Medonic CA 620	12	6.063	0.129	2.1	6.05	5.69 - 6.43	12	2.204	0.022	1.0	2.20	2.07 - 2.34
Boule Medonic M series	89	6.192	0.121	2.0	6.21	5.82 - 6.57	89	2.226	0.046	2.1	2.23	2.09 - 2.36
COULTER AcT diff/diff 2	215	6.157	0.146	2.4	6.16	5.78 - 6.53	217	2.263	0.056	2.5	2.26	2.12 - 2.40
Drew Scientific D3	10	6.066	0.207	3.4	6.01	5.70 - 6.43	10	2.250	0.072	3.2	2.24	2.11 - 2.39

	Specimen HD-15					
All Method	723	4.512	0.117	2.6	4.52	4.24 - 4.79
All Abbott Cell-Dyn Instruments	256	4.465	0.145	3.2	4.47	4.19 - 4.74
All ABX Instruments	121	4.516	0.084	1.9	4.52	4.24 - 4.79
All COULTER Instruments	224	4.543	0.097	2.1	4.54	4.27 - 4.82
All Danam/Drew Scientific Instruments	11	4.500	0.127	2.8	4.49	4.23 - 4.77
Abbott Cell-Dyn 1700	25	4.592	0.109	2.4	4.62	4.31 - 4.87
Abbott Cell-Dyn 1800	112	4.540	0.106	2.3	4.55	4.26 - 4.82
Abbott Cell-Dyn Emerald	116	4.366	0.116	2.6	4.37	4.10 - 4.63
ABX Diagnostics Micros/45/60	120	4.515	0.083	1.8	4.52	4.24 - 4.79
Boule Medonic CA 620	12	4.544	0.074	1.6	4.57	4.27 - 4.82
Boule Medonic M series	89	4.544	0.082	1.8	4.54	4.27 - 4.82
COULTER AcT diff/diff 2	214	4.544	0.098	2.2	4.55	4.27 - 4.82
Drew Scientific D3	11	4.500	0.127	2.8	4.49	4.23 - 4.77

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

	Specimen HD-11						Specimen HD-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	733	5.93	0.16	2.8	5.9	5.5 - 6.4	730	13.48	0.27	2.0	13.5	12.5 - 14.5
All Abbott Cell-Dyn Instruments	257	6.01	0.17	2.9	6.0	5.5 - 6.5	254	13.65	0.25	1.8	13.7	12.6 - 14.7
All ABX Instruments	121	5.91	0.11	1.9	5.9	5.4 - 6.4	121	13.42	0.21	1.6	13.4	12.4 - 14.4
All COULTER Instruments	223	5.85	0.14	2.3	5.8	5.4 - 6.3	225	13.36	0.25	1.9	13.4	12.4 - 14.3
All Danam/Drew Scientific Instruments	11	5.97	0.15	2.5	6.0	5.5 - 6.4	11	13.45	0.30	2.2	13.5	12.5 - 14.4
Abbott Cell-Dyn 1700	26	6.16	0.20	3.2	6.2	5.7 - 6.6	25	13.76	0.26	1.9	13.7	12.7 - 14.8
Abbott Cell-Dyn 1800	111	6.06	0.15	2.4	6.1	5.6 - 6.5	110	13.68	0.25	1.9	13.7	12.7 - 14.7
Abbott Cell-Dyn Emerald	118	5.92	0.15	2.5	5.9	5.5 - 6.4	117	13.61	0.24	1.7	13.6	12.6 - 14.6
ABX Diagnostics Micros/45/60	120	5.91	0.12	2.0	5.9	5.4 - 6.4	120	13.43	0.21	1.6	13.4	12.4 - 14.4
Boule Medonic CA 620	12	5.84	0.14	2.5	5.9	5.4 - 6.3	12	13.17	0.21	1.6	13.2	12.2 - 14.1
Boule Medonic M series	88	5.95	0.10	1.7	5.9	5.5 - 6.4	90	13.42	0.18	1.3	13.5	12.4 - 14.4
COULTER AcT diff/diff 2	213	5.84	0.14	2.3	5.8	5.4 - 6.3	215	13.36	0.25	1.9	13.4	12.4 - 14.3
Drew Scientific D3	11	5.97	0.15	2.5	6.0	5.5 - 6.4	11	13.45	0.30	2.2	13.5	12.5 - 14.4

	Specimen HD-13						Specimen HD-14					
All Method	729	20.13	0.45	2.2	20.1	18.7 - 21.6	726	5.95	0.16	2.7	5.9	5.5 - 6.4
All Abbott Cell-Dyn Instruments	254	20.44	0.36	1.8	20.4	19.0 - 21.9	258	6.05	0.18	3.0	6.0	5.6 - 6.5
All ABX Instruments	121	19.91	0.31	1.6	19.9	18.5 - 21.3	119	5.93	0.11	1.8	5.9	5.5 - 6.4
All COULTER Instruments	227	19.96	0.39	2.0	20.0	18.5 - 21.4	225	5.87	0.13	2.2	5.9	5.4 - 6.3
All Danam/Drew Scientific Instruments	11	20.06	0.49	2.4	20.0	18.6 - 21.5	11	5.94	0.22	3.7	6.0	5.5 - 6.4
Abbott Cell-Dyn 1700	26	20.33	0.40	2.0	20.3	18.9 - 21.8	26	6.22	0.17	2.7	6.2	5.7 - 6.7
Abbott Cell-Dyn 1800	109	20.51	0.38	1.9	20.4	19.0 - 22.0	113	6.12	0.15	2.5	6.1	5.6 - 6.6
Abbott Cell-Dyn Emerald	118	20.41	0.34	1.7	20.4	18.9 - 21.9	117	5.94	0.13	2.2	5.9	5.5 - 6.4
ABX Diagnostics Micros/45/60	120	19.91	0.31	1.5	19.9	18.5 - 21.4	118	5.93	0.11	1.8	5.9	5.5 - 6.4
Boule Medonic CA 620	12	19.39	0.48	2.5	19.4	18.0 - 20.8	12	5.85	0.14	2.4	5.9	5.4 - 6.3
Boule Medonic M series	87	20.15	0.30	1.5	20.1	18.7 - 21.6	89	5.95	0.10	1.7	6.0	5.5 - 6.4
COULTER AcT diff/diff 2	217	19.96	0.39	2.0	20.0	18.5 - 21.4	215	5.87	0.13	2.2	5.9	5.4 - 6.3
Drew Scientific D3	11	20.06	0.49	2.4	20.0	18.6 - 21.5	11	5.94	0.22	3.7	6.0	5.5 - 6.4

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

Specimen HD-15

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	730	13.48	0.27	2.0	13.5	12.5 - 14.5
All Abbott Cell-Dyn Instruments	255	13.64	0.26	1.9	13.6	12.6 - 14.6
All ABX Instruments	121	13.44	0.20	1.5	13.4	12.5 - 14.4
All COULTER Instruments	224	13.37	0.24	1.8	13.4	12.4 - 14.4
All Danam/Drew Scientific Instruments	11	13.47	0.29	2.1	13.4	12.5 - 14.5
Abbott Cell-Dyn 1700	26	13.66	0.33	2.4	13.7	12.7 - 14.7
Abbott Cell-Dyn 1800	111	13.70	0.27	2.0	13.7	12.7 - 14.7
Abbott Cell-Dyn Emerald	117	13.58	0.24	1.8	13.6	12.6 - 14.6
ABX Diagnostics Micros/45/60	120	13.44	0.20	1.5	13.4	12.4 - 14.4
Boule Medonic CA 620	12	13.20	0.21	1.6	13.2	12.2 - 14.2
Boule Medonic M series	89	13.44	0.19	1.4	13.4	12.4 - 14.4
COULTER AcT diff/diff 2	214	13.37	0.24	1.8	13.4	12.4 - 14.4
Drew Scientific D3	11	13.47	0.29	2.1	13.4	12.5 - 14.5

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

	Specimen HD-11						**Specimen HD-12**					
Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	733	16.89	1.01	6.0	16.9	15.8 - 17.9	731	38.11	1.60	4.2	38.1	35.8 - 40.4
All Abbott Cell-Dyn Instruments	256	17.80	0.64	3.6	17.8	16.7 - 18.9	252	39.43	1.13	2.9	39.4	37.0 - 41.8
All ABX Instruments	121	15.85	0.38	2.4	15.9	14.9 - 16.9	121	37.13	0.80	2.2	37.2	34.9 - 39.4
All COULTER Instruments	226	16.95	0.47	2.8	16.9	15.9 - 18.0	229	38.15	0.99	2.6	38.1	35.8 - 40.5
All Danam/Drew Scientific Instruments	11	17.41	0.54	3.1	17.6	16.3 - 18.5	11	38.75	1.40	3.6	38.9	36.4 - 41.1
Abbott Cell-Dyn 1700	25	17.46	0.53	3.0	17.5	16.4 - 18.6	25	38.80	1.20	3.1	39.1	36.4 - 41.2
Abbott Cell-Dyn 1800	110	18.18	0.51	2.8	18.3	17.0 - 19.3	108	39.74	1.11	2.8	39.7	37.3 - 42.2
Abbott Cell-Dyn Emerald	117	17.54	0.57	3.2	17.6	16.4 - 18.6	116	39.25	1.05	2.7	39.4	36.8 - 41.7
ABX Diagnostics Micros/45/60	121	15.85	0.38	2.4	15.9	14.9 - 16.9	120	37.11	0.79	2.1	37.2	34.8 - 39.4
Boule Medonic CA 620	12	15.38	0.35	2.2	15.4	14.4 - 16.4	12	35.30	0.87	2.5	35.3	33.1 - 37.5
Boule Medonic M series	88	15.59	0.51	3.3	15.6	14.6 - 16.6	90	36.05	1.13	3.1	36.0	33.8 - 38.3
COULTER AcT diff/diff 2	216	16.97	0.47	2.8	16.9	15.9 - 18.0	219	38.15	1.00	2.6	38.1	35.8 - 40.5
Drew Scientific D3	11	17.41	0.54	3.1	17.6	16.3 - 18.5	11	38.75	1.40	3.6	38.9	36.4 - 41.1

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

	Specimen HD-13						Specimen HD-14					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	729	56.35	1.85	3.3	56.4	52.9 - 59.8	734	16.86	1.00	5.9	17.0	15.8 - 17.9
All Abbott Cell-Dyn Instruments	256	57.30	1.69	2.9	57.3	53.8 - 60.8	256	17.78	0.57	3.2	17.7	16.7 - 18.9
All ABX Instruments	123	55.93	1.31	2.3	56.1	52.5 - 59.3	120	15.80	0.39	2.5	15.8	14.8 - 16.8
All COULTER Instruments	227	56.29	1.44	2.6	56.3	52.9 - 59.7	228	16.96	0.44	2.6	17.0	15.9 - 18.0
All Danam/Drew Scientific Instruments	10	57.39	1.96	3.4	56.7	53.9 - 60.9	11	17.53	0.51	2.9	17.5	16.4 - 18.6
Abbott Cell-Dyn 1700	25	56.64	1.61	2.8	56.6	53.2 - 60.1	24	17.43	0.53	3.1	17.5	16.3 - 18.5
Abbott Cell-Dyn 1800	109	57.38	1.51	2.6	57.4	53.9 - 60.9	112	18.08	0.54	3.0	18.0	16.9 - 19.2
Abbott Cell-Dyn Emerald	118	57.39	1.76	3.1	57.6	53.9 - 60.9	115	17.57	0.43	2.5	17.6	16.5 - 18.7
ABX Diagnostics Micros/45/60	122	55.91	1.31	2.3	56.1	52.5 - 59.3	119	15.79	0.37	2.4	15.8	14.8 - 16.8
Boule Medonic CA 620	12	51.74	1.47	2.8	52.2	48.6 - 54.9	12	15.16	0.38	2.5	15.2	14.2 - 16.1
Boule Medonic M series	89	54.72	1.72	3.1	54.4	51.4 - 58.1	90	15.61	0.55	3.5	15.6	14.6 - 16.6
COULTER AcT diff/diff 2	218	56.27	1.45	2.6	56.3	52.8 - 59.7	218	16.97	0.44	2.6	17.0	15.9 - 18.0
Drew Scientific D3	10	57.39	1.96	3.4	56.7	53.9 - 60.9	11	17.53	0.51	2.9	17.5	16.4 - 18.6

	Specimen HD-15					
All Method	728	38.01	1.58	4.2	38.0	35.7 - 40.3
All Abbott Cell-Dyn Instruments	251	39.30	1.11	2.8	39.4	36.9 - 41.7
All ABX Instruments	122	37.04	0.82	2.2	37.1	34.8 - 39.3
All COULTER Instruments	226	38.02	0.89	2.3	38.0	35.7 - 40.4
All Danam/Drew Scientific Instruments	11	39.15	1.19	3.1	39.2	36.7 - 41.5
Abbott Cell-Dyn 1700	24	38.33	1.55	4.0	38.5	36.0 - 40.7
Abbott Cell-Dyn 1800	111	39.46	1.07	2.7	39.5	37.0 - 41.9
Abbott Cell-Dyn Emerald	114	39.34	1.05	2.7	39.4	36.9 - 41.8
ABX Diagnostics Micros/45/60	121	37.02	0.80	2.2	37.1	34.8 - 39.3
Boule Medonic CA 620	12	35.29	0.85	2.4	35.4	33.1 - 37.5
Boule Medonic M series	89	35.94	1.14	3.2	35.8	33.7 - 38.1
COULTER AcT diff/diff 2	216	38.02	0.90	2.4	38.0	35.7 - 40.4
Drew Scientific D3	11	39.15	1.19	3.1	39.2	36.7 - 41.5

BASIC HEMATOLOGY W/ 3-PART DIFFERENTIAL–PLATELET COUNT (x 10^9/L)

	Specimen HD-11						Specimen HD-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	720	67.6	7.9	11.8	66	50 - 85	729	259.5	17.3	6.7	260	194 - 325
All Abbott Cell-Dyn Instruments	249	68.2	9.1	13.3	66	51 - 86	256	268.8	16.2	6.0	267	201 - 336
All ABX Instruments	120	74.9	6.2	8.2	75	56 - 94	122	266.7	11.9	4.5	267	200 - 334
All COULTER Instruments	229	64.5	5.4	8.3	64	48 - 81	227	254.0	12.0	4.7	253	190 - 318
All Danam/Drew Scientific Instruments	11	75.2	8.6	11.4	78	56 - 94	11	268.4	11.2	4.2	272	201 - 336
Abbott Cell-Dyn 1700	26	64.0	6.4	10.0	63	48 - 80	26	265.2	19.8	7.5	262	198 - 332
Abbott Cell-Dyn 1800	112	65.3	4.7	7.2	65	48 - 82	110	267.8	14.0	5.2	266	200 - 335
Abbott Cell-Dyn Emerald	115	74.1	13.6	18.4	72	55 - 93	118	270.2	16.9	6.3	268	202 - 338
ABX Diagnostics Micros/45/60	119	74.9	6.2	8.3	74	56 - 94	121	266.7	12.0	4.5	267	199 - 334
Boule Medonic CA 620	12	65.5	5.3	8.1	64	49 - 82	12	242.4	9.8	4.1	244	181 - 304
Boule Medonic M series	88	63.2	4.8	7.5	63	47 - 79	90	238.4	12.2	5.1	239	178 - 298
COULTER AcT diff/diff 2	219	64.7	5.4	8.3	64	48 - 81	217	254.2	12.0	4.7	253	190 - 318
Drew Scientific D3	11	75.2	8.6	11.4	78	56 - 94	11	268.4	11.2	4.2	272	201 - 336

	Specimen HD-13						Specimen HD-14					
All Method	729	579.2	38.8	6.7	575	434 - 725	706	68.6	7.7	11.2	67	51 - 86
All Abbott Cell-Dyn Instruments	259	604.7	45.5	7.5	600	453 - 756	250	71.9	10.5	14.7	69	53 - 90
All ABX Instruments	122	567.3	22.3	3.9	569	425 - 710	118	75.3	6.4	8.4	75	56 - 95
All COULTER Instruments	225	576.6	24.5	4.3	575	432 - 721	227	65.2	4.9	7.6	65	48 - 82
All Danam/Drew Scientific Instruments	11	580.1	27.5	4.7	574	435 - 726	11	74.5	6.8	9.1	72	55 - 94
Abbott Cell-Dyn 1700	26	619.3	43.0	6.9	618	464 - 775	26	65.2	7.1	10.8	64	48 - 82
Abbott Cell-Dyn 1800	111	633.3	34.4	5.4	633	474 - 792	111	67.8	4.6	6.8	67	50 - 85
Abbott Cell-Dyn Emerald	119	574.7	33.5	5.8	574	430 - 719	115	79.0	14.1	17.8	76	59 - 99
ABX Diagnostics Micros/45/60	121	567.2	22.3	3.9	568	425 - 709	117	75.4	6.3	8.3	75	56 - 95
Boule Medonic CA 620	12	536.2	20.2	3.8	536	402 - 671	12	66.9	6.9	10.2	65	50 - 84
Boule Medonic M series	90	539.8	25.2	4.7	537	404 - 675	89	62.8	4.4	7.0	63	47 - 79
COULTER AcT diff/diff 2	217	576.5	24.8	4.3	575	432 - 721	217	65.3	4.9	7.6	65	49 - 82
Drew Scientific D3	11	580.1	27.5	4.7	574	435 - 726	11	74.5	6.8	9.1	72	55 - 94

BASIC HEMATOLOGY W/ 3-PART DIFFERENTIAL–PLATELET COUNT (x 10^9/L) cont'd

Specimen HD-15

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	724	257.8	16.9	6.5	258	193 - 323
All Abbott Cell-Dyn Instruments	252	266.8	16.1	6.0	267	200 - 334
All ABX Instruments	123	266.2	13.4	5.0	266	199 - 333
All COULTER Instruments	230	252.1	12.2	4.8	252	189 - 316
All Danam/Drew Scientific Instruments	11	269.4	11.0	4.1	272	202 - 337
Abbott Cell-Dyn 1700	26	264.7	20.4	7.7	270	198 - 331
Abbott Cell-Dyn 1800	111	266.0	15.2	5.7	265	199 - 333
Abbott Cell-Dyn Emerald	111	267.0	14.5	5.4	267	200 - 334
ABX Diagnostics Micros/45/60	122	266.2	13.4	5.0	266	199 - 333
Boule Medonic CA 620	12	242.2	10.7	4.4	242	181 - 303
Boule Medonic M series	90	237.8	12.3	5.2	236	178 - 298
COULTER AcT diff/diff 2	220	252.3	12.0	4.8	252	189 - 316
Drew Scientific D3	11	269.4	11.0	4.1	272	202 - 337

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

	Specimen HD-11						**Specimen HD-12**					
Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	696	54.54	8.49	15.6	56.0	29.0 - 80.1	696	28.90	4.47	15.5	29.7	15.5 - 42.3
All Abbott Cell-Dyn Instruments	243	50.43	4.09	8.1	51.0	38.1 - 62.7	239	26.59	2.72	10.2	27.0	18.4 - 34.8
All ABX Instruments	116	41.62	3.97	9.5	40.9	29.7 - 53.6	117	22.71	2.13	9.4	22.4	16.3 - 29.1
All COULTER Instruments	210	61.73	1.47	2.4	61.7	57.3 - 66.2	210	32.60	0.88	2.7	32.7	29.9 - 35.3
All Danam/Drew Scientific Instruments	11	58.37	1.11	1.9	58.3	55.0 - 61.7	11	29.75	0.98	3.3	29.7	26.8 - 32.8
Abbott Cell-Dyn 1700	24	53.43	1.95	3.6	53.9	47.5 - 59.3	24	28.19	2.09	7.4	28.1	21.9 - 34.5
Abbott Cell-Dyn 1800	104	46.57	2.19	4.7	46.6	39.9 - 53.2	103	24.01	1.22	5.1	23.9	20.3 - 27.7
Abbott Cell-Dyn Emerald	111	53.30	2.36	4.4	53.0	46.2 - 60.4	108	28.71	1.31	4.6	28.7	24.7 - 32.7
ABX Diagnostics Micros/45/60	116	41.62	3.97	9.5	40.9	29.7 - 53.6	117	22.71	2.13	9.4	22.4	16.3 - 29.1
Boule Medonic CA 620	12	64.41	2.59	4.0	64.3	56.6 - 72.2	12	34.94	0.88	2.5	35.2	32.2 - 37.6
Boule Medonic M series	87	63.54	2.02	3.2	63.5	57.4 - 69.7	88	33.41	0.92	2.8	33.3	30.6 - 36.2
COULTER AcT diff/diff 2	208	61.74	1.47	2.4	61.7	57.3 - 66.2	206	32.60	0.84	2.6	32.7	30.0 - 35.2
Drew Scientific D3	11	58.37	1.11	1.9	58.3	55.0 - 61.7	11	29.75	0.98	3.3	29.7	26.8 - 32.8

BASIC HEMATOLOGY W/ 3-PART DIFFERENTIAL–LYMPHOCYTES (percent) cont'd

	Specimen HD-13						Specimen HD-14					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	693	12.65	2.06	16.3	13.0	6.4 - 18.9	698	53.63	8.70	16.2	55.0	27.5 - 79.8
All Abbott Cell-Dyn Instruments	236	11.70	1.83	15.6	11.7	6.2 - 17.2	240	49.43	4.38	8.9	49.9	36.2 - 62.6
All ABX Instruments	118	10.28	0.98	9.5	10.2	7.3 - 13.3	118	40.93	4.55	11.1	40.0	27.2 - 54.6
All COULTER Instruments	212	13.85	0.77	5.6	13.9	11.5 - 16.2	211	60.94	1.65	2.7	60.9	55.9 - 65.9
All Danam/Drew Scientific Instruments	11	13.55	1.51	11.1	13.2	9.0 - 18.1	11	57.02	1.56	2.7	57.4	52.3 - 61.8
Abbott Cell-Dyn 1700	24	11.92	1.11	9.3	11.9	8.5 - 15.3	24	51.76	2.50	4.8	51.6	44.2 - 59.3
Abbott Cell-Dyn 1800	103	10.01	0.51	5.1	10.0	8.4 - 11.6	104	45.23	2.34	5.2	45.5	38.2 - 52.3
Abbott Cell-Dyn Emerald	107	13.29	1.32	9.9	12.8	9.3 - 17.3	109	52.88	2.26	4.3	53.1	46.1 - 59.7
ABX Diagnostics Micros/45/60	117	10.25	0.94	9.2	10.2	7.4 - 13.1	118	40.93	4.55	11.1	40.0	27.2 - 54.6
Boule Medonic CA 620	12	15.29	1.60	10.5	15.4	10.4 - 20.1	12	60.28	5.86	9.7	62.1	42.6 - 77.9
Boule Medonic M series	88	14.90	0.68	4.6	14.8	12.8 - 17.0	88	62.68	2.42	3.9	63.0	55.4 - 70.0
COULTER AcT diff/diff 2	208	13.82	0.75	5.4	13.9	11.5 - 16.1	208	60.94	1.65	2.7	60.9	55.9 - 65.9
Drew Scientific D3	11	13.55	1.51	11.1	13.2	9.0 - 18.1	11	57.02	1.56	2.7	57.4	52.3 - 61.8

	Specimen HD-15					
All Method	693	28.84	4.47	15.5	30.1	15.4 - 42.3
All Abbott Cell-Dyn Instruments	238	26.72	2.67	10.0	27.0	18.7 - 34.8
All ABX Instruments	118	22.49	2.21	9.8	22.3	15.8 - 29.2
All COULTER Instruments	207	32.51	0.91	2.8	32.6	29.7 - 35.3
All Danam/Drew Scientific Instruments	11	30.21	1.29	4.3	30.5	26.3 - 34.1
Abbott Cell-Dyn 1700	23	28.27	1.51	5.3	28.0	23.7 - 32.8
Abbott Cell-Dyn 1800	103	24.13	1.16	4.8	24.1	20.6 - 27.7
Abbott Cell-Dyn Emerald	110	28.78	1.60	5.6	28.7	23.9 - 33.6
ABX Diagnostics Micros/45/60	118	22.49	2.21	9.8	22.3	15.8 - 29.2
Boule Medonic CA 620	11	34.64	0.64	1.8	34.9	32.7 - 36.6
Boule Medonic M series	88	33.32	0.96	2.9	33.4	30.4 - 36.2
COULTER AcT diff/diff 2	204	32.50	0.91	2.8	32.6	29.7 - 35.3
Drew Scientific D3	11	30.21	1.29	4.3	30.5	26.3 - 34.1

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

	Specimen HD-11						Specimen HD-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	682	12.87	6.51	50.6	10.1	0.0 - 32.5	681	8.13	2.77	34.1	7.0	0.0 - 16.5
All Abbott Cell-Dyn Instruments	239	15.61	4.53	29.0	14.9	2.0 - 29.3	239	9.29	3.08	33.1	9.0	0.0 - 18.6
All ABX Instruments	112	22.76	2.79	12.3	23.3	14.3 - 31.2	112	11.33	1.33	11.7	11.6	7.3 - 15.4
All COULTER Instruments	210	7.34	1.43	19.5	7.5	3.0 - 11.7	209	5.88	0.67	11.4	5.9	3.8 - 7.9
All Danam/Drew Scientific Instruments	11	9.74	0.73	7.5	9.4	7.5 - 12.0	11	5.64	0.70	12.4	5.6	3.5 - 7.8
Abbott Cell-Dyn 1700	24	14.55	1.72	11.8	14.7	9.4 - 19.7	24	9.28	0.80	8.6	9.2	6.8 - 11.7
Abbott Cell-Dyn 1800	102	20.29	1.86	9.2	20.3	14.7 - 25.9	100	12.42	0.75	6.0	12.4	10.1 - 14.7
Abbott Cell-Dyn Emerald	110	11.50	1.73	15.1	11.3	6.2 - 16.8	110	6.32	0.92	14.6	6.1	3.5 - 9.1
ABX Diagnostics Micros/45/60	112	22.76	2.79	12.3	23.3	14.3 - 31.2	112	11.33	1.33	11.7	11.6	7.3 - 15.4
Boule Medonic CA 620	12	8.56	1.82	21.2	8.5	3.1 - 14.1	12	8.39	0.89	10.6	8.3	5.7 - 11.1
Boule Medonic M series	87	7.37	1.80	24.4	7.4	1.9 - 12.8	88	6.97	0.88	12.6	7.1	4.3 - 9.7
COULTER AcT diff/diff 2	208	7.34	1.44	19.6	7.5	3.0 - 11.7	207	5.89	0.66	11.2	5.9	3.9 - 7.9
Drew Scientific D3	11	9.74	0.73	7.5	9.4	7.5 - 12.0	11	5.64	0.70	12.4	5.6	3.5 - 7.8

	Specimen HD-13						Specimen HD-14					
All Method	684	4.36	1.26	28.8	4.1	0.5 - 8.2	683	13.13	6.59	50.2	10.3	0.0 - 32.9
All Abbott Cell-Dyn Instruments	239	4.55	1.69	37.2	4.9	0.0 - 9.7	239	15.47	4.44	28.7	14.4	2.1 - 28.8
All ABX Instruments	113	4.27	0.44	10.2	4.3	2.9 - 5.6	112	23.53	3.04	12.9	24.1	14.3 - 32.7
All COULTER Instruments	208	3.74	0.40	10.7	3.7	2.5 - 5.0	210	7.92	1.36	17.2	8.1	3.8 - 12.1
All Danam/Drew Scientific Instruments	11	2.61	0.27	10.5	2.6	1.7 - 3.5	11	9.66	0.93	9.6	9.5	6.8 - 12.5
Abbott Cell-Dyn 1700	23	5.09	0.31	6.1	5.1	4.1 - 6.1	24	13.94	1.49	10.7	14.0	9.4 - 18.4
Abbott Cell-Dyn 1800	102	6.29	0.35	5.6	6.3	5.2 - 7.4	102	20.06	1.71	8.5	20.2	14.9 - 25.2
Abbott Cell-Dyn Emerald	110	2.81	0.34	12.2	2.8	1.7 - 3.9	109	11.70	1.82	15.5	11.4	6.2 - 17.2
ABX Diagnostics Micros/45/60	113	4.27	0.44	10.2	4.3	2.9 - 5.6	112	23.53	3.04	12.9	24.1	14.3 - 32.7
Boule Medonic CA 620	11	7.17	0.40	5.6	7.1	5.9 - 8.4	12	7.91	2.75	34.8	8.5	0.0 - 16.2
Boule Medonic M series	88	5.40	0.54	10.0	5.4	3.7 - 7.1	87	7.27	1.87	25.7	7.0	1.6 - 12.9
COULTER AcT diff/diff 2	206	3.75	0.40	10.6	3.7	2.5 - 5.0	208	7.93	1.36	17.1	8.1	3.8 - 12.1
Drew Scientific D3	11	2.61	0.27	10.5	2.6	1.7 - 3.5	11	9.66	0.93	9.6	9.5	6.8 - 12.5

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

Specimen HD-15

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	681	8.20	2.82	34.4	7.0	0.0 - 16.7
All Abbott Cell-Dyn Instruments	239	9.30	3.00	32.2	9.1	0.3 - 18.3
All ABX Instruments	113	11.52	1.40	12.1	11.6	7.3 - 15.8
All COULTER Instruments	207	5.90	0.66	11.2	5.9	3.9 - 7.9
All Danam/Drew Scientific Instruments	11	5.58	0.47	8.4	5.5	4.1 - 7.0
Abbott Cell-Dyn 1700	24	9.18	0.75	8.1	9.2	6.9 - 11.5
Abbott Cell-Dyn 1800	101	12.49	0.73	5.8	12.5	10.3 - 14.7
Abbott Cell-Dyn Emerald	110	6.39	0.98	15.3	6.2	3.4 - 9.4
ABX Diagnostics Micros/45/60	113	11.52	1.40	12.1	11.6	7.3 - 15.8
Boule Medonic CA 620	12	8.03	1.14	14.1	7.7	4.6 - 11.5
Boule Medonic M series	88	6.91	0.77	11.2	7.0	4.5 - 9.3
COULTER AcT diff/diff 2	205	5.91	0.66	11.1	5.9	3.9 - 7.9
Drew Scientific D3	11	5.58	0.47	8.4	5.5	4.1 - 7.0

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

	Specimen HD-11						**Specimen HD-12**					
Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	684	32.49	2.92	9.0	32.3	23.7 - 41.3	682	62.91	2.53	4.0	62.9	55.3 - 70.5
All Abbott Cell-Dyn Instruments	240	33.95	2.04	6.0	34.1	27.8 - 40.1	235	64.10	1.43	2.2	64.3	59.8 - 68.4
All ABX Instruments	113	35.63	1.90	5.3	35.7	29.9 - 41.4	113	66.02	1.18	1.8	66.0	62.4 - 69.6
All COULTER Instruments	209	30.87	1.49	4.8	30.9	26.3 - 35.4	211	61.54	0.97	1.6	61.5	58.6 - 64.5
All Danam/Drew Scientific Instruments	11	31.92	0.90	2.8	32.3	29.2 - 34.7	11	64.60	1.09	1.7	64.8	61.3 - 67.9
Abbott Cell-Dyn 1700	23	32.02	1.80	5.6	31.7	26.6 - 37.5	22	62.49	1.17	1.9	62.4	58.9 - 66.0
Abbott Cell-Dyn 1800	104	33.06	1.58	4.8	32.8	28.3 - 37.8	101	63.66	0.82	1.3	63.7	61.2 - 66.2
Abbott Cell-Dyn Emerald	111	35.18	1.72	4.9	35.3	30.0 - 40.4	105	65.04	1.13	1.7	65.2	61.6 - 68.5
ABX Diagnostics Micros/45/60	113	35.63	1.90	5.3	35.7	29.9 - 41.4	113	66.02	1.18	1.8	66.0	62.4 - 69.6
Boule Medonic CA 620	12	27.03	2.99	11.0	27.3	18.0 - 36.0	12	56.67	0.88	1.6	56.8	54.0 - 59.4
Boule Medonic M series	87	29.05	1.99	6.8	28.9	23.0 - 35.1	87	59.61	1.22	2.1	59.5	55.9 - 63.3
COULTER AcT diff/diff 2	206	30.90	1.48	4.8	30.9	26.4 - 35.4	208	61.54	0.97	1.6	61.5	58.6 - 64.5
Drew Scientific D3	11	31.92	0.90	2.8	32.3	29.2 - 34.7	11	64.60	1.09	1.7	64.8	61.3 - 67.9

BASIC HEMATOLOGY W/ 3-PART DIFFERENTIAL–GRANULOCYTES/NEUT (percent) cont'd

	Specimen HD-13						Specimen HD-14					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	680	82.97	2.09	2.5	83.2	76.6 - 89.3	683	33.19	3.00	9.1	33.2	24.1 - 42.3
All Abbott Cell-Dyn Instruments	234	83.69	1.26	1.5	83.9	79.9 - 87.5	238	34.97	1.98	5.7	35.2	29.0 - 41.0
All ABX Instruments	114	85.52	0.86	1.0	85.6	82.9 - 88.2	113	35.79	1.94	5.4	36.0	29.9 - 41.7
All COULTER Instruments	209	82.41	0.87	1.1	82.4	79.7 - 85.1	210	31.17	1.63	5.2	31.1	26.2 - 36.1
All Danam/Drew Scientific Instruments	11	83.86	1.51	1.8	84.3	79.3 - 88.5	11	33.33	1.32	4.0	33.2	29.3 - 37.3
Abbott Cell-Dyn 1700	22	83.12	1.04	1.2	83.1	80.0 - 86.3	23	34.31	2.06	6.0	34.1	28.1 - 40.5
Abbott Cell-Dyn 1800	102	83.72	0.65	0.8	83.7	81.7 - 85.7	104	34.61	1.98	5.7	34.7	28.6 - 40.6
Abbott Cell-Dyn Emerald	108	83.71	1.78	2.1	84.4	78.3 - 89.1	107	35.56	1.72	4.8	35.6	30.4 - 40.8
ABX Diagnostics Micros/45/60	114	85.52	0.86	1.0	85.6	82.9 - 88.2	113	35.79	1.94	5.4	36.0	29.9 - 41.7
Boule Medonic CA 620	11	77.12	0.71	0.9	77.1	74.9 - 79.3	12	31.82	4.84	15.2	30.7	17.2 - 46.4
Boule Medonic M series	87	79.67	0.81	1.0	79.7	77.2 - 82.2	87	30.01	2.56	8.5	30.0	22.3 - 37.8
COULTER AcT diff/diff 2	207	82.43	0.89	1.1	82.4	79.7 - 85.2	207	31.16	1.63	5.2	31.1	26.2 - 36.1
Drew Scientific D3	11	83.86	1.51	1.8	84.3	79.3 - 88.5	11	33.33	1.32	4.0	33.2	29.3 - 37.3

	Specimen HD-15					
All Method	680	62.91	2.51	4.0	62.7	55.3 - 70.5
All Abbott Cell-Dyn Instruments	234	64.00	1.57	2.4	64.0	59.2 - 68.8
All ABX Instruments	114	66.12	1.23	1.9	66.2	62.4 - 69.9
All COULTER Instruments	204	61.57	0.89	1.5	61.6	58.8 - 64.3
All Danam/Drew Scientific Instruments	11	64.22	1.31	2.0	64.5	60.3 - 68.2
Abbott Cell-Dyn 1700	23	62.37	1.72	2.8	62.9	57.2 - 67.6
Abbott Cell-Dyn 1800	101	63.42	0.92	1.4	63.5	60.6 - 66.2
Abbott Cell-Dyn Emerald	107	64.92	1.50	2.3	65.3	60.4 - 69.5
ABX Diagnostics Micros/45/60	114	66.12	1.23	1.9	66.2	62.4 - 69.9
Boule Medonic CA 620	11	57.26	0.91	1.6	57.3	54.5 - 60.0
Boule Medonic M series	87	59.77	1.15	1.9	59.7	56.3 - 63.3
COULTER AcT diff/diff 2	201	61.57	0.90	1.5	61.6	58.8 - 64.3
Drew Scientific D3	11	64.22	1.31	2.0	64.5	60.3 - 68.2

HEMATOLOGY W/ 5-PART DIFFERENTIAL–WHITE BLOOD CELL COUNT (x 10^9/L)

Instrument	Labs	Mean	SD	CV	Median	Range	Labs	Mean	SD	CV	Median	Range
	Specimen DIF-11						**Specimen DIF-12**					
All Method	18	4.18	0.14	3.4	4.2	3.5 - 4.9	18	10.13	0.21	2.0	10.1	8.6 - 11.7
All COULTER Instruments	18	4.18	0.14	3.4	4.2	3.5 - 4.9	18	10.13	0.21	2.0	10.1	8.6 - 11.7
	Specimen DIF-13						**Specimen DIF-14**					
All Method	18	28.61	0.86	3.0	28.4	24.3 - 32.9	18	4.27	0.16	3.9	4.3	3.6 - 5.0
All COULTER Instruments	18	28.61	0.86	3.0	28.4	24.3 - 32.9	18	4.27	0.16	3.9	4.3	3.6 - 5.0
	Specimen DIF-15											
All Method	18	10.13	0.24	2.4	10.1	8.6 - 11.7						
All COULTER Instruments	18	10.13	0.24	2.4	10.1	8.6 - 11.7						

HEMATOLOGY W/ 5-PART DIFFERENTIAL–RED BLOOD CELL COUNT (x 10^{12}/L)

Instrument	Labs	Mean	SD	CV	Median	Range	Labs	Mean	SD	CV	Median	Range
	Specimen DIF-11						**Specimen DIF-12**					
All Method	18	2.654	0.056	2.1	2.67	2.49 - 2.82	18	4.211	0.075	1.8	4.21	3.95 - 4.47
All COULTER Instruments	18	2.654	0.056	2.1	2.67	2.49 - 2.82	18	4.211	0.075	1.8	4.21	3.95 - 4.47
	Specimen DIF-13						**Specimen DIF-14**					
All Method	17	6.403	0.108	1.7	6.38	6.01 - 6.79	17	2.647	0.040	1.5	2.65	2.48 - 2.81
All COULTER Instruments	17	6.403	0.108	1.7	6.38	6.01 - 6.79	17	2.647	0.040	1.5	2.65	2.48 - 2.81
	Specimen DIF-15											
All Method	18	4.192	0.078	1.9	4.18	3.94 - 4.45						
All COULTER Instruments	18	4.192	0.078	1.9	4.18	3.94 - 4.45						

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

Specimen DIF-11

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	18	6.82	0.12	1.8	6.8	6.3 - 7.3
All COULTER Instruments	18	6.82	0.12	1.8	6.8	6.3 - 7.3

Specimen DIF-12

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	18	11.66	0.21	1.8	11.7	10.8 - 12.5
All COULTER Instruments	18	11.66	0.21	1.8	11.7	10.8 - 12.5

Specimen DIF-13

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	18	20.06	0.31	1.5	20.1	18.6 - 21.5
All COULTER Instruments	18	20.06	0.31	1.5	20.1	18.6 - 21.5

Specimen DIF-14

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	18	6.83	0.11	1.6	6.8	6.3 - 7.4
All COULTER Instruments	18	6.83	0.11	1.6	6.8	6.3 - 7.4

Specimen DIF-15

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	18	11.69	0.17	1.4	11.7	10.8 - 12.6
All COULTER Instruments	18	11.69	0.17	1.4	11.7	10.8 - 12.6

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

Specimen DIF-11

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	18	21.06	0.44	2.1	21.1	19.7 - 22.4
All COULTER Instruments	18	21.06	0.44	2.1	21.1	19.7 - 22.4

Specimen DIF-12

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	18	36.12	0.76	2.1	36.0	33.9 - 38.3
All COULTER Instruments	18	36.12	0.76	2.1	36.0	33.9 - 38.3

Specimen DIF-13

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	17	63.20	1.17	1.9	63.1	59.4 - 67.0
All COULTER Instruments	17	63.20	1.17	1.9	63.1	59.4 - 67.0

Specimen DIF-14

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	17	21.08	0.35	1.7	21.0	19.8 - 22.4
All COULTER Instruments	17	21.08	0.35	1.7	21.0	19.8 - 22.4

Specimen DIF-15

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	18	35.99	1.01	2.8	36.1	33.8 - 38.2
All COULTER Instruments	18	35.99	1.01	2.8	36.1	33.8 - 38.2

HEMATOLOGY W/ 5-PART DIFFERENTIAL–PLATELET COUNT (x 10^9/L)

	Specimen DIF-11						Specimen DIF-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	18	86.9	3.5	4.0	87	65 - 109	18	254.7	10.2	4.0	255	191 - 319
All COULTER Instruments	18	86.9	3.5	4.0	87	65 - 109	18	254.7	10.2	4.0	255	191 - 319
	Specimen DIF-13						**Specimen DIF-14**					
All Method	18	507.8	23.7	4.7	506	380 - 635	18	87.2	4.4	5.1	86	65 - 109
All COULTER Instruments	18	507.8	23.7	4.7	506	380 - 635	18	87.2	4.4	5.1	86	65 - 109
	Specimen DIF-15											
All Method	18	251.1	11.4	4.5	254	188 - 314						
All COULTER Instruments	18	251.1	11.4	4.5	254	188 - 314						

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

	Specimen DIF-11						Specimen DIF-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	18	46.32	1.32	2.8	46.4	42.3 - 50.3	17	52.28	1.54	2.9	52.4	47.6 - 56.9
All COULTER Instruments	18	46.32	1.32	2.8	46.4	42.3 - 50.3	17	52.28	1.54	2.9	52.4	47.6 - 56.9
	Specimen DIF-13						**Specimen DIF-14**					
All Method	18	64.63	4.23	6.5	65.4	51.9 - 77.4	17	46.77	1.41	3.0	46.2	42.5 - 51.1
All COULTER Instruments	18	64.63	4.23	6.5	65.4	51.9 - 77.4	17	46.77	1.41	3.0	46.2	42.5 - 51.1
	Specimen DIF-15											
All Method	18	52.41	1.91	3.7	52.3	46.6 - 58.2						
All COULTER Instruments	18	52.41	1.91	3.7	52.3	46.6 - 58.2						

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

Specimen DIF-11

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	18	44.67	2.27	5.1	45.9	37.8 - 51.5
All COULTER Instruments	18	44.67	2.27	5.1	45.9	37.8 - 51.5

Specimen DIF-12

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	17	37.44	0.68	1.8	37.6	35.4 - 39.5
All COULTER Instruments	17	37.44	0.68	1.8	37.6	35.4 - 39.5

Specimen DIF-13

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	18	21.77	4.43	20.3	23.5	8.4 - 35.1
All COULTER Instruments	18	21.77	4.43	20.3	23.5	8.4 - 35.1

Specimen DIF-14

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	18	44.13	2.88	6.5	45.4	35.5 - 52.8
All COULTER Instruments	18	44.13	2.88	6.5	45.4	35.5 - 52.8

Specimen DIF-15

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	18	36.86	1.53	4.1	37.2	32.2 - 41.5
All COULTER Instruments	18	36.86	1.53	4.1	37.2	32.2 - 41.5

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

Specimen DIF-11

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	18	0.31	0.18	58.8	0.3	0.0 - 0.9
All COULTER Instruments	18	0.31	0.18	58.8	0.3	0.0 - 0.9

Specimen DIF-12

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	18	3.68	0.86	23.4	3.7	1.0 - 6.3
All COULTER Instruments	18	3.68	0.86	23.4	3.7	1.0 - 6.3

Specimen DIF-13

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	17	6.75	2.01	29.7	5.7	0.7 - 12.8
All COULTER Instruments	17	6.75	2.01	29.7	5.7	0.7 - 12.8

Specimen DIF-14

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	18	0.32	0.14	43.7	0.3	0.0 - 0.8
All COULTER Instruments	18	0.32	0.14	43.7	0.3	0.0 - 0.8

Specimen DIF-15

Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	18	3.94	0.85	21.7	4.1	1.3 - 6.6
All COULTER Instruments	18	3.94	0.85	21.7	4.1	1.3 - 6.6

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

	Specimen DIF-11						Specimen DIF-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	18	7.45	0.59	8.0	7.4	5.6 - 9.3	18	6.31	0.80	12.6	6.4	3.9 - 8.7
All COULTER Instruments	18	7.45	0.59	8.0	7.4	5.6 - 9.3	18	6.31	0.80	12.6	6.4	3.9 - 8.7

	Specimen DIF-13						Specimen DIF-14					
All Method	18	4.79	0.92	19.3	4.9	2.0 - 7.6	18	7.51	0.69	9.2	7.4	5.4 - 9.6
All COULTER Instruments	18	4.79	0.92	19.3	4.9	2.0 - 7.6	18	7.51	0.69	9.2	7.4	5.4 - 9.6

	Specimen DIF-15					
All Method	18	6.61	0.69	10.4	6.5	4.5 - 8.7
All COULTER Instruments	18	6.61	0.69	10.4	6.5	4.5 - 8.7

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

	Specimen DIF-11						Specimen DIF-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	18	1.28	1.75	136.7	0.3	0.0 - 6.6	18	0.31	0.32	105.6	0.2	0.0 - 1.3
All COULTER Instruments	18	1.28	1.75	136.7	0.3	0.0 - 6.6	18	0.31	0.32	105.6	0.2	0.0 - 1.3

	Specimen DIF-13						Specimen DIF-14					
All Method	18	2.30	3.66	159.2	0.5	0.0 - 13.3	16	0.43	0.48	111.9	0.3	0.0 - 1.9
All COULTER Instruments	18	2.30	3.66	159.2	0.5	0.0 - 13.3	16	0.43	0.48	111.9	0.3	0.0 - 1.9

	Specimen DIF-15					
All Method	17	0.16	0.12	77.3	0.1	0.0 - 0.6
All COULTER Instruments	17	0.16	0.12	77.3	0.1	0.0 - 0.6

QBC HEMATOLOGY–HEMATOCRIT (percent)

	Specimen QBC-11						Specimen QBC-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	6	34.05	1.19	3.5	33.8	32.0 - 36.1	5	36.26	1.05	2.9	36.4	34.0 - 38.5
	Specimen QBC-13						**Specimen QBC-14**					
All Method	6	33.90	0.85	2.5	34.1	31.8 - 36.0	6	20.77	0.75	3.6	21.0	19.5 - 22.1
	Specimen QBC-15											
All Method	5	36.02	0.94	2.6	35.8	33.8 - 38.2						

QBC HEMATOLOGY–HEMOGLOBIN (g/dL)

	Specimen QBC-11						Specimen QBC-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	6	11.52	0.30	2.6	11.6	10.7 - 12.4	6	11.70	1.19	10.2	12.1	10.8 - 12.6
	Specimen QBC-13						**Specimen QBC-14**					
All Method	6	11.42	0.39	3.4	11.4	10.6 - 12.3	6	7.20	0.28	3.8	7.3	6.6 - 7.8
	Specimen QBC-15											
All Method	6	11.78	0.89	7.6	12.0	10.9 - 12.7						

QBC HEMATOLOGY–WHITE BLOOD CELL COUNT (x 10^9/L)

	Specimen QBC-11					Specimen QBC-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	5	15.60	2.11	13.5	14.7	13.2 - 18.0	6	21.00	3.00	14.3	22.3	17.8 - 24.2
	Specimen QBC-13						**Specimen QBC-14**					
All Method	6	15.67	2.03	13.0	15.1	13.3 - 18.1	6	6.28	0.71	11.4	6.5	5.3 - 7.3
	Specimen QBC-15											
All Method	6	20.23	2.63	13.0	20.9	17.1 - 23.3						

QBC HEMATOLOGY–PLATELET COUNT (x 10^9/L)

	Specimen QBC-11					Specimen QBC-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	6	191.5	43.9	22.9	204	143 - 240	6	196.3	39.8	20.3	209	147 - 246
	Specimen QBC-13						**Specimen QBC-14**					
All Method	5	186.2	37.1	19.9	201	139 - 233	6	615.8	59.5	9.7	608	461 - 770
	Specimen QBC-15											
All Method	6	185.7	41.8	22.5	199	139 - 233						

QBC HEMATOLOGY–GRANULOCYTES (x 10^9/L)

	Specimen QBC-11						Specimen QBC-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	6	7.93	2.53	31.9	8.0	0.3 - 15.6	6	9.42	2.48	26.3	9.1	1.9 - 16.9
	Specimen QBC-13						**Specimen QBC-14**					
All Method	6	7.97	2.27	28.5	7.6	1.1 - 14.8	6	4.18	0.88	21.1	4.0	1.5 - 6.9
	Specimen QBC-15											
All Method	6	8.93	2.85	32.0	9.2	0.3 - 17.5						

QBC HEMATOLOGY–LYMPHS/MONO (x 10^9/L)

	Specimen QBC-11						Specimen QBC-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	6	7.63	0.39	5.1	7.6	6.4 - 8.8	6	11.58	2.11	18.2	11.6	5.2 - 18.0
	Specimen QBC-13						**Specimen QBC-14**					
All Method	6	7.70	0.38	5.0	7.6	6.5 - 8.9	6	2.10	0.83	39.6	2.5	0.0 - 4.6
	Specimen QBC-15											
All Method	6	11.30	1.98	17.5	10.5	5.3 - 17.3						

RETICULOCYTE COUNT (percent)

	Specimen RT-5						Specimen RT-6					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	35	1.24	0.46	37.1	1.1	0.0 - 2.7	33	8.12	2.02	24.8	8.2	2.0 - 14.2
All Automated Methods	18	1.05	0.13	12.8	1.1	0.6 - 1.5	19	7.51	1.48	19.7	8.1	3.0 - 12.0
All Manual Methods	16	1.51	0.51	34.0	1.5	0.0 - 3.1	15	9.48	3.06	32.3	8.9	0.3 - 18.7
Manual-New Methylen Blue Stain	11	1.68	0.49	29.1	1.7	0.2 - 3.2	11	12.19	7.24	59.4	10.2	0.0 - 34.0

HEMATOLOGY W/ 5-PART DIFFERENTIAL–WHITE BLOOD CELL COUNT (x 10^9/L)

	Specimen BCX-11						Specimen BCX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	84	6.99	0.17	2.4	7.0	5.9 - 8.1	82	9.32	0.22	2.4	9.3	7.9 - 10.8
All ABX Instruments	41	6.95	0.17	2.4	6.9	5.9 - 8.0	41	9.27	0.23	2.4	9.3	7.8 - 10.7
All COULTER Instruments	43	7.02	0.17	2.4	7.0	5.9 - 8.1	41	9.38	0.20	2.2	9.4	7.9 - 10.8
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	27	6.91	0.16	2.3	6.9	5.8 - 8.0	27	9.24	0.22	2.3	9.2	7.8 - 10.7
ABX Diagnostics Pentra 80 / XL 80	13	7.02	0.16	2.3	7.0	5.9 - 8.1	13	9.32	0.22	2.4	9.3	7.9 - 10.8
COULTER AcT 5diff (version 2.01)	41	7.02	0.17	2.4	7.0	5.9 - 8.1	39	9.36	0.19	2.0	9.4	7.9 - 10.8

	Specimen BCX-13						Specimen BCX-14					
All Method	84	6.21	0.19	3.1	6.2	5.2 - 7.2	83	4.91	0.14	2.8	4.9	4.1 - 5.7
All ABX Instruments	41	6.19	0.18	3.0	6.2	5.2 - 7.2	39	4.90	0.11	2.3	4.9	4.1 - 5.7
All COULTER Instruments	43	6.22	0.20	3.2	6.2	5.2 - 7.2	43	4.93	0.15	2.9	4.9	4.1 - 5.7
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	27	6.18	0.20	3.3	6.2	5.2 - 7.2	26	4.86	0.13	2.6	4.9	4.1 - 5.6
ABX Diagnostics Pentra 80 / XL 80	13	6.21	0.14	2.3	6.2	5.2 - 7.2	13	4.95	0.10	2.0	4.9	4.2 - 5.7
COULTER AcT 5diff (version 2.01)	41	6.22	0.20	3.2	6.2	5.2 - 7.2	41	4.92	0.14	2.9	4.9	4.1 - 5.7

	Specimen BCX-15					
All Method	82	27.38	0.76	2.8	27.4	23.2 - 31.5
All ABX Instruments	40	27.33	0.70	2.5	27.3	23.2 - 31.5
All COULTER Instruments	43	27.38	0.90	3.3	27.4	23.2 - 31.5
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	26	27.25	0.68	2.5	27.3	23.1 - 31.4
ABX Diagnostics Pentra 80 / XL 80	13	27.40	0.73	2.7	27.4	23.2 - 31.6
COULTER AcT 5diff (version 2.01)	41	27.36	0.91	3.3	27.4	23.2 - 31.5

HEMATOLOGY W/ 5-PART DIFFERENTIAL–RED BLOOD CELL COUNT (x 10^{12}/L)

	Specimen BCX-11						Specimen BCX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	84	4.685	0.071	1.5	4.70	4.40 - 4.97	82	2.543	0.047	1.9	2.54	2.39 - 2.70
All ABX Instruments	41	4.668	0.072	1.5	4.67	4.38 - 4.95	41	2.518	0.055	2.2	2.52	2.36 - 2.67
All COULTER Instruments	43	4.701	0.067	1.4	4.71	4.41 - 4.99	43	2.560	0.042	1.6	2.55	2.40 - 2.72
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	27	4.661	0.072	1.5	4.65	4.38 - 4.95	27	2.538	0.049	1.9	2.53	2.38 - 2.70
ABX Diagnostics Pentra 80 / XL 80	13	4.693	0.064	1.4	4.71	4.41 - 4.98	13	2.477	0.045	1.8	2.49	2.32 - 2.63
COULTER AcT 5diff (version 2.01)	41	4.699	0.066	1.4	4.71	4.41 - 4.99	41	2.564	0.039	1.5	2.55	2.41 - 2.72

	Specimen BCX-13						Specimen BCX-14					
All Method	84	6.152	0.106	1.7	6.15	5.78 - 6.53	82	4.238	0.065	1.5	4.24	3.98 - 4.50
All ABX Instruments	41	6.144	0.111	1.8	6.15	5.77 - 6.52	40	4.216	0.065	1.6	4.21	3.96 - 4.47
All COULTER Instruments	43	6.160	0.103	1.7	6.17	5.79 - 6.53	42	4.258	0.057	1.3	4.25	4.00 - 4.52
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	27	6.119	0.099	1.6	6.15	5.75 - 6.49	26	4.225	0.071	1.7	4.22	3.97 - 4.48
ABX Diagnostics Pentra 80 / XL 80	13	6.208	0.107	1.7	6.21	5.83 - 6.59	13	4.204	0.055	1.3	4.21	3.95 - 4.46
COULTER AcT 5diff (version 2.01)	41	6.153	0.100	1.6	6.15	5.78 - 6.53	40	4.259	0.058	1.4	4.25	4.00 - 4.52

	Specimen BCX-15					
All Method	83	2.983	0.054	1.8	2.98	2.80 - 3.17
All ABX Instruments	40	2.959	0.051	1.7	2.96	2.78 - 3.14
All COULTER Instruments	43	3.005	0.047	1.6	3.00	2.82 - 3.19
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	26	2.979	0.044	1.5	2.97	2.80 - 3.16
ABX Diagnostics Pentra 80 / XL 80	13	2.921	0.044	1.5	2.91	2.74 - 3.10
COULTER AcT 5diff (version 2.01)	41	3.007	0.046	1.5	3.00	2.82 - 3.19

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

	Specimen BCX-11						Specimen BCX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	84	12.83	0.16	1.2	12.8	11.9 - 13.8	84	7.40	0.13	1.8	7.4	6.8 - 8.0
All ABX Instruments	41	12.78	0.15	1.2	12.8	11.8 - 13.7	41	7.31	0.10	1.4	7.3	6.8 - 7.9
All COULTER Instruments	43	12.87	0.15	1.2	12.9	11.9 - 13.8	43	7.49	0.09	1.2	7.5	6.9 - 8.1
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	27	12.79	0.15	1.2	12.8	11.8 - 13.7	27	7.32	0.11	1.4	7.3	6.8 - 7.9
ABX Diagnostics Pentra 80 / XL 80	13	12.78	0.14	1.1	12.8	11.8 - 13.7	13	7.30	0.09	1.3	7.3	6.7 - 7.9
COULTER AcT 5diff (version 2.01)	41	12.87	0.16	1.2	12.9	11.9 - 13.8	41	7.49	0.09	1.2	7.5	6.9 - 8.1

	Specimen BCX-13						Specimen BCX-14					
All Method	84	19.98	0.27	1.4	20.0	18.5 - 21.4	83	12.61	0.16	1.2	12.6	11.7 - 13.5
All ABX Instruments	41	20.10	0.24	1.2	20.1	18.6 - 21.6	40	12.55	0.14	1.1	12.6	11.6 - 13.5
All COULTER Instruments	43	19.85	0.25	1.3	19.9	18.4 - 21.3	43	12.67	0.15	1.2	12.7	11.7 - 13.6
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	27	20.09	0.23	1.1	20.1	18.6 - 21.5	26	12.56	0.13	1.0	12.6	11.6 - 13.5
ABX Diagnostics Pentra 80 / XL 80	13	20.15	0.25	1.3	20.2	18.7 - 21.6	13	12.54	0.15	1.2	12.5	11.6 - 13.5
COULTER AcT 5diff (version 2.01)	41	19.85	0.25	1.3	19.9	18.4 - 21.3	41	12.67	0.16	1.2	12.7	11.7 - 13.6

	Specimen BCX-15					
All Method	83	7.75	0.13	1.7	7.7	7.2 - 8.3
All ABX Instruments	40	7.65	0.10	1.4	7.7	7.1 - 8.2
All COULTER Instruments	43	7.83	0.09	1.1	7.8	7.2 - 8.4
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	26	7.67	0.09	1.2	7.7	7.1 - 8.3
ABX Diagnostics Pentra 80 / XL 80	13	7.62	0.13	1.7	7.6	7.0 - 8.2
COULTER AcT 5diff (version 2.01)	41	7.84	0.09	1.2	7.8	7.2 - 8.4

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

	Specimen BCX-11						Specimen BCX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	84	37.47	0.67	1.8	37.5	35.2 - 39.8	84	21.27	0.41	1.9	21.3	19.9 - 22.6
All ABX Instruments	41	37.44	0.74	2.0	37.6	35.1 - 39.7	41	21.23	0.42	2.0	21.2	19.9 - 22.6
All COULTER Instruments	43	37.49	0.59	1.6	37.5	35.2 - 39.8	43	21.30	0.41	1.9	21.3	20.0 - 22.6
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	27	37.21	0.64	1.7	37.1	34.9 - 39.5	27	21.14	0.38	1.8	21.2	19.8 - 22.5
ABX Diagnostics Pentra 80 / XL 80	13	38.05	0.46	1.2	38.1	35.7 - 40.4	13	21.47	0.42	2.0	21.6	20.1 - 22.8
COULTER AcT 5diff (version 2.01)	41	37.48	0.60	1.6	37.5	35.2 - 39.8	41	21.29	0.42	2.0	21.3	20.0 - 22.6

	Specimen BCX-13						Specimen BCX-14					
All Method	83	56.91	0.95	1.7	57.0	53.4 - 60.4	83	35.82	0.61	1.7	35.9	33.6 - 38.0
All ABX Instruments	41	56.92	1.00	1.7	56.9	53.5 - 60.4	40	35.78	0.60	1.7	35.9	33.6 - 38.0
All COULTER Instruments	42	56.90	0.91	1.6	57.1	53.4 - 60.4	43	35.86	0.63	1.8	35.9	33.7 - 38.1
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	27	56.90	0.95	1.7	56.8	53.4 - 60.4	26	35.68	0.59	1.7	35.8	33.5 - 37.9
ABX Diagnostics Pentra 80 / XL 80	13	57.08	1.02	1.8	57.1	53.6 - 60.6	13	36.02	0.56	1.5	36.2	33.8 - 38.2
COULTER AcT 5diff (version 2.01)	40	56.89	0.94	1.6	57.0	53.4 - 60.4	41	35.86	0.64	1.8	35.9	33.7 - 38.1

	Specimen BCX-15					
All Method	82	22.77	0.38	1.6	22.8	21.4 - 24.2
All ABX Instruments	40	22.75	0.37	1.6	22.8	21.3 - 24.2
All COULTER Instruments	43	22.82	0.43	1.9	22.9	21.4 - 24.2
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	26	22.67	0.34	1.5	22.7	21.3 - 24.1
ABX Diagnostics Pentra 80 / XL 80	13	22.96	0.33	1.4	23.0	21.5 - 24.4
COULTER AcT 5diff (version 2.01)	41	22.80	0.43	1.9	22.9	21.4 - 24.2

HEMATOLOGY W/ 5-PART DIFFERENTIAL–PLATELET COUNT (x 10^9/L)

	Specimen BCX-11						Specimen BCX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	84	245.6	10.0	4.1	246	184 - 307	83	80.3	4.3	5.4	80	60 - 101
All ABX Instruments	41	244.9	8.6	3.5	243	183 - 307	41	79.3	4.1	5.1	79	59 - 100
All COULTER Instruments	43	246.3	11.2	4.5	246	184 - 308	43	81.7	4.8	5.8	81	61 - 103
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	27	243.0	7.5	3.1	243	182 - 304	27	79.2	4.1	5.2	79	59 - 100
ABX Diagnostics Pentra 80 / XL 80	13	248.9	10.0	4.0	252	186 - 312	13	79.3	4.2	5.3	79	59 - 100
COULTER AcT 5diff (version 2.01)	41	245.8	11.0	4.5	246	184 - 308	41	81.7	4.9	5.9	81	61 - 103

	Specimen BCX-13						Specimen BCX-14					
All Method	83	187.3	8.9	4.8	186	140 - 235	82	240.8	10.3	4.3	240	180 - 301
All ABX Instruments	40	185.3	8.3	4.5	184	138 - 232	39	238.2	8.8	3.7	237	178 - 298
All COULTER Instruments	43	189.1	9.2	4.9	190	141 - 237	43	243.1	11.1	4.6	243	182 - 304
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	25	181.1	5.1	2.8	181	135 - 227	26	235.8	6.5	2.7	237	176 - 295
ABX Diagnostics Pentra 80 / XL 80	13	191.8	8.1	4.2	191	143 - 240	13	238.2	20.7	8.7	238	178 - 298
COULTER AcT 5diff (version 2.01)	41	188.7	9.1	4.8	190	141 - 236	41	242.8	11.3	4.6	243	182 - 304

	Specimen BCX-15					
All Method	82	389.7	12.5	3.2	391	292 - 488
All ABX Instruments	40	387.3	12.1	3.1	386	290 - 485
All COULTER Instruments	42	392.1	12.5	3.2	393	294 - 491
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	26	387.8	10.8	2.8	388	290 - 485
ABX Diagnostics Pentra 80 / XL 80	13	385.2	14.6	3.8	379	288 - 482
COULTER AcT 5diff (version 2.01)	41	393.0	14.4	3.7	392	294 - 492

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

	Specimen BCX-11						Specimen BCX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	83	53.56	4.46	8.3	53.3	40.1 - 67.0	84	60.19	3.11	5.2	60.2	50.8 - 69.6
All ABX Instruments	40	55.86	3.56	6.4	55.3	45.1 - 66.6	41	61.64	2.40	3.9	61.7	54.4 - 68.9
All COULTER Instruments	43	51.43	4.17	8.1	52.0	38.9 - 64.0	43	58.81	3.11	5.3	59.2	49.4 - 68.2
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	26	57.28	3.25	5.7	58.3	47.5 - 67.1	27	62.17	2.55	4.1	62.5	54.5 - 69.9
ABX Diagnostics Pentra 80 / XL 80	13	52.88	2.22	4.2	53.3	46.2 - 59.6	13	60.48	1.72	2.8	60.7	55.3 - 65.7
COULTER AcT 5diff (version 2.01)	41	51.64	4.13	8.0	52.1	39.2 - 64.1	41	58.98	3.08	5.2	59.2	49.7 - 68.3

	Specimen BCX-13						Specimen BCX-14					
All Method	83	55.86	5.27	9.4	57.3	40.0 - 71.7	84	58.65	4.66	7.9	58.8	44.6 - 72.7
All ABX Instruments	40	56.92	4.73	8.3	57.9	42.7 - 71.2	41	60.51	4.26	7.0	60.5	47.7 - 73.3
All COULTER Instruments	43	54.87	5.59	10.2	55.0	38.1 - 71.7	42	56.51	3.70	6.5	56.2	45.4 - 67.7
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	26	58.51	4.09	7.0	58.7	46.2 - 70.8	27	61.89	4.15	6.7	62.3	49.4 - 74.4
ABX Diagnostics Pentra 80 / XL 80	13	53.32	4.01	7.5	52.6	41.2 - 65.4	13	57.75	3.25	5.6	58.7	48.0 - 67.5
COULTER AcT 5diff (version 2.01)	41	55.31	5.32	9.6	55.8	39.3 - 71.3	40	56.79	3.51	6.2	56.4	46.2 - 67.4

	Specimen BCX-15					
All Method	84	67.62	4.52	6.7	67.6	54.0 - 81.2
All ABX Instruments	40	70.46	3.72	5.3	71.6	59.3 - 81.7
All COULTER Instruments	43	65.22	3.35	5.1	65.8	55.1 - 75.3
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	26	72.14	3.00	4.2	73.0	63.1 - 81.2
ABX Diagnostics Pentra 80 / XL 80	13	67.23	2.90	4.3	67.5	58.5 - 76.0
COULTER AcT 5diff (version 2.01)	41	65.47	3.17	4.8	65.9	55.9 - 75.0

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

	Specimen BCX-11						Specimen BCX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	82	32.19	3.72	11.5	32.0	21.0 - 43.4	84	27.05	2.87	10.6	27.1	18.4 - 35.7
All ABX Instruments	39	33.52	3.38	10.1	33.1	23.3 - 43.7	41	28.30	2.54	9.0	28.2	20.6 - 36.0
All COULTER Instruments	43	30.99	3.64	11.7	31.1	20.0 - 42.0	43	25.86	2.68	10.4	26.0	17.8 - 33.9
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	26	32.25	2.89	9.0	32.5	23.5 - 41.0	27	27.17	1.88	6.9	27.2	21.5 - 32.9
ABX Diagnostics Pentra 80 / XL 80	13	37.22	3.61	9.7	37.1	26.3 - 48.1	13	30.64	2.25	7.4	30.1	23.8 - 37.4
COULTER AcT 5diff (version 2.01)	40	30.33	2.73	9.0	30.9	22.1 - 38.6	41	25.61	2.48	9.7	25.9	18.1 - 33.1

	Specimen BCX-13						Specimen BCX-14					
All Method	83	30.84	5.19	16.8	29.6	15.2 - 46.5	82	22.50	3.40	15.1	22.5	12.2 - 32.7
All ABX Instruments	40	31.83	5.13	16.1	31.5	16.4 - 47.3	40	23.36	3.35	14.3	23.3	13.3 - 33.5
All COULTER Instruments	43	29.92	5.13	17.2	29.0	14.5 - 45.4	43	21.42	3.62	16.9	21.1	10.5 - 32.3
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	26	29.99	4.08	13.6	29.5	17.7 - 42.3	27	22.03	2.69	12.2	22.5	13.9 - 30.2
ABX Diagnostics Pentra 80 / XL 80	13	35.86	4.89	13.6	36.4	21.1 - 50.6	13	26.81	3.87	14.4	25.9	15.1 - 38.5
COULTER AcT 5diff (version 2.01)	40	28.97	3.82	13.2	28.3	17.4 - 40.5	41	21.15	3.45	16.3	21.0	10.7 - 31.6

	Specimen BCX-15					
All Method	82	20.93	3.28	15.7	20.1	11.1 - 30.8
All ABX Instruments	41	22.65	3.59	15.9	21.2	11.8 - 33.5
All COULTER Instruments	41	19.30	2.19	11.3	18.6	12.7 - 25.9
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	26	20.62	1.97	9.5	20.1	14.7 - 26.6
ABX Diagnostics Pentra 80 / XL 80	13	26.13	2.92	11.2	26.4	17.3 - 34.9
COULTER AcT 5diff (version 2.01)	40	19.17	2.06	10.7	18.6	12.9 - 25.4

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

	Specimen BCX-11						Specimen BCX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	82	2.70	1.68	62.1	2.4	0.0 - 7.8	80	1.29	0.75	58.6	1.1	0.0 - 3.6
All ABX Instruments	41	2.61	1.41	54.1	2.5	0.0 - 6.9	41	1.29	0.72	56.1	1.2	0.0 - 3.5
All COULTER Instruments	43	3.07	2.27	74.0	2.4	0.0 - 9.9	41	1.41	0.97	68.6	1.0	0.0 - 4.4
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	27	2.55	1.55	61.0	2.2	0.0 - 7.3	27	1.34	0.81	60.5	1.2	0.0 - 3.8
ABX Diagnostics Pentra 80 / XL 80	13	2.56	0.98	38.4	2.5	0.0 - 5.6	13	1.24	0.52	42.0	1.2	0.0 - 2.8
COULTER AcT 5diff (version 2.01)	41	3.15	2.30	72.9	2.6	0.0 - 10.1	39	1.45	0.97	66.9	1.2	0.0 - 4.4

	Specimen BCX-13						Specimen BCX-14					
All Method	82	2.84	1.75	61.6	2.5	0.0 - 8.1	82	1.46	1.05	71.4	1.1	0.0 - 4.7
All ABX Instruments	40	2.68	1.66	61.9	2.4	0.0 - 7.7	40	1.50	1.04	69.9	1.3	0.0 - 4.7
All COULTER Instruments	43	3.11	2.01	64.4	2.7	0.0 - 9.2	43	1.52	1.18	77.6	1.1	0.0 - 5.1
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	26	2.85	1.83	64.2	2.6	0.0 - 8.4	26	1.53	1.12	72.7	1.3	0.0 - 4.9
ABX Diagnostics Pentra 80 / XL 80	13	2.35	1.36	57.6	2.1	0.0 - 6.5	13	1.40	0.97	69.0	0.8	0.0 - 4.3
COULTER AcT 5diff (version 2.01)	41	3.19	2.02	63.4	2.9	0.0 - 9.3	41	1.53	1.21	78.6	1.1	0.0 - 5.2

	Specimen BCX-15					
All Method	80	1.73	1.02	58.9	1.5	0.0 - 4.8
All ABX Instruments	40	1.60	0.90	56.3	1.5	0.0 - 4.4
All COULTER Instruments	40	1.87	1.12	60.3	1.6	0.0 - 5.3
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	26	1.58	0.93	58.8	1.4	0.0 - 4.4
ABX Diagnostics Pentra 80 / XL 80	13	1.55	0.86	55.3	1.5	0.0 - 4.2
COULTER AcT 5diff (version 2.01)	38	1.91	1.13	59.1	1.6	0.0 - 5.4

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

	Specimen BCX-11						Specimen BCX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	80	6.82	1.00	14.7	6.7	3.8 - 9.9	81	6.98	1.99	28.5	6.6	1.0 - 13.0
All ABX Instruments	37	7.15	0.88	12.4	7.1	4.4 - 9.8	41	8.20	2.44	29.8	7.4	0.8 - 15.6
All COULTER Instruments	43	6.53	1.02	15.7	6.5	3.4 - 9.7	41	5.97	1.11	18.5	5.9	2.6 - 9.3
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	25	7.27	0.82	11.3	7.2	4.8 - 9.8	27	8.66	2.67	30.8	7.6	0.6 - 16.7
ABX Diagnostics Pentra 80 / XL 80	13	6.92	1.68	24.3	6.6	1.8 - 12.0	13	7.25	1.74	24.0	6.9	2.0 - 12.5
COULTER AcT 5diff (version 2.01)	41	6.64	0.93	14.0	6.5	3.8 - 9.5	39	5.99	1.10	18.3	5.9	2.6 - 9.3
	Specimen BCX-13						**Specimen BCX-14**					
All Method	80	7.43	1.17	15.7	7.4	3.9 - 11.0	83	12.61	1.89	15.0	12.7	6.9 - 18.3
All ABX Instruments	40	8.17	1.69	20.6	7.9	3.1 - 13.3	40	13.81	1.45	10.5	13.8	9.4 - 18.2
All COULTER Instruments	43	7.08	1.01	14.3	6.9	4.0 - 10.2	43	11.50	1.55	13.4	11.6	6.8 - 16.2
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	26	8.19	1.70	20.8	8.4	3.0 - 13.3	26	13.98	1.50	10.7	14.0	9.4 - 18.5
ABX Diagnostics Pentra 80 / XL 80	13	8.18	1.79	21.9	7.7	2.8 - 13.6	13	13.59	1.38	10.1	13.2	9.4 - 17.8
COULTER AcT 5diff (version 2.01)	41	7.11	1.03	14.5	6.9	4.0 - 10.2	41	11.49	1.57	13.6	11.6	6.7 - 16.2
	Specimen BCX-15											
All Method	82	4.46	0.60	13.4	4.4	2.6 - 6.3						
All ABX Instruments	40	4.73	0.64	13.6	4.8	2.8 - 6.7						
All COULTER Instruments	43	4.26	0.54	12.7	4.2	2.6 - 5.9						
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	26	4.74	0.69	14.5	4.7	2.6 - 6.9						
ABX Diagnostics Pentra 80 / XL 80	13	4.65	0.55	11.9	4.8	2.9 - 6.4						
COULTER AcT 5diff (version 2.01)	41	4.28	0.55	12.8	4.2	2.6 - 6.0						

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

	Specimen BCX-11						Specimen BCX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	82	4.24	3.86	91.0	3.9	0.0 - 15.9	82	4.02	3.65	90.9	3.5	0.0 - 15.0
All ABX Instruments	41	0.41	0.04	8.6	0.4	0.3 - 0.6	38	0.40	0.00	0.0	0.4	0.4 - 0.4
All COULTER Instruments	41	8.07	0.36	4.4	8.1	6.9 - 9.2	40	7.67	0.35	4.5	7.7	6.6 - 8.8
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	27	0.41	0.03	7.8	0.4	0.3 - 0.6	26	0.40	0.00	0.0	0.4	0.4 - 0.4
ABX Diagnostics Pentra 80 / XL 80	13	0.42	0.04	10.4	0.4	0.2 - 0.6	12	0.40	0.00	0.0	0.4	0.4 - 0.4
COULTER AcT 5diff (version 2.01)	39	8.07	0.36	4.5	8.1	6.9 - 9.2	38	7.67	0.36	4.6	7.7	6.5 - 8.8

	Specimen BCX-13						Specimen BCX-14					
All Method	81	2.68	2.44	91.0	3.4	0.0 - 10.0	82	4.63	4.21	91.1	4.2	0.0 - 17.3
All ABX Instruments	40	0.27	0.05	16.6	0.3	0.1 - 0.5	41	0.45	0.05	11.2	0.5	0.2 - 0.7
All COULTER Instruments	41	5.02	0.66	13.2	5.2	3.0 - 7.1	41	8.80	0.44	5.0	8.7	7.4 - 10.2
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	26	0.27	0.05	18.3	0.3	0.1 - 0.5	27	0.45	0.05	11.3	0.5	0.2 - 0.7
ABX Diagnostics Pentra 80 / XL 80	13	0.28	0.04	13.2	0.3	0.1 - 0.4	13	0.45	0.05	11.4	0.5	0.2 - 0.7
COULTER AcT 5diff (version 2.01)	39	5.04	0.66	13.2	5.2	3.0 - 7.1	39	8.78	0.42	4.7	8.7	7.5 - 10.1

	Specimen BCX-15					
All Method	82	4.48	4.08	91.1	4.2	0.0 - 16.8
All ABX Instruments	41	0.43	0.04	10.5	0.4	0.2 - 0.6
All COULTER Instruments	41	8.52	0.30	3.5	8.5	7.6 - 9.5
ABX Diagnostics Pentra 60C+ (version 2.21 and up)	27	0.43	0.04	10.5	0.4	0.2 - 0.6
ABX Diagnostics Pentra 80 / XL 80	13	0.43	0.05	11.2	0.4	0.2 - 0.6
COULTER AcT 5diff (version 2.01)	39	8.53	0.30	3.5	8.5	7.6 - 9.5

HEMATOLOGY W/ 5-PART DIFFERENTIAL–WHITE BLOOD CELL COUNT (x 10^9/L)

	Specimen MX-11						Specimen MX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	44	3.69	0.11	3.0	3.7	3.1 - 4.3	46	7.55	0.28	3.6	7.6	6.4 - 8.7
All Sysmex Instruments	44	3.69	0.11	3.0	3.7	3.1 - 4.3	46	7.55	0.28	3.6	7.6	6.4 - 8.7
Sysmex XS-1000i	28	3.73	0.09	2.5	3.8	3.1 - 4.3	28	7.68	0.24	3.2	7.7	6.5 - 8.9
	Specimen MX-13						**Specimen MX-14**					
All Method	46	24.21	1.26	5.2	24.6	20.5 - 27.9	45	3.69	0.12	3.2	3.7	3.1 - 4.3
All Sysmex Instruments	46	24.21	1.26	5.2	24.6	20.5 - 27.9	45	3.69	0.12	3.2	3.7	3.1 - 4.3
Sysmex XS-1000i	28	25.05	0.65	2.6	25.2	21.2 - 28.9	28	3.75	0.10	2.6	3.8	3.1 - 4.4
	Specimen MX-15											
All Method	46	7.55	0.28	3.7	7.6	6.4 - 8.7						
All Sysmex Instruments	46	7.55	0.28	3.7	7.6	6.4 - 8.7						
Sysmex XS-1000i	28	7.70	0.23	2.9	7.7	6.5 - 8.9						

HEMATOLOGY W/ 5-PART DIFFERENTIAL–RED BLOOD CELL COUNT (x 10^{12}/L)

	Specimen MX-11						Specimen MX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	46	2.359	0.048	2.0	2.35	2.21 - 2.51	46	4.794	0.057	1.2	4.79	4.50 - 5.09
All Sysmex Instruments	46	2.359	0.048	2.0	2.35	2.21 - 2.51	46	4.794	0.057	1.2	4.79	4.50 - 5.09
Sysmex XS-1000i	28	2.334	0.036	1.5	2.34	2.19 - 2.48	28	4.779	0.059	1.2	4.78	4.49 - 5.07
	Specimen MX-13						**Specimen MX-14**					
All Method	46	6.441	0.079	1.2	6.43	6.05 - 6.83	46	2.359	0.050	2.1	2.36	2.21 - 2.51
All Sysmex Instruments	46	6.441	0.079	1.2	6.43	6.05 - 6.83	46	2.359	0.050	2.1	2.36	2.21 - 2.51
Sysmex XS-1000i	28	6.447	0.078	1.2	6.44	6.06 - 6.84	28	2.331	0.036	1.5	2.33	2.19 - 2.48
	Specimen MX-15											
All Method	46	4.807	0.064	1.3	4.82	4.51 - 5.10						
All Sysmex Instruments	46	4.807	0.064	1.3	4.82	4.51 - 5.10						
Sysmex XS-1000i	28	4.793	0.066	1.4	4.78	4.50 - 5.09						

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

	Specimen MX-11						Specimen MX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	46	5.91	0.07	1.2	5.9	5.4 - 6.4	46	13.62	0.13	0.9	13.6	12.6 - 14.6
All Sysmex Instruments	46	5.91	0.07	1.2	5.9	5.4 - 6.4	46	13.62	0.13	0.9	13.6	12.6 - 14.6
Sysmex XS-1000i	28	5.89	0.08	1.3	5.9	5.4 - 6.4	28	13.64	0.10	0.8	13.6	12.6 - 14.6
	Specimen MX-13						**Specimen MX-14**					
All Method	46	20.15	0.23	1.1	20.2	18.7 - 21.6	45	5.92	0.08	1.3	5.9	5.5 - 6.4
All Sysmex Instruments	46	20.15	0.23	1.1	20.2	18.7 - 21.6	45	5.92	0.08	1.3	5.9	5.5 - 6.4
Sysmex XS-1000i	28	20.26	0.19	0.9	20.3	18.8 - 21.7	28	5.92	0.09	1.5	5.9	5.5 - 6.4
	Specimen MX-15											
All Method	46	13.63	0.14	1.0	13.6	12.6 - 14.6						
All Sysmex Instruments	46	13.63	0.14	1.0	13.6	12.6 - 14.6						
Sysmex XS-1000i	28	13.67	0.12	0.9	13.7	12.7 - 14.7						

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

	Specimen MX-11						Specimen MX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	45	18.09	0.32	1.8	18.1	17.0 - 19.2	45	40.13	0.62	1.5	40.1	37.7 - 42.6
All Sysmex Instruments	45	18.09	0.32	1.8	18.1	17.0 - 19.2	45	40.13	0.62	1.5	40.1	37.7 - 42.6
Sysmex XS-1000i	27	18.01	0.27	1.5	18.1	16.9 - 19.1	27	40.14	0.70	1.7	40.1	37.7 - 42.6
	Specimen MX-13						**Specimen MX-14**					
All Method	45	58.90	1.19	2.0	59.0	55.3 - 62.5	45	18.11	0.37	2.1	18.1	17.0 - 19.2
All Sysmex Instruments	45	58.90	1.19	2.0	59.0	55.3 - 62.5	45	18.11	0.37	2.1	18.1	17.0 - 19.2
Sysmex XS-1000i	28	59.14	1.54	2.6	59.1	55.5 - 62.7	27	18.00	0.32	1.8	17.9	16.9 - 19.1
	Specimen MX-15											
All Method	45	40.17	0.71	1.8	40.2	37.7 - 42.6						
All Sysmex Instruments	45	40.17	0.71	1.8	40.2	37.7 - 42.6						
Sysmex XS-1000i	27	40.20	0.77	1.9	40.0	37.7 - 42.7						

HEMATOLOGY W/ 5-PART DIFFERENTIAL–PLATELET COUNT (x 10^9/L)

	Specimen MX-11						Specimen MX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	45	63.6	5.8	9.2	64	47 - 80	46	215.1	9.0	4.2	215	161 - 269
All Sysmex Instruments	45	63.6	5.8	9.2	64	47 - 80	46	215.1	9.0	4.2	215	161 - 269
Sysmex XS-1000i	27	63.6	5.4	8.5	63	47 - 80	28	214.5	7.0	3.3	215	160 - 269
	Specimen MX-13						**Specimen MX-14**					
All Method	46	453.1	21.3	4.7	455	339 - 567	45	63.7	5.8	9.0	64	47 - 80
All Sysmex Instruments	46	453.1	21.3	4.7	455	339 - 567	45	63.7	5.8	9.0	64	47 - 80
Sysmex XS-1000i	26	453.3	10.2	2.2	456	339 - 567	27	63.3	5.0	8.0	63	47 - 80
	Specimen MX-15											
All Method	46	213.7	7.7	3.6	215	160 - 268						
All Sysmex Instruments	46	213.7	7.7	3.6	215	160 - 268						
Sysmex XS-1000i	28	214.0	6.5	3.0	214	160 - 268						

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

	Specimen MX-11						Specimen MX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	43	65.71	8.44	12.8	65.2	40.3 - 91.1	43	51.07	3.50	6.8	50.8	40.5 - 61.6
All Sysmex Instruments	43	65.71	8.44	12.8	65.2	40.3 - 91.1	43	51.07	3.50	6.8	50.8	40.5 - 61.6
Sysmex XS-1000i	27	65.37	10.63	16.3	59.3	33.4 - 97.3	27	48.81	1.90	3.9	48.5	43.1 - 54.6
	Specimen MX-13						**Specimen MX-14**					
All Method	42	59.70	5.64	9.4	62.2	42.7 - 76.7	43	65.60	8.46	12.9	64.5	40.2 - 91.0
All Sysmex Instruments	42	59.70	5.64	9.4	62.2	42.7 - 76.7	43	65.60	8.46	12.9	64.5	40.2 - 91.0
Sysmex XS-1000i	26	57.37	5.87	10.2	54.5	39.7 - 75.0	27	65.36	10.68	16.3	59.5	33.3 - 97.5
	Specimen MX-15											
All Method	43	50.91	3.58	7.0	49.7	40.1 - 61.7						
All Sysmex Instruments	43	50.91	3.58	7.0	49.7	40.1 - 61.7						
Sysmex XS-1000i	27	48.53	1.58	3.2	48.0	43.8 - 53.3						

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

	Specimen MX-11						Specimen MX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	43	15.23	2.16	14.2	15.2	8.7 - 21.8	43	27.38	2.99	10.9	28.3	18.4 - 36.4
All Sysmex Instruments	43	15.23	2.16	14.2	15.2	8.7 - 21.8	43	27.38	2.99	10.9	28.3	18.4 - 36.4
Sysmex XS-1000i	27	14.94	1.95	13.0	14.3	9.0 - 20.8	27	27.41	3.37	12.3	29.4	17.3 - 37.6
	Specimen MX-13						**Specimen MX-14**					
All Method	42	20.68	2.18	10.5	21.3	14.1 - 27.3	43	15.52	2.18	14.1	15.6	8.9 - 22.1
All Sysmex Instruments	42	20.68	2.18	10.5	21.3	14.1 - 27.3	43	15.52	2.18	14.1	15.6	8.9 - 22.1
Sysmex XS-1000i	26	20.75	2.40	11.6	22.0	13.5 - 28.0	27	15.37	2.20	14.3	15.3	8.7 - 22.0
	Specimen MX-15											
All Method	43	27.65	2.98	10.8	28.2	18.7 - 36.6						
All Sysmex Instruments	43	27.65	2.98	10.8	28.2	18.7 - 36.6						
Sysmex XS-1000i	27	27.91	3.61	12.9	29.5	17.0 - 38.8						

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

	Specimen MX-11						Specimen MX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	43	2.46	1.64	66.7	1.9	0.0 - 7.4	43	4.23	2.29	54.2	4.2	0.0 - 11.2
All Sysmex Instruments	43	2.46	1.64	66.7	1.9	0.0 - 7.4	43	4.23	2.29	54.2	4.2	0.0 - 11.2
Sysmex XS-1000i	27	2.24	1.77	79.3	1.3	0.0 - 7.6	27	3.75	2.56	68.2	2.2	0.0 - 11.5
	Specimen MX-13						**Specimen MX-14**					
All Method	42	2.10	1.18	56.1	2.0	0.0 - 5.7	43	2.60	1.60	61.6	2.4	0.0 - 7.5
All Sysmex Instruments	42	2.10	1.18	56.1	2.0	0.0 - 5.7	43	2.60	1.60	61.6	2.4	0.0 - 7.5
Sysmex XS-1000i	27	1.97	1.43	72.4	1.2	0.0 - 6.3	27	2.26	1.83	80.9	1.3	0.0 - 7.8
	Specimen MX-15											
All Method	43	4.21	2.30	54.6	4.3	0.0 - 11.2						
All Sysmex Instruments	43	4.21	2.30	54.6	4.3	0.0 - 11.2						
Sysmex XS-1000i	27	3.64	2.57	70.6	2.2	0.0 - 11.4						

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

	Specimen MX-11						Specimen MX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	35	15.17	0.64	4.2	15.2	13.2 - 17.1	43	13.87	2.59	18.7	12.9	6.0 - 21.7
All Sysmex Instruments	35	15.17	0.64	4.2	15.2	13.2 - 17.1	43	13.87	2.59	18.7	12.9	6.0 - 21.7
Sysmex XS-1000i	19	15.26	0.65	4.2	15.4	13.3 - 17.3	27	14.70	2.87	19.5	13.2	6.1 - 23.4

	Specimen MX-13						Specimen MX-14					
All Method	39	13.63	1.08	7.9	13.9	10.3 - 16.9	34	14.80	0.72	4.8	14.9	12.6 - 17.0
All Sysmex Instruments	39	13.63	1.08	7.9	13.9	10.3 - 16.9	34	14.80	0.72	4.8	14.9	12.6 - 17.0
Sysmex XS-1000i	25	13.47	1.23	9.2	13.9	9.7 - 17.2	19	14.86	0.63	4.3	14.9	12.9 - 16.8

	Specimen MX-15					
All Method	42	13.95	2.66	19.1	12.9	5.9 - 22.0
All Sysmex Instruments	42	13.95	2.66	19.1	12.9	5.9 - 22.0
Sysmex XS-1000i	27	14.65	3.11	21.2	13.0	5.3 - 24.0

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

	Specimen MX-11						Specimen MX-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	14	83.82	6.61	7.9	9.4	64.0 - 103.7	14	69.54	1.15	1.6	7.6	66.1 - 73.0
All Sysmex XS/XN Instruments	29	6.17	4.44	72.1	8.8	0.0 - 19.5	29	4.96	3.62	73.0	7.1	0.0 - 15.9
All Sysmex XT/XE Instruments	14	83.82	6.61	7.9	81.5	64.0 - 103.7	14	69.54	1.15	1.6	69.5	66.1 - 73.0
Sysmex XS-1000i	27	6.62	4.26	64.3	9.0	0.0 - 19.4	27	5.32	3.49	65.6	7.2	0.0 - 15.8

	Specimen MX-13						Specimen MX-14					
All Method	14	81.01	1.65	2.0	9.0	76.0 - 86.0	13	81.65	1.70	2.1	9.3	76.5 - 86.8
All Sysmex XS/XN Instruments	29	5.88	3.95	67.1	7.7	0.0 - 17.8	29	6.01	4.30	71.5	8.4	0.0 - 19.0
All Sysmex XT/XE Instruments	14	81.01	1.65	2.0	81.2	76.0 - 86.0	13	81.65	1.70	2.1	81.5	76.5 - 86.8
Sysmex XS-1000i	27	6.20	3.90	62.9	7.9	0.0 - 18.0	27	6.44	4.13	64.1	8.4	0.0 - 18.9

	Specimen MX-15					
All Method	14	69.26	0.91	1.3	7.5	66.5 - 72.0
All Sysmex XS/XN Instruments	29	4.83	3.53	73.1	6.7	0.0 - 15.5
All Sysmex XT/XE Instruments	14	69.26	0.91	1.3	69.0	66.5 - 72.0
Sysmex XS-1000i	27	5.18	3.42	66.0	6.9	0.0 - 15.5

2014 M3
Specimens BC-13 through BC-18

Case History:
A 30-year-old female presented to her physician after two weeks of fatigue, malaise, low grade fever, and sporadic nosebleeds. Her husband stated that she had been absent-minded and occasionally disoriented, but he attributed this to the fact she had recently suffered a miscarriage. Upon physical examination, numerous small bruises were observed on the patient's arms and legs, and petechiae were found on the roof of her mouth. A CBC was performed, and the results appear below.

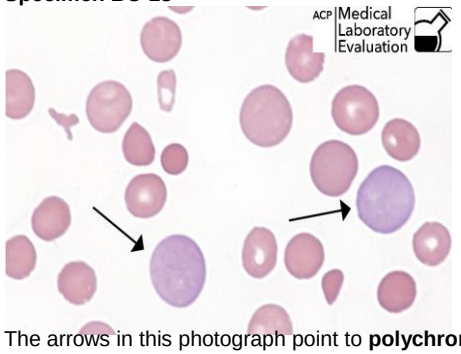
Test	Results	Reference Range
WBC	9.4 x 10^9/L	4.5 - 15.0 x 10^9/L
RBC	2.5 x 10^{12}/L	4.00 - 5.40 x 10^{12}/L
HGB	7.2 g/dL	12.0 - 15.0 g/dL
HCT	21.5 %	35 - 49 %
PLT	22 x 10^9/L	150 - 450 x 10^9/L
MCV	86 fL	80 - 94 fL
MCH	29 pg	26 - 32 pg
MCHC	33 g/dL	32 - 36 %
RDW	20 %	11 - 15 %

This patient was diagnosed with acquired **Thrombotic Thrombocytopenic Purpura (TTP)**. TTP is a blood disorder in which clots form in small blood vessels throughout the body. TTP can be hereditary or acquired. Pregnancy is one of several conditions that can trigger acquired TTP. The five major manifestations (a.k.a., "pentad") of TTP include (1) fever, (2) neurologic abnormalities, (3) severe thrombocytopenia, (4) renal insufficiency, and (5) microangiopathic hemolytic anemia (MAHA). MAHA is a normocytic, normochromic anemia characterized by increased reticulocyte count, schistocytes and nucleated red cells in the peripheral blood smear, increased serum LDH, and decreased serum haptoglobin. Coagulation tests are normal in TTP and the direct Coombs test is negative.

The increased clotting uses up platelets, producing thrombocytopenia, and causes red blood cells to be torn apart as they pass through fibrin strands and obstructed small vessels. Clotting in the small vessels of the kidneys causes increased serum creatinine and urine protein. If not treated promptly, the patient can suffer brain damage or die from cerebral and myocardial infarctions. The treatment of choice for acquired TTP is a plasma exchange, in which the liquid part of the patient's blood is removed and replaced with fresh frozen donor plasma. The procedure is called plasmapheresis, and is usually performed daily for seven days or until the platelet count returns to normal.

BLOOD CELL IDENTIFICATION

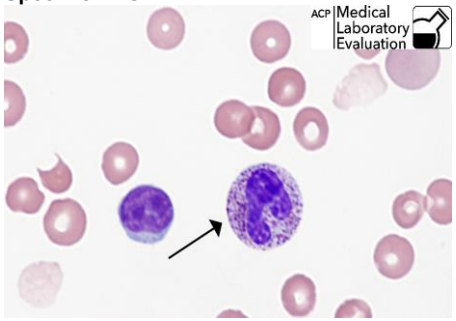
Specimen BC-13



Identification	Labs	Percent	Performance
Polychromatophilic red cell	237	96.73%	Acceptable
Reticulocyte	5	2.04%	

The arrows in this photograph point to **polychromatophilic red blood cells**. These immature red cells have a distinctive gray-blue color due to diffused residual RNA, which will be absorbed later as they mature. These cells are larger than the mature RBCs around them. Polychromasia (the presence of polychromatophilic red cells) in the peripheral blood smear is an indicator of increased bone marrow activity. When there is hemolysis or bleeding and the bone marrow cannot keep up with the need for new red cells, it compensates by releasing cells into circulation before they are fully mature. These polychromatophilic cells would be called reticulocytes, but only when examined with a supravital stain such as New Methylene Blue. To view another photo of polychromatophilic RBCs, see 2013 M3 Specimen BC-15.

Specimen BC-14



Identification	Labs	Percent	Performance
Neutrophil-seg/band w/toxic granulation	220	89.80%	Acceptable
Neutrophil-Segmented or band	17	6.94%	
Basophil, any stage	7	2.86%	

The arrow in this photograph points to a band **neutrophil with toxic granulation**. Normal neutrophils contain fine pink, lilac, and light blue granules. The cytoplasm of cells with toxic granulation contains many small, coarse, dark purple granules. The presence of toxic granulation is a sign of stress, usually due to an infection or ingestion of a toxic substance. *Technical tip*: one way to distinguish real toxic granulation from an overly stained smear is that true toxic granulation will vary in intensity from cell to cell, with some cells showing no toxic granulation. A poorly stained smear will have a more consistent look to all of the neutrophils. To view another photo of toxic granulation, see 2013 M3 Specimen BC-17.

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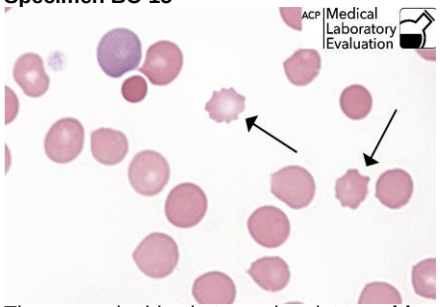
BLOOD CELL IDENTIFICATION

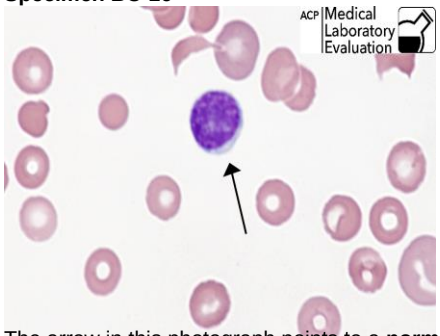
Specimen BC-15



Identification	Labs	Percent	Performance
Echinocyte	237	96.73%	Acceptable
Acanthocyte	7	2.86%	

The arrows in this photograph point to **echinocytes**. These may also be called burr cells or crenated red blood cells. Echinocytes are typically the same size as normal erythrocytes. They have multiple small projections that are uniformly distributed around the red cell surface. Echinocytes are normocytes (normal in size and color), usually having central pallor. In contrast, acanthocytes are spherocytes with no central pallor and have sharp irregularly spaced projections that vary in width and length.
Echinocytes occur in many conditions, including malnutrition associated with mild hemolysis due to hypomagnesemia and hypophosphatemia, uremia, hemolytic anemia in long-distance runners, and pyruvate kinase deficiency. Echinocytes can also be formed as artifacts in vitro due to elevated pH, blood storage, ATP depletion, calcium accumulation, and contact with glass.

Specimen BC-16

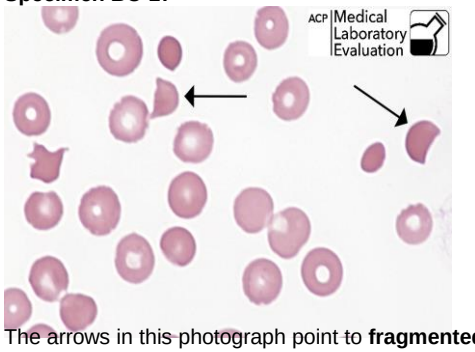


Identification	Labs	Percent	Performance
Lymphocyte	245	100%	Acceptable

The arrow in this photograph points to a **normal lymphocyte**. Its nucleus is eccentric (off-center) and round to oval in shape. The nuclear chromatin is condensed. The cytoplasm is blue and scant. To view another photo of a mature, resting lymphocyte, see 2012 M1 Specimen BC-1.

BLOOD CELL IDENTIFICATION

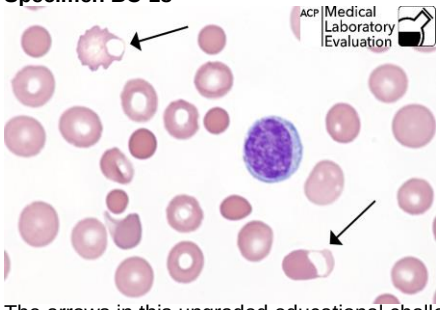
Specimen BC-17



Identification	Labs	Percent	Performance
Fragmented cell	241	98.37%	Acceptable
Blister cell	3	1.22%	

The arrows in this photograph point to **fragmented red blood cells**. These fragments may also be called schistocytes, schizocytes, keratocytes, or if shaped like the two arrowed cells here, helmet cells. Schistocytes are ragged pieces of torn and broken red blood cells found in the peripheral smear due to intravascular hemolysis. Red blood cell fragments are typically microcytic (smaller than normal cells) and irregularly shaped, usually with pointed ends. Schistocytes are associated with TTP, MAHA, disseminated intravascular coagulation (DIC), hemolytic-uremic syndrome (HUS), severe burns, and cardiac valve disease or replacement.
In contrast, acanthocytes are whole, contracted red cells with irregularly spaced long, thin, thorn-like projections, often seen in combination with rounded projections. Acanthocytes are never helmet shaped.
To view another photo of schistocytes, see 2012 M2 Specimen BC-10. To view a photo of acanthocytes, see 2011 M1 Specimen BC-4.

Specimen BC-18



Identification	Labs	Percent	Performance
Blister cell	226	94.17%	Not graded – Educational Challenge
Fragmented cell	7	2.92%	

The arrows in this ungraded educational challenge point to **blister cells**. Blister cells are red blood cells that contain a vacuole near the outer edge of the cell. These vacuoles form in response to trauma to the cell membrane after the cells have been forced through obstacles such as thrombi or fibrin strands. Blister cells are precursors to schistocytes and echinocytes. The membrane around the vacuole can enlarge and rupture, leaving behind a schistocyte with two points which gives the cell a half-moon or helmet shape.
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BLOOD BANK

ABO GROUP

Specimen	Results	Labs	Percent	Performance
BB-11	Group AB	8	100%	Acceptable
BB-12	Group O	8	100%	Acceptable
BB-13	Group A	8	100%	Acceptable
BB-14	Group B	8	100%	Acceptable
BB-15	Group A	8	100%	Acceptable

RH FACTOR (D TYPE)

Specimen	Results	Labs	Percent	Performance
BB-11	Rh Positive	12	100%	Acceptable
BB-12	Rh Positive	12	100%	Acceptable
BB-13	Rh Negative	12	100%	Acceptable
BB-14	Rh Negative	12	100%	Acceptable
BB-15	Rh Positive	12	100%	Acceptable

UNEXPECTED ANTIBODY DETECTION

Specimen	Results	Labs	Percent	Performance
AB-11	Unexpected antibody detected	8	100%	Acceptable
AB-12	Unexpected antibody detected	8	100%	Acceptable
AB-13	No unexpected antibody detected	8	100%	Acceptable
AB-14	No unexpected antibody detected	8	100%	Acceptable
AB-15	Unexpected antibody detected	8	100%	Acceptable

BLOOD BANK

ANTIBODY IDENTIFICATION

Specimen	***Results***	***Labs***	***Percent***	***Performance***
AB-11	Anti-Jk_a	1	100%	Acceptable
AB-12	Anti-s	1	100%	Acceptable
AB-13	No antibody detected	1	100%	Acceptable
AB-14	No antibody detected	1	100%	Acceptable
AB-15	Anti-D	1	100%	Acceptable

COMPATIBILITY TESTING

Specimen	***Results***	***Labs***	***Percent***	***Performance***
AB-11	Not Compatible	6	100%	Acceptable
AB-12	Not Compatible	6	100%	Acceptable
AB-13	Compatible	6	100%	Acceptable
AB-14	Compatible	6	100%	Acceptable
AB-15	Not Compatible	6	100%	Acceptable

PROTHROMBIN TIME (seconds)

	Specimen CG-11						Specimen CG-12					
Reagent/Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	62	11.05	0.70	6.4	11.1	9.3 - 12.8	63	12.65	0.67	5.3	12.7	10.7 - 14.6
Dade Innovin												
Dade Behring BFT II	5	9.78	0.53	5.4	9.5	8.3 - 11.3	5	12.10	0.48	4.0	12.0	10.2 - 14.0
Sysmex CA-500/600 series	29	10.81	0.38	3.5	10.8	9.1 - 12.5	29	12.60	0.43	3.4	12.6	10.7 - 14.5
All Coagulation Instruments	36	10.63	0.55	5.1	10.6	9.0 - 12.3	36	12.50	0.47	3.8	12.5	10.6 - 14.4
HemosIL RecombiPlasTin 2G												
IL ACL, all models	5	11.38	0.29	2.6	11.3	9.6 - 13.1	5	11.76	0.15	1.3	11.8	9.9 - 13.6
IL TEST PT Fibrinogen												
IL ACL, all models	12	11.65	0.29	2.5	11.6	9.9 - 13.4	12	13.28	0.44	3.3	13.2	11.2 - 15.3
PH/CMS Thromboplastin-D												
All Coagulation Instruments	5	11.42	0.61	5.3	11.6	9.7 - 13.2	5	12.46	1.06	8.5	12.3	10.5 - 14.4

	Specimen CG-13						Specimen CG-14					
All Method	63	25.03	3.67	14.7	25.7	21.2 - 28.8	63	42.40	9.02	21.3	43.9	36.0 - 48.8
Dade Innovin												
Dade Behring BFT II	5	28.00	1.00	3.6	27.6	23.8 - 32.2	5	51.08	1.95	3.8	50.8	43.4 - 58.8
Sysmex CA-500/600 series	29	25.81	1.24	4.8	25.8	21.9 - 29.7	29	44.34	3.09	7.0	44.2	37.6 - 51.0
All Coagulation Instruments	36	26.18	1.47	5.6	26.0	22.2 - 30.2	36	45.34	3.72	8.2	44.9	38.5 - 52.2
HemosIL RecombiPlasTin 2G												
IL ACL, all models	5	30.18	1.67	5.5	29.9	25.6 - 34.8	5	53.02	3.78	7.1	51.7	45.0 - 61.0
IL TEST PT Fibrinogen												
IL ACL, all models	12	20.12	0.67	3.3	20.0	17.0 - 23.2	12	29.91	1.04	3.5	29.8	25.4 - 34.4
PH/CMS Thromboplastin-D												
All Coagulation Instruments	5	20.48	0.80	3.9	20.5	17.4 - 23.6	5	31.36	1.96	6.2	31.1	26.6 - 36.1

	Specimen CG-15					
All Method	63	10.75	0.84	7.8	10.8	9.1 - 12.4
Dade Innovin						
Dade Behring BFT II	5	9.18	0.24	2.6	9.1	7.8 - 10.6
Sysmex CA-500/600 series	28	10.40	0.31	3.0	10.4	8.8 - 12.0
All Coagulation Instruments	36	10.23	0.58	5.7	10.4	8.6 - 11.8
HemosIL RecombiPlasTin 2G						
IL ACL, all models	5	11.68	0.37	3.2	11.7	9.9 - 13.5
IL TEST PT Fibrinogen						
IL ACL, all models	12	11.18	0.37	3.4	11.1	9.4 - 12.9
PH/CMS Thromboplastin-D						
All Coagulation Instruments	5	11.24	0.72	6.4	11.1	9.5 - 13.0

PROTHROMBIN TIME–INTERNATIONAL NORMALIZED RATIO (INR)

	Specimen CG-11						Specimen CG-12					
Reagent/Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	63	1.04	0.07	6.6	1.0	0.8 - 1.3	62	1.22	0.11	9.2	1.2	0.9 - 1.5
Dade Innovin												
Dade Behring BFT II	5	1.10	0.00	0.0	1.1	0.8 - 1.4	5	1.28	0.04	3.5	1.3	1.0 - 1.6
Sysmex CA-500/600 series	28	1.04	0.06	5.5	1.0	0.8 - 1.3	28	1.21	0.04	3.7	1.2	0.9 - 1.5
All Coagulation Instruments	35	1.05	0.06	5.3	1.1	0.8 - 1.3	35	1.23	0.05	4.1	1.2	0.9 - 1.5
HemosIL RecombiPlasTin 2G												
IL ACL, all models	5	1.02	0.04	4.4	1.0	0.8 - 1.3	5	1.08	0.04	4.1	1.1	0.8 - 1.3
IL TEST PT Fibrinogen												
IL ACL, all models	12	1.04	0.07	6.4	1.1	0.8 - 1.3	12	1.33	0.09	6.7	1.3	1.0 - 1.6
PH/CMS Thromboplastin-D												
All Coagulation Instruments	5	1.04	0.11	11.0	1.0	0.8 - 1.3	5	1.32	0.23	17.3	1.3	1.0 - 1.6

	Specimen CG-13						Specimen CG-14					
All Method	60	2.65	0.32	12.1	2.6	2.1 - 3.2	61	5.00	1.31	26.2	4.4	3.9 - 6.0
Dade Innovin												
Dade Behring BFT II	5	2.58	0.16	6.4	2.6	2.0 - 3.1	5	4.28	0.22	5.1	4.4	3.4 - 5.2
Sysmex CA-500/600 series	28	2.43	0.14	5.7	2.4	1.9 - 3.0	27	4.14	0.25	6.0	4.1	3.3 - 5.0
All Coagulation Instruments	35	2.46	0.15	6.3	2.4	1.9 - 3.0	34	4.18	0.25	5.9	4.3	3.3 - 5.1
HemosIL RecombiPlasTin 2G												
IL ACL, all models	5	2.86	0.18	6.4	2.8	2.2 - 3.5	5	5.00	0.40	8.0	4.8	4.0 - 6.0
IL TEST PT Fibrinogen												
IL ACL, all models	12	2.88	0.19	6.7	2.9	2.3 - 3.5	12	5.91	0.52	8.8	6.2	4.7 - 7.1
PH/CMS Thromboplastin-D												
All Coagulation Instruments	5	3.76	0.30	7.9	3.9	3.0 - 4.6	5	9.36	0.56	6.0	9.1	7.4 - 11.3

	Specimen CG-15					
All Method	63	1.00	0.06	6.4	1.0	0.7 - 1.2
Dade Innovin						
Dade Behring BFT II	5	1.04	0.05	5.3	1.0	0.8 - 1.3
Sysmex CA-500/600 series	25	1.00	0.00	0.0	1.0	0.8 - 1.2
All Coagulation Instruments	35	1.01	0.04	4.0	1.0	0.8 - 1.3
HemosIL RecombiPlasTin 2G						
IL ACL, all models	5	1.10	0.00	0.0	1.1	0.8 - 1.4
IL TEST PT Fibrinogen						
IL ACL, all models	12	0.96	0.07	7.0	1.0	0.7 - 1.2
PH/CMS Thromboplastin-D						
All Coagulation Instruments	5	1.00	0.07	7.1	1.0	0.8 - 1.2

ACTIVATED PARTIAL THROMBOPLASTIN (seconds)

	Specimen CG-11						Specimen CG-12					
Reagent/Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	27	26.1	0.8	3.1	26	22 - 31	27	32.9	6.0	18.3	29	27 - 38
Dade Actin FSL												
Sysmex CA-500/600 series	16	26.0	0.8	3.1	26	22 - 30	16	28.6	0.6	2.2	29	24 - 33
IL TEST APTT-SP												
IL ACL, all models	7	26.0	0.6	2.2	26	22 - 30	7	36.7	3.7	10.2	36	31 - 43
	Specimen CG-13						**Specimen CG-14**					
All Method	27	49.6	6.2	12.5	48	42 - 58	27	73.5	9.6	13.1	70	62 - 85
Dade Actin FSL												
Sysmex CA-500/600 series	16	46.4	2.2	4.7	46	39 - 54	16	68.9	3.6	5.3	70	58 - 80
IL TEST APTT-SP												
IL ACL, all models	7	50.1	5.3	10.6	49	42 - 58	7	73.3	8.8	12.1	70	62 - 85
	Specimen CG-15											
All Method	27	27.9	1.5	5.3	28	23 - 33						
Dade Actin FSL												
Sysmex CA-500/600 series	16	27.0	0.9	3.3	27	22 - 32						
IL TEST APTT-SP												
IL ACL, all models	7	29.0	1.3	4.5	29	24 - 34						

Fibrinogen (mg/dL)

One participant reported Fibrinogen. The vendor assay values for specimens CG-11 through CG-15 are: 320 mg/dL, 105 mg/dL, 269 mg/dL, 262 mg/dL and 595 mg/dL respectively.

RH FACTOR (Slide Method)

Specimen	***Results***	***Labs***	***Percent***	***Performance***
RH-11	Rh Positive	3	100%	Acceptable
RH-12	Rh Positive	3	100%	Acceptable
RH-13	Rh Negative	3	100%	Acceptable
RH-14	Rh Negative	3	100%	Acceptable
RH-15	Rh Positive	3	100%	Acceptable

COAGUCHEK XS PLUS PROTHROMBIN TIME (seconds)

	Specimen XS-11						Specimen XS-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Roche CoaguChek XS Plus Instruments	22	15.39	0.75	4.9	15.6	13.0 - 17.7	22	15.13	0.71	4.7	15.0	12.8 - 17.5
	Specimen XS-13						**Specimen XS-14**					
All Roche CoaguChek XS Plus Instruments	20	41.36	3.97	9.6	40.0	35.1 - 47.6	20	40.61	3.97	9.8	41.4	34.5 - 46.8
	Specimen XS-15											
All Roche CoaguChek XS Plus Instruments	20	15.21	0.69	4.5	15.2	12.9 - 17.5						

COAGUCHEK XS PLUS PROTHROMBIN TIME–INTERNATIONAL NORMALIZED RATIO (INR)

	Specimen XS-11						Specimen XS-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Roche CoaguChek XS Plus Instruments	22	1.30	0.08	5.8	1.3	1.0 - 1.6	22	1.29	0.08	6.2	1.3	1.0 - 1.6
	Specimen XS-13						**Specimen XS-14**					
All Roche CoaguChek XS Plus Instruments	20	3.43	0.36	10.6	3.5	2.7 - 4.2	20	3.44	0.29	8.5	3.5	2.7 - 4.2
	Specimen XS-15											
All Roche CoaguChek XS Plus Instruments	20	1.31	0.07	5.1	1.3	1.0 - 1.6						

ITC PROTIME MICROCOAGULATION SYSTEM PROTHROMBIN TIME (seconds)

	Specimen IT-5						Specimen IT-6					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	1	-	-	-	27.3	Not graded	1	-	-	-	19.6	Not graded

ITC PROTIME MICROCOAGULATION SYSTEM –INTERNATIONAL NORMALIZED RATIO (INR)

	Specimen IT-5						Specimen IT-6					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	3	-	-	-	1.8	Not graded	3	-	-	-	1.7	Not graded

i-Stat PROTHROMBIN TIME (seconds)

	Specimen PTI-11						Specimen PTI-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
i-Stat Prothrombin Time	11	26.12	0.64	2.5	26.1	22.2 - 30.1	11	14.28	1.67	11.7	14.7	12.1 - 16.5
	Specimen PTI-13						Specimen PTI-14					
i-Stat Prothrombin Time	11	14.52	0.82	5.6	14.8	12.3 - 16.7	11	26.34	0.58	2.2	26.4	22.3 - 30.3
	Specimen PTI-15											
i-Stat Prothrombin Time	11	26.34	1.52	5.8	27.1	22.3 - 30.3						

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

	Specimen PTI-11						Specimen PTI-12					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
i-Stat Prothrombin Time	11	2.26	0.05	2.4	2.3	1.8 - 2.8	11	1.20	0.14	11.8	1.2	0.9 - 1.5
	Specimen PTI-13						Specimen PTI-14					
i-Stat Prothrombin Time	11	1.22	0.08	6.9	1.2	0.9 - 1.5	11	2.28	0.04	2.0	2.3	1.8 - 2.8
	Specimen PTI-15											
i-Stat Prothrombin Time	11	2.30	0.14	6.1	2.4	1.8 - 2.8						

FLUID CELL COUNT/CRYSTALS – WHITE BLOOD CELL COUNT (uL)

	Specimen BF-5						Specimen BF-6					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	5	1371.5	248.8	18.1	1331	873 - 1870	5	1336.3	152.2	11.4	1297	1031 - 1641

FLUID CELL COUNT/CRYSTALS – RED BLOOD CELL COUNT (uL)

	Specimen BF-5						Specimen BF-6					
Instrument	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	5	0.0	0.0	0.0	0	0 - 0	5	1272.8	177.2	13.9	1214	918 - 1628

FLUID CELL COUNT/CRYSTALS – CRYSTAL IDENTIFCATION

Specimen	***Identification***	***Labs***	***Percent***	***Performance***
BF-5	Calcium Oxalate crystals	8	80%	Acceptable
	CPPD Crystals	1	10%	
	MSU (Monosodium Urate)	1	10%	
BF-6	MSU (Monosodium Urate)	10	100%	Acceptable

MICROALBUMIN, DIPSTICK

Specimen UM-3

		Participant Results						
Method	***Labs***	***Negative***	***10 mg/L(Pos)***	***20/30 mg/L***	***50 mg/L (+)***	***80 mg/L***	***100 mg/L (++)***	***150 mg/L***
ALL METHODS	45	-	10	29	6	-	-	-
Bayer Clinitek Microalbumin	39	-	10	29	-	-	-	-
Roche Micral - 1 minute	6	-	-	-	6	-	-	-

CREATININE, DIPSTICK

Specimen UM-3

		Participant Results						
Method	***Labs***	***Negative***	***10 mg/dL***	***30 mg/dL***	***50 mg/dL***	***100 mg/dL***	***200 mg/dL***	***300 mg/dL***
ALL METHODS	41	-	-	-	-	-	5	36
Bayer Clinitek Microalbumin	39	-	-	-	-	-	4	35
Bayer Multistix Pro	2	-	-	-	-	-	1	1

MICROALBUMIN, QUANTITATIVE

Specimen UM-3

Method	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	84	28.8	3.6	12.6	29	17 - 40
Axis-Shield Afinion AS100	11	27.2	4.0	14.9	26	15 - 40
Beckman AU	14	26.8	1.8	6.9	27	21 - 33
Siemens DCA Vantage	13	28.6	1.7	6.0	29	23 - 34
Siemens Dimension/AR/ES/RxL/Xpand	26	29.9	2.5	8.2	30	22 - 38

CREATININE, URINE (mg/dL)

Specimen UM-3

Method	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	82	216.9	9.6	4.4	216	187 - 246
Axis-Shield Afinion AS100	11	205.6	9.6	4.6	207	176 - 235
Beckman AU	14	222.7	10.3	4.6	227	191 - 254
Siemens DCA Vantage	13	222.2	8.0	3.6	221	198 - 247
Siemens Dimension/AR/ES/RxL/Xpand	22	213.0	8.7	4.1	211	186 - 240

WAIVED HEMATOLOGY–HEMOGLOBIN (g/dL)

	Specimen HD-11						**Specimen HD-12**					
Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	95	6.05	0.24	4.0	6.1	5.6 - 6.5	94	13.35	0.46	3.4	13.3	12.4 - 14.3
All Stanbio Methods	28	6.24	0.47	7.5	6.2	5.8 - 6.7	30	13.77	0.41	3.0	13.7	12.8 - 14.8
HemoCue	65	6.01	0.17	2.9	6.0	5.5 - 6.5	62	13.19	0.27	2.0	13.2	12.2 - 14.2
Stanbio HemoPoint H2	26	6.24	0.17	2.7	6.2	5.8 - 6.7	27	13.72	0.38	2.8	13.7	12.7 - 14.7

WAIVED HEMATOLOGY–HEMATOCRIT (percent)

	Specimen HD-11						**Specimen HD-12**					
Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
All Method	17	15.59	2.55	16.4	15.0	10.4 - 20.7	20	37.19	3.28	8.8	38.0	30.6 - 43.8
All Microhematocrit Methods	10	14.70	2.21	15.1	15.0	10.2 - 19.2	10	34.45	2.17	6.3	34.0	30.1 - 38.8

KOH SKIN PREPARATION

Specimen	*Identification*	*Labs*	*Percent*	*Performance*
K-5	Yeast/fungal elements present	156	96.89%	Acceptable
	Yeast/fungal elements absent	5	3.11%	

Organism present in specimen K-5: *Trichophyton rubrum.*

K-6	Yeast/fungal elements absent	149	92.55%	Acceptable
	Yeast/fungal elements present	12	7.45%	

Organism present in specimen K-6: *Corynebacterium pseudodiphtheriticum*.

COAGUCHECK XS - INTERNATIONAL NORMALIZED RATIO (INR)

	Specimen INX-5						Specimen INX-6					
Instrument	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*	*Labs*	*Mean*	*SD*	*CV*	*Median*	*Range*
Roche CoaguChek XS	117	1.27	0.08	6.0	1.3	1.0 - 1.6	117	3.67	0.40	10.9	3.8	2.9 - 4.5

URINALYSIS DIPSTICK–SPECIFIC GRAVITY

Specimen UA-3

Method	***Labs***	***Mean***	***SD***	***CV***	***Median***	***Range***
All Method	897	1.0187	0.0052	0.5	1.020	1.008 - 1.029
All Bayer Instruments	448	1.0223	0.0028	0.3	1.020	1.012 - 1.033
All Refractive Index Methods	10	1.0299	0.0029	0.3	1.030	1.019 - 1.040
All Roche Instruments	54	1.0119	0.0024	0.2	1.010	1.001 - 1.022
Bayer Clinitek 10 / 100	13	1.0227	0.0038	0.4	1.025	1.012 - 1.033
Bayer Clinitek 50	45	1.0202	0.0026	0.3	1.020	1.010 - 1.031
Bayer Clinitek 500	14	1.0218	0.0024	0.2	1.020	1.011 - 1.032
Bayer Clinitek Advantus	22	1.0209	0.0020	0.2	1.020	1.010 - 1.031
Bayer Clinitek Status / Status+	347	1.0225	0.0026	0.3	1.025	1.012 - 1.033
Bayer Reagent Strips	223	1.0166	0.0034	0.3	1.015	1.006 - 1.027
Consult Diagnostics Urine Analyzer	12	1.0133	0.0044	0.4	1.015	1.003 - 1.024
Diagnostic Test Group Clarity Urocheck 120	13	1.0150	0.0000	0.0	1.015	1.005 - 1.025
Other Dipstick Method	15	1.0160	0.0060	0.6	1.015	1.006 - 1.026
Roche Chemstrips	54	1.0107	0.0019	0.2	1.010	1.000 - 1.021
Roche Criterion Analyzer	13	1.0123	0.0025	0.3	1.010	1.002 - 1.023
Roche Urisys	37	1.0120	0.0028	0.3	1.010	1.002 - 1.023

URINALYSIS DIPSTICK–pH

Specimen UA-3

Participant Results

Method	***Labs***	***3.5 or less***	***4.0***	***4.5***	***5.0***	***5.5***	***6.0***	***6.5***	***7.0***	***7.5***	***8.0***	***8.5***	***9.0***
ALL METHODS	924	-	-	-	1	-	2	3	477	373	63	2	3
Arkray DiaScreen	6	-	-	-	-	-	-	-	5	1	-	-	-
Bayer Clinitek 10 / 100	13	-	-	-	-	-	-	-	4	9	-	-	-
Bayer Clinitek 200/200+	1	-	-	-	-	-	-	-	-	1	-	-	-
Bayer Clinitek 2000	1	-	-	-	-	-	-	-	1	-	-	-	-
Bayer Clinitek 50	48	-	-	-	-	-	-	-	3	45	-	-	-
Bayer Clinitek 500	15	-	-	-	-	-	-	-	1	14	-	-	-
Bayer Clinitek Advantus	22	-	-	-	-	-	-	-	-	22	-	-	-
Bayer Clinitek Atlas	6	-	-	-	-	-	-	-	6	-	-	-	-
Bayer Clinitek Status / Status+	353	-	-	-	-	-	-	1	337	15	-	-	-
Bayer Hemacombistix	1	-	-	-	-	-	-	-	-	1	-	-	-
Bayer Multistix Pro	2	-	-	-	-	-	-	-	-	2	-	-	-
Bayer Reagent Strips	233	-	-	-	-	-	-	-	24	200	7	2	-
Consult Diagnostics Urine Analyzer	14	-	-	-	-	-	-	2	12	-	-	-	-
CTMI CT-120 Urine Analyzer	9	-	-	-	-	-	-	-	-	9	-	-	-
Diagnostic Test Group Clarity Urocheck	8	-	-	-	-	-	-	-	1	7	-	-	-
Diagnostic Test Group Clarity Urocheck 120	14	-	-	-	-	-	-	-	1	13	-	-	-
Germaine Laboratories AimStrip	5	-	-	-	-	-	-	-	-	4	-	-	1
Henry Schein One Step Plus	1	-	-	-	-	-	-	-	1	-	-	-	-
Henry Schein Urispec	6	-	-	-	-	-	1	-	4	1	-	-	-
McKesson 10SG Reagent Strips	9	-	-	-	-	-	-	-	-	8	1	-	-
NDC Pro Advantage	1	-	-	-	-	-	-	-	-	1	-	-	-
Other Analyzer Method	7	-	-	-	-	-	-	-	3	3	1	-	-
Other Dipstick Method	15	-	-	-	-	-	-	-	10	3	2	-	-
pH Paper	1	-	-	-	-	-	-	-	1	-	-	-	-
PSS Select Reagent Strips	6	-	-	-	-	-	-	-	4	2	-	-	-
PSS Select Urine Analyzer	1	-	-	-	-	-	-	-	1	-	-	-	-
Roche Chemstrip 101	5	-	-	-	-	-	-	-	2	-	2	-	1
Roche Chemstrips	60	-	-	-	1	-	1	-	30	7	20	-	1
Roche Criterion Analyzer	13	-	-	-	-	-	-	-	2	-	11	-	-
Roche SuperUA/ChemstripUA	1	-	-	-	-	-	-	-	1	-	-	-	-
Roche Urisys	37	-	-	-	-	-	-	-	17	1	19	-	-
UriScan Reagent Strips	1	-	-	-	-	-	-	-	-	1	-	-	-

URINALYSIS DIPSTICK–PROTEIN QUALITATIVE

Specimen UA-3

		Participant Results						
Method	***Labs***	***Negative***	***Trace***	***30 mg/dL (1+)***	***100 mg/dL (2+)***	***300-500 mg/dL (3+)***	***≥300 mg/dL***	***≥1000 mg/dL (4+)***
ALL METHODS	962	-	-	7	88	420	320	127
Arkray DiaScreen	9	-	-	-	-	3	-	6
Bayer Albustix	2	-	-	1	1	-	-	-
Bayer Clinitek 10 / 100	13	-	-	-	3	4	5	1
Bayer Clinitek 200/200+	1	-	-	-	-	1	-	-
Bayer Clinitek 2000	1	-	-	-	-	-	1	-
Bayer Clinitek 50	48	-	-	-	-	14	34	-
Bayer Clinitek 500	15	-	-	-	-	9	5	1
Bayer Clinitek Advantus	21	-	-	-	-	16	5	-
Bayer Clinitek Atlas	6	-	-	-	-	3	3	-
Bayer Clinitek Status / Status+	353	-	-	-	-	112	240	1
Bayer Hemacombistix	1	-	-	-	-	1	-	-
Bayer Multistix Pro	2	-	-	-	-	2	-	-
Bayer Reagent Strips	234	-	-	2	50	78	19	85
Bayer Uristix	19	-	-	1	-	5	-	13
Consult Diagnostics Urine Analyzer	14	-	-	-	1	8	2	3
CTMI CT-120 Urine Analyzer	9	-	-	-	-	9	-	-
Diagnostic Test Group Clarity Urocheck	7	-	-	-	2	4	-	1
Diagnostic Test Group Clarity Urocheck 120	14	-	-	-	2	11	1	-
Germaine Laboratories AimStrip	5	-	-	-	1	4	-	-
Henry Schein One Step Plus	1	-	-	-	-	1	-	-
Henry Schein Urispec	6	-	-	-	-	6	-	-
McKesson 10SG Reagent Strips	9	-	-	-	4	3	-	2
NDC Pro Advantage	1	-	-	-	-	1	-	-
Other Analyzer Method	6	-	-	-	-	6	-	-
Other Dipstick Method	15	-	-	1	2	7	-	5
PSS Select Reagent Strips	6	-	-	-	-	2	1	3
PSS Select Urine Analyzer	1	-	-	-	-	-	-	1
Roche Chemstrip 101	5	-	-	-	-	5	-	-
Roche Chemstrips	74	-	-	2	15	56	-	1
Roche Criterion Analyzer	13	-	-	-	2	11	-	-
Roche SuperUA/ChemstripUA	1	-	-	-	1	-	-	-
Roche Urisys	36	-	-	-	3	32	-	1
Sulfosalicylic Acid	2	-	-	-	-	2	-	-
UriScan Reagent Strips	1	-	-	-	-	1	-	-

URINALYSIS DIPSTICK–GLUCOSE

Specimen UA-3

		Participant Results							
Method	***Labs***	***Negative***	***50-100 mg/dL (Trace)***	***150 mg/dL***	***250 mg/dL***	***500 mg/dL***	***1000 mg/dL***	***>1000 mg/dL***	***≥2000 mg/dL***
ALL METHODS	946	8	25	39	581	153	78	59	3
Arkray DiaScreen	7	1	3	2	1	-	-	-	-
Bayer Clinitek 10 / 100	13	-	1	1	7	3	-	1	-
Bayer Clinitek 200/200+	1	1	-	-	-	-	-	-	-
Bayer Clinitek 2000	1	-	-	-	1	-	-	-	-
Bayer Clinitek 50	47	-	1	3	19	24	-	-	-
Bayer Clinitek 500	15	-	-	-	9	6	-	-	-
Bayer Clinitek Advantus	21	-	-	3	7	10	-	-	1
Bayer Clinitek Atlas	6	-	-	-	1	5	-	-	-
Bayer Clinitek Status / Status+	353	1	1	17	293	36	3	2	-
Bayer Clinitest, 5 drop	1	1	-	-	-	-	-	-	-
Bayer Hemacombistix	1	-	-	-	1	-	-	-	-
Bayer Multistix Pro	2	-	-	-	2	-	-	-	-
Bayer Reagent Strips	235	3	12	8	163	43	5	1	-
Bayer Uristix	7	-	-	-	6	1	-	-	-
Consult Diagnostics Urine Analyzer	14	-	-	-	11	3	-	-	-
CTMI CT-120 Urine Analyzer	9	-	2	1	6	-	-	-	-
Diagnostic Test Group Clarity Urocheck	8	-	-	-	8	-	-	-	-
Diagnostic Test Group Clarity Urocheck 120	14	-	1	-	12	1	-	-	-
Germaine Laboratories AimStrip	5	-	1	1	3	-	-	-	-
Henry Schein One Step Plus	1	-	-	-	-	1	-	-	-
Henry Schein Urispec	6	-	-	1	1	3	-	1	-
McKesson 10SG Reagent Strips	9	-	1	1	7	-	-	-	-
NDC Pro Advantage	1	-	-	-	1	-	-	-	-
Other Analyzer Method	6	-	-	1	2	2	1	-	-
Other Dipstick Method	16	1	1	-	10	3	1	-	-
PSS Select Reagent Strips	6	-	-	-	1	3	2	-	-
PSS Select Urine Analyzer	1	-	-	-	1	-	-	-	-
Roche Chemstrip 101	5	-	-	-	-	-	-	5	-
Roche Chemstrips	74	-	1	-	1	4	55	12	1
Roche Criterion Analyzer	13	-	-	-	-	2	9	2	-
Roche SuperUA/ChemstripUA	1	-	-	-	-	-	1	-	-
Roche Urisys	37	-	-	-	-	2	1	34	-
UriScan Reagent Strips	1	-	-	-	1	-	-	-	-

URINALYSIS DIPSTICK–KETONES

Specimen UA-3

		Participant Results						
Method	***Labs***	***Negative***	***Trace (5 mg/dL)***	***Small (1+, 15 mg/dL)***	***Moderate (2+, 40 mg/dL)***	***Large (3+, 80 mg/dL)***	***150 mg/dL***	***≥ 160 mg/dL***
ALL METHODS	921	3	1	-	74	497	43	303
Arkray DiaScreen	6	-	-	-	1	2	-	3
Bayer Acetest	1	-	-	-	-	1	-	-
Bayer Clinitek 10 / 100	13	-	-	-	2	6	-	5
Bayer Clinitek 200/200+	1	-	-	-	-	1	-	-
Bayer Clinitek 2000	1	-	-	-	-	1	-	-
Bayer Clinitek 50	48	-	-	-	7	39	-	2
Bayer Clinitek 500	14	-	-	-	8	6	-	-
Bayer Clinitek Advantus	22	-	-	-	6	16	-	-
Bayer Clinitek Atlas	6	-	-	-	-	5	-	1
Bayer Clinitek Status / Status+	352	1	-	-	10	144	4	193
Bayer Ketostix	1	-	-	-	-	1	-	-
Bayer Multistix Pro	2	-	-	-	-	1	-	1
Bayer Reagent Strips	233	2	-	-	4	136	5	86
Consult Diagnostics Urine Analyzer	14	-	-	-	13	1	-	-
CTMI CT-120 Urine Analyzer	9	-	-	-	-	9	-	-
Diagnostic Test Group Clarity Urocheck	8	-	-	-	4	4	-	-
Diagnostic Test Group Clarity Urocheck 120	14	-	-	-	1	13	-	-
Germaine Laboratories AimStrip	5	-	-	-	-	4	-	1
Henry Schein One Step Plus	1	-	-	-	-	-	-	1
Henry Schein Urispec	6	-	-	-	-	5	-	1
McKesson 10SG Reagent Strips	9	-	1	-	1	5	-	2
NDC Pro Advantage	1	-	-	-	-	1	-	-
Other Analyzer Method	6	-	-	-	1	3	-	2
Other Dipstick Method	15	-	-	-	2	10	-	3
PSS Select Reagent Strips	5	-	-	-	-	3	2	-
PSS Select Urine Analyzer	1	-	-	-	-	1	-	-
Roche Chemstrip 101	5	-	-	-	2	2	1	-
Roche Chemstrips	60	-	-	-	5	55	-	-
Roche Criterion Analyzer	13	-	-	-	-	3	10	-
Roche SuperUA/ChemstripUA	1	-	-	-	-	1	-	-
Roche Urisys	37	-	-	-	7	10	20	-
UriScan Reagent Strips	1	-	-	-	-	1	-	-

URINALYSIS DIPSTICK–BILIRUBIN

Specimen UA-3

		Participant Results			
Method	***Labs***	***Negative***	***Small (1+)***	***Moderate (2+)***	***Large (3+)***
ALL METHODS	898	5	3	19	871
Arkray DiaScreen	6	-	-	-	6
Bayer Clinitek 10 / 100	13	-	-	-	13
Bayer Clinitek 200/200+	1	1	-	-	-
Bayer Clinitek 2000	1	-	-	-	1
Bayer Clinitek 50	46	-	-	-	46
Bayer Clinitek 500	14	-	-	4	10
Bayer Clinitek Advantus	20	1	1	6	12
Bayer Clinitek Atlas	6	-	-	-	6
Bayer Clinitek Status / Status+	340	1	-	-	339
Bayer Ictotest	4	-	-	-	4
Bayer Multistix Pro	2	-	-	-	2
Bayer Reagent Strips	228	2	1	3	222
Consult Diagnostics Urine Analyzer	14	-	-	-	14
CTMI CT-120 Urine Analyzer	9	-	-	-	9
Diagnostic Test Group Clarity Urocheck	7	-	1	-	6
Diagnostic Test Group Clarity Urocheck 120	13	-	-	-	13
Germaine Laboratories AimStrip	5	-	-	-	5
Henry Schein One Step Plus	1	-	-	-	1
Henry Schein Urispec	6	-	-	1	5
McKesson 10SG Reagent Strips	9	-	-	-	9
NDC Pro Advantage	1	-	-	-	1
Other Analyzer Method	6	-	-	-	6
Other Dipstick Method	15	-	-	1	14
PSS Select Reagent Strips	5	-	-	-	5
PSS Select Urine Analyzer	1	-	-	-	1
Roche Chemstrip 101	5	-	-	1	4
Roche Chemstrips	59	-	-	1	58
Roche Criterion Analyzer	13	-	-	1	12
Roche SuperUA/ChemstripUA	1	-	-	-	1
Roche Urisys	37	-	-	1	36
UriScan Reagent Strips	1	-	-	-	1

URINALYSIS DIPSTICK–UROBILINOGEN

Specimen UA-3

Participant Results

Method	***Labs***	***0.2/Normal mg/dL***	***1.0 mg/dL***	***2.0 mg/dL***	***4.0 mg/dL***	***>8.0 mg/dL***
ALL METHODS	883	9	2	9	28	835
Arkray DiaScreen	6	5	-	-	-	1
Bayer Clinitek 10 / 100	13	-	-	-	1	12
Bayer Clinitek 200/200+	1	-	-	-	-	1
Bayer Clinitek 2000	1	-	-	-	-	1
Bayer Clinitek 50	45	-	-	-	1	44
Bayer Clinitek 500	9	-	-	-	-	9
Bayer Clinitek Advantus	21	-	-	-	-	21
Bayer Clinitek Atlas	4	-	-	4	-	-
Bayer Clinitek Status / Status+	339	2	-	-	-	337
Bayer Multistix Pro	2	-	-	-	-	2
Bayer Reagent Strips	225	1	-	5	4	215
Consult Diagnostics Urine Analyzer	14	-	-	-	1	13
CTMI CT-120 Urine Analyzer	9	-	-	-	2	7
Diagnostic Test Group Clarity Urocheck	8	-	-	-	2	6
Diagnostic Test Group Clarity Urocheck 120	13	-	-	-	3	10
Germaine Laboratories AimStrip	5	-	-	-	1	4
Henry Schein One Step Plus	1	-	-	-	-	1
Henry Schein Urispec	6	-	1	-	-	5
McKesson 10SG Reagent Strips	9	-	-	-	2	7
NDC Pro Advantage	1	-	-	-	-	1
Other Analyzer Method	6	-	-	-	1	5
Other Dipstick Method	15	-	-	-	1	14
PSS Select Reagent Strips	5	-	-	-	-	5
PSS Select Urine Analyzer	1	-	-	-	-	1
Roche Chemstrip 101	5	-	-	-	-	5
Roche Chemstrips	59	1	1	-	8	49
Roche Criterion Analyzer	13	-	-	-	-	13
Roche SuperUA/ChemstripUA	1	-	-	-	-	1
Roche Urisys	37	-	-	-	1	36
UriScan Reagent Strips	1	-	-	-	-	1

URINALYSIS DIPSTICK–BLOOD/HEMOGLOBIN

Specimen UA-3

		Participant Results				
Method	***Labs***	***Negative***	***Trace***	***Small (5-10 RBC/µL, 1+)***	***Moderate (50 RBC/µL, 2+)***	***Large (250 RBC/µL, 3+)***
ALL METHODS	931	2	-	1	26	902
Arkray DiaScreen	6	-	-	-	-	6
Bayer Clinitek 10 / 100	13	-	-	-	-	13
Bayer Clinitek 200/200+	1	-	-	-	-	1
Bayer Clinitek 2000	1	-	-	-	-	1
Bayer Clinitek 50	48	-	-	-	-	48
Bayer Clinitek 500	15	-	-	-	-	15
Bayer Clinitek Advantus	22	-	-	-	-	22
Bayer Clinitek Atlas	6	-	-	-	-	6
Bayer Clinitek Status / Status+	351	-	-	-	7	344
Bayer Hemacombistix	1	-	-	-	-	1
Bayer Multistix Pro	2	-	-	-	-	2
Bayer Reagent Strips	233	-	-	-	-	233
Consult Diagnostics Urine Analyzer	14	-	-	-	-	14
CTMI CT-120 Urine Analyzer	9	-	-	-	-	9
Diagnostic Test Group Clarity Urocheck	8	-	-	-	1	7
Diagnostic Test Group Clarity Urocheck 120	14	-	-	-	1	13
Germaine Laboratories AimStrip	5	-	-	-	-	5
Henry Schein One Step Plus	1	-	-	-	-	1
Henry Schein Urispec	6	-	-	-	-	6
McKesson 10SG Reagent Strips	9	-	-	1	3	5
NDC Pro Advantage	1	-	-	-	-	1
Other Analyzer Method	6	-	-	-	1	5
Other Dipstick Method	15	1	-	-	1	13
PSS Select Reagent Strips	6	-	-	-	-	6
PSS Select Urine Analyzer	1	-	-	-	-	1
Roche Chemstrip 101	5	1	-	-	-	4
Roche Chemstrips	71	-	-	-	3	68
Roche Criterion Analyzer	13	-	-	-	-	13
Roche SuperUA/ChemstripUA	1	-	-	-	-	1
Roche Urisys	37	-	-	-	8	29
UriScan Reagent Strips	1	-	-	-	1	-

URINALYSIS DIPSTICK–LEUKOCYTE ESTERASE

Specimen UA-3

Participant Results

Method	***Labs***	***Negative***	***Trace***	***Small (1+)***	***Moderate (2+)***	***Large (3+)***
ALL METHODS	947	52	59	174	162	500
Arkray DiaScreen	9	4	1	3	-	1
Bayer Clinitek 10 / 100	13	-	-	7	2	4
Bayer Clinitek 200/200+	1	-	-	-	1	-
Bayer Clinitek 2000	1	-	-	-	-	1
Bayer Clinitek 50	48	-	-	-	-	48
Bayer Clinitek 500	15	-	-	1	14	-
Bayer Clinitek Advantus	22	-	-	-	22	-
Bayer Clinitek Atlas	6	-	-	-	-	6
Bayer Clinitek Status / Status+	353	1	-	-	2	350
Bayer Multistix Pro	2	-	1	-	1	-
Bayer Reagent Strips	230	3	15	95	69	48
Bayer Uristix	16	-	-	9	7	-
Consult Diagnostics Urine Analyzer	14	-	2	9	2	1
CTMI CT-120 Urine Analyzer	9	-	-	-	7	2
Diagnostic Test Group Clarity Urocheck	8	-	1	2	4	1
Diagnostic Test Group Clarity Urocheck 120	13	-	-	-	3	10
Germaine Laboratories AimStrip	5	-	-	-	1	4
Henry Schein Urispec	6	1	1	1	3	-
McKesson 10SG Reagent Strips	9	-	1	3	2	3
NDC Pro Advantage	1	-	-	-	-	1
Other Analyzer Method	6	-	-	-	2	4
Other Dipstick Method	15	6	2	1	4	2
PSS Select Reagent Strips	6	6	-	-	-	-
PSS Select Urine Analyzer	1	-	-	1	-	-
Roche Chemstrip 101	5	-	1	3	-	1
Roche Chemstrips	71	26	29	10	2	4
Roche Criterion Analyzer	13	-	-	9	4	-
Roche SuperUA/ChemstripUA	1	-	1	-	-	-
Roche Urisys	37	2	3	20	7	5
UriScan Reagent Strips	1	1	-	-	-	-

URINALYSIS DIPSTICK–NITRITE

Specimen UA-3

	Participant Results		
Method	***Labs***	***Positive***	***Negative***
ALL METHODS	943	938	5
Arkray DiaScreen	9	9	-
Bayer Clinitek 10 / 100	13	13	-
Bayer Clinitek 200/200+	1	1	-
Bayer Clinitek 2000	1	1	-
Bayer Clinitek 50	48	48	-
Bayer Clinitek 500	14	14	-
Bayer Clinitek Advantus	22	22	-
Bayer Clinitek Atlas	6	6	-
Bayer Clinitek Status / Status+	347	345	2
Bayer Multistix Pro	2	2	-
Bayer Reagent Strips	229	228	1
Bayer Uristix	16	16	-
Consult Diagnostics Urine Analyzer	13	13	-
CTMI CT-120 Urine Analyzer	9	9	-
Diagnostic Test Group Clarity Urocheck	8	8	-
Diagnostic Test Group Clarity Urocheck 120	14	14	-
Germaine Laboratories AimStrip	5	5	-
Henry Schein One Step Plus	1	1	-
Henry Schein Urispec	6	6	-
McKesson 10SG Reagent Strips	9	9	-
NDC Pro Advantage	1	1	-
Other Analyzer Method	6	5	1
Other Dipstick Method	15	14	1
PSS Select Reagent Strips	5	5	-
PSS Select Urine Analyzer	1	1	-
Roche Chemstrip 101	5	5	-
Roche Chemstrips	70	70	-
Roche Criterion Analyzer	12	12	-
Roche SuperUA/ChemstripUA	1	1	-
Roche Urisys	36	36	-
UriScan Reagent Strips	1	1	-

URINALYSIS –MICROALBUMIN (dipstick only)

Specimen UA-3

Participant Results

Method	***Labs***	***Negative***	***10 mg/L(Pos)***	***20/30 mg/L***	***50 mg/L (+)***	***80 mg/L***	***100 mg/L (++)***	***150 mg/L***
ALL METHODS	62	-	-	14	5	32	5	6
Bayer Clinitek Microalbumin	40	-	-	3	-	32	-	5
Micro-Bumintest	2	-	-	-	-	-	2	-
Roche Micral - 1 minute	20	-	-	11	5	-	3	1

URINALYSIS –URINE hCG

Specimen UA-3

Participant Results

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	534	520	14
AimStep Combo Pregnancy	7	7	-
Alfa Scientific Instant View	5	5	-
Bayer Clinitek Status / Status+	1	1	-
Beckman Coulter ICON 25 hCG	28	28	-
Beckman Coulter ICON II/20 HCG	3	3	-
Cardinal Health SP Brand combo	23	23	-
Cardinal Hlth SPBrand-cassette	7	7	-
CONSULT diagnostics hCG Cassette	48	47	1
CONSULT diagnostics hCG Combo	20	20	-
CONSULT diagnostics hCG Dipstick	16	16	-
Diagnostic Test Group Clarity hCG strip/cassette	6	6	-
Henry Schein One Step	57	57	-
Immunostics Cept-D	1	-	1
Immunostics Detector Combi	1	1	-
Immunostics hCG Detector-urine	7	6	1
Inverness Acceva hCG-Urine	3	3	-
Inverness Clearview 25 hCG Combo	1	1	-
Inverness Clearview hCG Combo II	1	1	-
McKesson hCG Combo Cassette	14	14	-
McKesson hCG Urine Cassette	22	21	1
McKesson urine hCG-all 20 mIU kits	6	6	-
MediChoice hCG Combi Cassette	6	6	-
MediChoice hCG Urine Cassette	1	1	-
NDC Pro Advantage	4	4	-
PEP (Lab Supply) HCG	2	2	-
Polymedco Poly stat hCG	8	8	-
PSS Select hCG Cassette	1	1	-
Quidel QuickVue One-Step Combo	24	24	-
Quidel QuickVue One-Step Urine	72	70	2
Quidel QuickVue+ One-Step Combo	22	19	3
RefuAH hCG Dipstick	2	2	-
Sekisui OSOM - Urine Test	5	2	3
Sekisui OSOM Card Pregnancy	9	9	-
Sekisui OSOM hCG Combo Test	13	12	1
Stanbio QuPID	6	6	-
Stanbio QuPID Plus	1	1	-
Stanbio TRUE hCG	7	7	-
Sure-Vue hCG - 25mIU	7	7	-
Sure-Vue hCG-STAT	5	5	-

FECAL OCCULT BLOOD

	Specimen OC-5			Specimen OC-6		
Method	***Labs***	***Positive***	***Negative***	***Labs***	***Positive***	***Negative***
ALL METHODS	441	439	2	441	8	433
Alfa Scientific Instant View	1	1	-	1	-	1
Beckman Coulter Hemoccult ICT	38	37	1	38	1	37
Guaiac (slide) Test	282	281	1	282	3	279
Hemosure IFOB	48	48	-	48	4	44
Inverness Clearview iFOBT Complete	2	2	-	2	-	2
Other Immunochemical FOB kit	29	29	-	29	-	29
Polymedco OC Auto Micro 80	6	6	-	6	-	6
Polymedco OC-Light iFOB	11	11	-	11	-	11
Quidel QuickVue iFOB	11	11	-	11	-	11

2014 M3
Urine Sediment Identification
SPECIMENS US-5 AND US-6

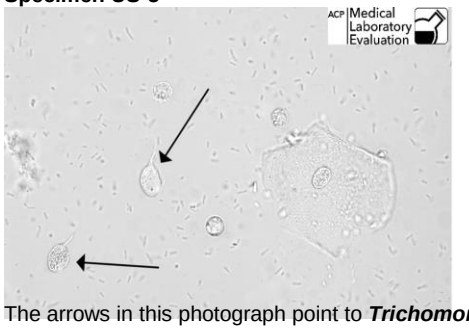
CASE HISTORY:
A 24-year-old sexually active female presented to her OB/GYN complaining of dysuria, genital discomfort, and discharge. A pelvic exam was performed and a urine specimen was collected. Urinalysis results appear below.

Color= Yellow
Appearance= Hazy

Dipstick results:
specific gravity = 1.020
pH = 6.5
Blood = trace
Leukocyte esterase = trace
Protein, glucose, ketones, bilirubin, urobilinogen, and nitrite = negative

This patient was diagnosed with a bacterial urinary tract infection and trichomoniasis. *Trichomonas vaginalis* is a common parasite of the vaginal mucosa in females and of the urogenital tract of males. Infected females usually have a yellow-green vaginal discharge, although they can be asymptomatic. Infected males are usually asymptomatic. *T. vaginalis* is frequently accompanied by WBCs and epithelial cells. It may also be seen in urine as a contaminant from the genital area in an otherwise normal urine specimen. Due to the close proximity of the female urethra and vagina, pathogenic organisms can be easily transferred between the urinary tract and the genital tract.

Specimen US-5



Identification	Labs	Percent	Performance
Trichomonas vaginalis	608	97.28%	Acceptable
White blood cell (WBC)	5	0.80%	

The arrows in this photograph point to ***Trichomonas vaginalis***. Trichomonas is a flagellated protozoan parasite. It is pear-shaped, about the same size as a large WBC or transitional epithelial cell, and is easily identified by its rapid, jerky, irregular, rotating motility. It has a single nucleus, four anterior flagella, an anterior undulating membrane, and a sharp protruding posterior axostyle. Trichomonas is sexually-transmitted, and primarily responsible for vaginal infections, however it may also infect the urinary tract and prostate. When seen in urine, it is often there as a contaminant from the genital tract. To view another photo of trichomonas, see 2013 M3 Specimen PPM-13**.**

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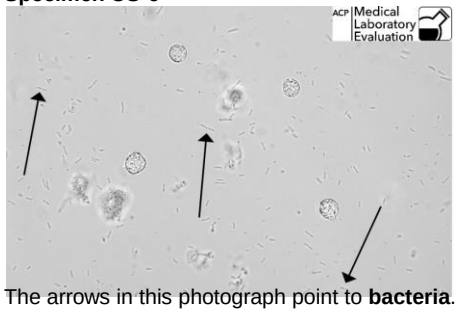
Specimen US-6



Identification	Labs	Percent	Performance
Bacteria	615	98.40%	Acceptable
Yeast/fungi	7	1.12%	

The arrows in this photograph point to **bacteria**. Most urinary tract infections are caused by rod-shaped enteric bacilli such as *E. coli*. Many of these common pathogens make enzymes that convert nitrate, a normal waste product in the urine, into nitrite. A positive dipstick nitrite test indicates the presence of a significant number of bacteria. However, a negative result for nitrite does not rule out the possibility of a urinary tract infection, mainly because not all organisms convert nitrate to nitrite. In addition, urine must stay in the bladder at least 4 hours for the chemical conversion to take place. Frequent urination is a common symptom of UTI, and can cause a false negative nitrite result because the urine has not remained in the bladder long enough for nitrite to form. This is one of the reasons that a first morning specimen is preferred for urinalysis. To view another photo of bacteria see 2011 M1 Specimen US-2.

References:

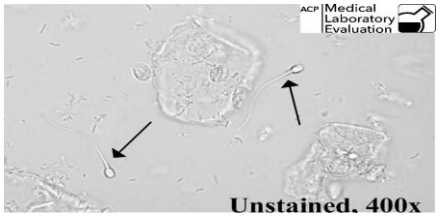
Mundt, L.A, Shanahan, K.: ***Graff's Textbook of Routine** Urinalysis and Body Fluids, 2nd ed.* Philadelphia, Lippincott Williams & Wilkins, 2011.

Ringsrud, K. M., Linné, J. J.: *Urinalysis and Body Fluids/ A ColorText and Atlas.* St. Louis, Mosby, 1995.

PROVIDER-PERFORMED MICROSCOPY (PPM)

Wet Mount Preparation

Specimen PPM-13

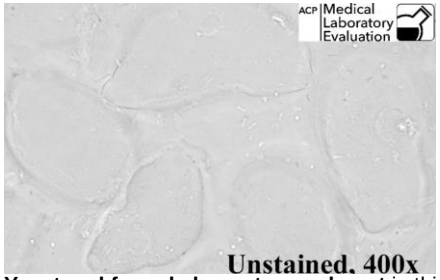


Identification	Labs	Percent	Performance
Spermatozoa	571	97.77%	Acceptable

The arrows in this photograph of a wet mount preparation point to **spermatozoa.** Some labs consider sperm to be contaminants and choose not to report their presence at all. However, the laboratory may not have sufficient information to determine the significance of the findings. Sperm may indicate sexual abuse when found in a child or a mentally or physically incapacitated woman**.**

KOH Preparation

Specimen PPM-14

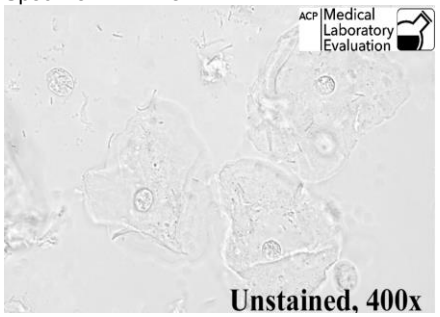


Identification	Labs	Percent	Performance
Yeast/fungal elements absent	528	94.79%	Acceptable
Yeast/fungal elements present	29	5.21%	

Yeast and fungal elements are absent in this photograph of a vaginal KOH prep

PROVIDER-PERFORMED MICROSCOPY (PPM)

Sperm Identification
Specimen PPM-15



Identification	Labs	Percent	Performance
Sperm absent	562	99.29%	Acceptable
Sperm present	4	0.72%	

Spermatozoa are absent in this photograph of a vaginal wet prep.
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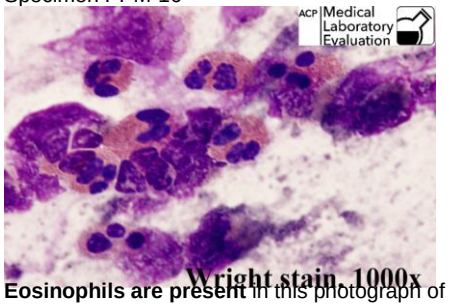
Nasal Smear
Specimen PPM-16

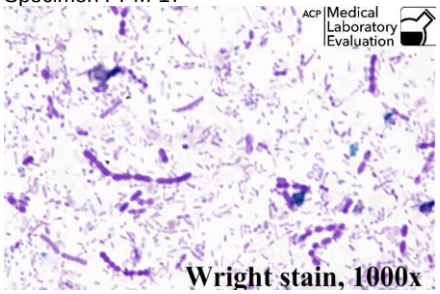


Identification	Labs	Percent	Performance
Eosinophils present	168	100%	Acceptable

Eosinophils are present in this photograph of Wright-stained nasal mucus.

PROVIDER-PERFORMED MICROSCOPY (PPM)

Stool Preparation
Specimen PPM-17



Identification	Labs	Percent	Performance
Leukocytes are absent	198	93.40%	Acceptable
Leukocytes are present	14	6.60%	

Leukocytes are absent in this photograph of a Wright-stained stool preparation.

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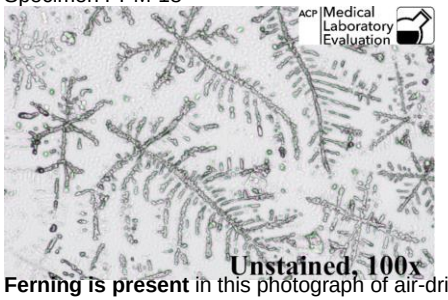
Vaginal Fluid Preparation
Specimen PPM-18



Identification	Labs	Percent	Performance
Ferning present	262	100%	Acceptable

Ferning is present in this photograph of air-dried vaginal secretions.

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