# MEDICAL LABORATORY EVALUATION

## PARTICIPANT SUMMARY

# 2 • 0 • 1 • 8

**Please see the corresponding US participant summary for any statistics not represented in this supplement.**

International Data Supplement
2018 MLE-M2

ACP Medical Laboratory Evaluation

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

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## Immunology



## Chemistry

## 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/Semi-Quantitatve

For qualitative/semi-quantitative procedures, evaluation is based on participant or referee consensus. A minimum percentage of participants must receive a passing score or the challenge is not evaluated due to lack of consensus. These percentages are listed below.

| | |
|---|---|
| Antimicrobial Susceptibility Testing | 80% Consensus |
| Antinuclear Antibody | 80% Consensus |
| Blood Bank | 95% Consensus |
| Cytomegalovirus | 80% Consensus |
| Microalbumin (Semi-Quantitative) | 80% Consensus |
| Parasite Identification | 80% Consensus |
| Rubella | 80% Consensus |
| Syphilis Serology | 80% Consensus |
| Toxoplasma | 80% Consensus |
| Urine Dipstick | 80% Consensus |
| Urine hCG | 80% Consensus |
| Viral Markers | 80% Consensus |

### Quantitative

For quantitative procedures, a mean and standard deviation (SD) are calculated for each peer group consisting of 10 or more laboratories. Acceptable performance is established based 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."

| | |
|---|---|
| Activated Partial Thromboplastin Time | ± 15% |
| Automated Differential | ± 3 SD |
| CK-MB (U/L) | ± 3 SD |
| Cytomegalovirus | ± 2 SD |
| Fibrinogen | ± 20% |
| Glycohemoglobin | ± 6% |
| Hematocrit | ± 6% |
| Hemoglobin | ± 7% |
| International Normalized Ratio (INR) | ± 20% |
| Platelet Count | ± 25% |
| Prothrombin Time | ± 15% |
| Red Blood Cell Count | ± 6% |
| Rubella | ± 3 SD |
| Specific Gravity | ± 0.010 |
| Toxoplasma | ± 2 SD |
| White Blood Cell Count | ± 15% |

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

| | Specimen CL-6 | | | | | | Specimen CL-7 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 52 | 5.88 | 0.73 | 12.4 | 5.7 | 4.9 - 6.8 | 52 | 6.55 | 0.68 | 10.4 | 6.3 | 5.5 - 7.6 |
| All Abbott Cell-Dyn Instruments | 17 | 6.82 | 0.16 | 2.3 | 6.8 | 5.7 - 7.9 | 17 | 7.38 | 0.23 | 3.2 | 7.5 | 6.2 - 8.5 |
| Abbott Cell-Dyn Ruby | 14 | 6.83 | 0.17 | 2.5 | 6.9 | 5.8 - 7.9 | 14 | 7.39 | 0.23 | 3.2 | 7.5 | 6.2 - 8.6 |
| Orphee Mythic 22 | 34 | 5.42 | 0.34 | 6.3 | 5.5 | 4.6 - 6.3 | 34 | 6.15 | 0.40 | 6.5 | 6.2 | 5.2 - 7.1 |
| | **Specimen CL-8** | | | | | | **Specimen CL-9** | | | | | |
| All Method | 52 | 2.65 | 0.42 | 15.7 | 2.6 | 2.2 - 3.1 | 51 | 6.46 | 0.60 | 9.3 | 6.4 | 5.4 - 7.5 |
| All Abbott Cell-Dyn Instruments | 16 | 3.20 | 0.13 | 4.0 | 3.3 | 2.7 - 3.7 | 16 | 7.19 | 0.18 | 2.6 | 7.2 | 6.1 - 8.3 |
| Abbott Cell-Dyn Ruby | 14 | 3.22 | 0.11 | 3.3 | 3.3 | 2.7 - 3.8 | 14 | 7.19 | 0.20 | 2.8 | 7.3 | 6.1 - 8.3 |
| Orphee Mythic 22 | 34 | 2.42 | 0.22 | 9.0 | 2.4 | 2.0 - 2.8 | 32 | 6.21 | 0.25 | 4.0 | 6.3 | 5.2 - 7.2 |
| | **Specimen CL-10** | | | | | | | | | | | |
| All Method | 52 | 2.68 | 0.41 | 15.3 | 2.5 | 2.2 - 3.1 | | | | | | |
| All Abbott Cell-Dyn Instruments | 17 | 3.19 | 0.11 | 3.3 | 3.2 | 2.7 - 3.7 | | | | | | |
| Abbott Cell-Dyn Ruby | 14 | 3.22 | 0.08 | 2.5 | 3.2 | 2.7 - 3.8 | | | | | | |
| Orphee Mythic 22 | 34 | 2.43 | 0.23 | 9.4 | 2.4 | 2.0 - 2.8 | | | | | | |

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

| Instrument | Labs | Mean | SD | CV | Median | Range | Labs | Mean | SD | CV | Median | Range |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Specimen CL-6 | | | | | | Specimen CL-7 | | | | | |
| All Method | 52 | 6.140 | 0.185 | 3.0 | 6.12 | 5.77 - 6.51 | 52 | 4.581 | 0.154 | 3.4 | 4.57 | 4.30 - 4.86 |
| All Abbott Cell-Dyn Instruments | 18 | 6.293 | 0.135 | 2.1 | 6.27 | 5.91 - 6.68 | 18 | 4.706 | 0.106 | 2.2 | 4.70 | 4.42 - 4.99 |
| Abbott Cell-Dyn Ruby | 15 | 6.304 | 0.137 | 2.2 | 6.27 | 5.92 - 6.69 | 15 | 4.729 | 0.080 | 1.7 | 4.70 | 4.44 - 5.02 |
| Orphee Mythic 22 | 32 | 6.053 | 0.122 | 2.0 | 6.06 | 5.68 - 6.42 | 32 | 4.509 | 0.109 | 2.4 | 4.51 | 4.23 - 4.78 |
| | Specimen CL-8 | | | | | | Specimen CL-9 | | | | | |
| All Method | 53 | 2.081 | 0.070 | 3.4 | 2.08 | 1.95 - 2.21 | 51 | 4.548 | 0.123 | 2.7 | 4.55 | 4.27 - 4.83 |
| All Abbott Cell-Dyn Instruments | 18 | 2.119 | 0.054 | 2.6 | 2.12 | 1.99 - 2.25 | 17 | 4.664 | 0.110 | 2.4 | 4.69 | 4.38 - 4.95 |
| Abbott Cell-Dyn Ruby | 15 | 2.129 | 0.035 | 1.7 | 2.13 | 2.00 - 2.26 | 15 | 4.691 | 0.078 | 1.7 | 4.70 | 4.40 - 4.98 |
| Orphee Mythic 22 | 34 | 2.064 | 0.070 | 3.4 | 2.06 | 1.94 - 2.19 | 33 | 4.495 | 0.078 | 1.7 | 4.50 | 4.22 - 4.77 |
| | Specimen CL-10 | | | | | | | | | | | |
| All Method | 53 | 2.080 | 0.060 | 2.9 | 2.08 | 1.95 - 2.21 | | | | | | |
| All Abbott Cell-Dyn Instruments | 18 | 2.110 | 0.058 | 2.7 | 2.12 | 1.98 - 2.24 | | | | | | |
| Abbott Cell-Dyn Ruby | 15 | 2.121 | 0.038 | 1.8 | 2.12 | 1.99 - 2.25 | | | | | | |
| Orphee Mythic 22 | 33 | 2.063 | 0.044 | 2.1 | 2.06 | 1.93 - 2.19 | | | | | | |

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

| | Specimen CL-6 | | | | | | Specimen CL-7 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 53 | 16.03 | 1.40 | 8.7 | 15.4 | 14.9 - 17.2 | 53 | 12.23 | 1.06 | 8.7 | 11.7 | 11.3 - 13.1 |
| All Abbott Cell-Dyn Instruments | 18 | 17.88 | 0.41 | 2.3 | 18.0 | 16.6 - 19.2 | 17 | 13.53 | 0.18 | 1.3 | 13.5 | 12.5 - 14.5 |
| Abbott Cell-Dyn Ruby | 15 | 17.95 | 0.41 | 2.3 | 18.0 | 16.6 - 19.3 | 14 | 13.58 | 0.14 | 1.0 | 13.6 | 12.6 - 14.6 |
| Orphee Mythic 22 | 34 | 15.06 | 0.37 | 2.5 | 15.1 | 14.0 - 16.2 | 33 | 11.48 | 0.26 | 2.3 | 11.5 | 10.6 - 12.3 |
| | **Specimen CL-8** | | | | | | **Specimen CL-9** | | | | | |
| All Method | 52 | 5.03 | 0.46 | 9.1 | 4.8 | 4.6 - 5.4 | 53 | 12.16 | 1.04 | 8.6 | 11.7 | 11.3 - 13.1 |
| All Abbott Cell-Dyn Instruments | 18 | 5.62 | 0.15 | 2.6 | 5.6 | 5.2 - 6.1 | 17 | 13.40 | 0.35 | 2.6 | 13.4 | 12.4 - 14.4 |
| Abbott Cell-Dyn Ruby | 15 | 5.60 | 0.15 | 2.7 | 5.6 | 5.2 - 6.0 | 15 | 13.43 | 0.36 | 2.6 | 13.4 | 12.4 - 14.4 |
| Orphee Mythic 22 | 33 | 4.71 | 0.15 | 3.1 | 4.7 | 4.3 - 5.1 | 34 | 11.46 | 0.27 | 2.3 | 11.5 | 10.6 - 12.3 |
| | **Specimen CL-10** | | | | | | | | | | | |
| All Method | 53 | 5.02 | 0.46 | 9.2 | 4.8 | 4.6 - 5.4 | | | | | | |
| All Abbott Cell-Dyn Instruments | 18 | 5.62 | 0.15 | 2.6 | 5.6 | 5.2 - 6.1 | | | | | | |
| Abbott Cell-Dyn Ruby | 15 | 5.59 | 0.14 | 2.5 | 5.6 | 5.1 - 6.0 | | | | | | |
| Orphee Mythic 22 | 33 | 4.73 | 0.12 | 2.5 | 4.7 | 4.4 - 5.1 | | | | | | |

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

| | Specimen CL-6 | | | | | | Specimen CL-7 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 52 | 51.61 | 2.06 | 4.0 | 51.8 | 48.5 - 54.8 | 51 | 38.57 | 1.31 | 3.4 | 38.5 | 36.2 - 40.9 |
| All Abbott Cell-Dyn Instruments | 18 | 51.07 | 2.97 | 5.8 | 50.8 | 48.0 - 54.2 | 18 | 38.29 | 1.79 | 4.7 | 38.0 | 35.9 - 40.6 |
| Abbott Cell-Dyn Ruby | 15 | 50.25 | 1.79 | 3.6 | 50.5 | 47.2 - 53.3 | 15 | 37.85 | 1.17 | 3.1 | 38.0 | 35.5 - 40.2 |
| Orphee Mythic 22 | 34 | 52.11 | 1.76 | 3.4 | 52.4 | 48.9 - 55.3 | 33 | 38.89 | 1.24 | 3.2 | 39.0 | 36.5 - 41.3 |
| | **Specimen CL-8** | | | | | | **Specimen CL-9** | | | | | |
| All Method | 53 | 15.98 | 0.84 | 5.3 | 15.9 | 15.0 - 17.0 | 51 | 38.53 | 1.29 | 3.3 | 38.5 | 36.2 - 40.9 |
| All Abbott Cell-Dyn Instruments | 17 | 15.28 | 0.51 | 3.4 | 15.3 | 14.3 - 16.2 | 17 | 37.74 | 1.22 | 3.2 | 37.5 | 35.4 - 40.0 |
| Abbott Cell-Dyn Ruby | 15 | 15.30 | 0.47 | 3.0 | 15.3 | 14.3 - 16.3 | 15 | 37.61 | 1.09 | 2.9 | 37.5 | 35.3 - 39.9 |
| Orphee Mythic 22 | 34 | 16.26 | 0.72 | 4.4 | 16.3 | 15.2 - 17.3 | 33 | 38.95 | 1.15 | 3.0 | 39.0 | 36.6 - 41.3 |
| | **Specimen CL-10** | | | | | | | | | | | |
| All Method | 52 | 15.96 | 0.80 | 5.0 | 15.9 | 15.0 - 17.0 | | | | | | |
| All Abbott Cell-Dyn Instruments | 17 | 15.22 | 0.49 | 3.2 | 15.1 | 14.3 - 16.2 | | | | | | |
| Abbott Cell-Dyn Ruby | 15 | 15.26 | 0.47 | 3.1 | 15.1 | 14.3 - 16.2 | | | | | | |
| Orphee Mythic 22 | 33 | 16.29 | 0.58 | 3.5 | 16.4 | 15.3 - 17.3 | | | | | | |

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

| | Specimen CL-6 | | | | | | Specimen CL-7 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 52 | 345.5 | 22.2 | 6.4 | 349 | 259 - 432 | 51 | 267.0 | 20.0 | 7.5 | 262 | 200 - 334 |
| All Abbott Cell-Dyn Instruments | 18 | 357.5 | 26.8 | 7.5 | 353 | 268 - 447 | 17 | 251.0 | 8.9 | 3.6 | 248 | 188 - 314 |
| Abbott Cell-Dyn Ruby | 15 | 360.1 | 26.4 | 7.3 | 354 | 270 - 451 | 15 | 251.7 | 9.1 | 3.6 | 248 | 188 - 315 |
| Orphee Mythic 22 | 34 | 343.3 | 20.7 | 6.0 | 347 | 257 - 430 | 32 | 275.8 | 17.9 | 6.5 | 273 | 206 - 345 |
| | **Specimen CL-8** | | | | | | **Specimen CL-9** | | | | | |
| All Method | 53 | 94.1 | 14.8 | 15.7 | 98 | 70 - 118 | 53 | 266.1 | 17.8 | 6.7 | 263 | 199 - 333 |
| All Abbott Cell-Dyn Instruments | 18 | 77.2 | 6.2 | 8.0 | 76 | 57 - 97 | 18 | 252.6 | 12.3 | 4.9 | 252 | 189 - 316 |
| Abbott Cell-Dyn Ruby | 15 | 75.9 | 3.3 | 4.4 | 75 | 56 - 95 | 15 | 251.4 | 11.0 | 4.4 | 251 | 188 - 315 |
| Orphee Mythic 22 | 34 | 103.6 | 8.3 | 8.1 | 104 | 77 - 130 | 34 | 273.9 | 15.6 | 5.7 | 273 | 205 - 343 |
| | **Specimen CL-10** | | | | | | | | | | | |
| All Method | 53 | 92.7 | 14.3 | 15.4 | 94 | 69 - 116 | | | | | | |
| All Abbott Cell-Dyn Instruments | 18 | 75.8 | 6.4 | 8.4 | 75 | 56 - 95 | | | | | | |
| Abbott Cell-Dyn Ruby | 15 | 74.3 | 4.4 | 5.9 | 75 | 55 - 93 | | | | | | |
| Orphee Mythic 22 | 34 | 102.0 | 7.3 | 7.1 | 103 | 76 - 128 | | | | | | |

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

| | Specimen CL-6 | | | | | | Specimen CL-7 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 51 | 49.99 | 2.20 | 4.4 | 49.8 | 43.3 - 56.6 | 51 | 64.89 | 1.70 | 2.6 | 65.0 | 59.7 - 70.0 |
| All Abbott Cell-Dyn Instruments | 16 | 52.42 | 1.01 | 1.9 | 52.3 | 49.3 - 55.5 | 17 | 66.57 | 1.10 | 1.7 | 66.5 | 63.2 - 69.9 |
| Abbott Cell-Dyn Ruby | 13 | 52.45 | 1.08 | 2.1 | 52.5 | 49.2 - 55.7 | 14 | 66.51 | 1.15 | 1.7 | 66.5 | 63.0 - 70.0 |
| Orphee Mythic 22 | 34 | 48.84 | 1.63 | 3.3 | 49.2 | 43.9 - 53.8 | 33 | 64.07 | 1.29 | 2.0 | 64.3 | 60.2 - 68.0 |
| | **Specimen CL-8** | | | | | | **Specimen CL-9** | | | | | |
| All Method | 52 | 44.32 | 1.44 | 3.2 | 44.4 | 40.0 - 48.7 | 52 | 64.66 | 1.89 | 2.9 | 64.2 | 58.9 - 70.4 |
| All Abbott Cell-Dyn Instruments | 17 | 45.48 | 1.14 | 2.5 | 45.3 | 42.0 - 49.0 | 17 | 66.65 | 1.39 | 2.1 | 66.3 | 62.4 - 70.9 |
| Abbott Cell-Dyn Ruby | 14 | 45.64 | 1.19 | 2.6 | 45.6 | 42.0 - 49.3 | 14 | 66.74 | 1.52 | 2.3 | 66.6 | 62.1 - 71.4 |
| Orphee Mythic 22 | 34 | 43.73 | 1.22 | 2.8 | 43.8 | 40.0 - 47.4 | 34 | 63.66 | 1.22 | 1.9 | 63.8 | 59.9 - 67.4 |
| | **Specimen CL-10** | | | | | | | | | | | |
| All Method | 52 | 44.09 | 1.66 | 3.8 | 44.1 | 39.1 - 49.1 | | | | | | |
| All Abbott Cell-Dyn Instruments | 17 | 45.21 | 1.33 | 2.9 | 45.1 | 41.2 - 49.3 | | | | | | |
| Abbott Cell-Dyn Ruby | 14 | 45.14 | 1.22 | 2.7 | 45.2 | 41.4 - 48.8 | | | | | | |
| Orphee Mythic 22 | 34 | 43.60 | 1.54 | 3.5 | 43.3 | 38.9 - 48.3 | | | | | | |

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

| | Specimen CL-6 | | | | | | Specimen CL-7 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 52 | 29.30 | 8.92 | 30.4 | 30.8 | 2.5 - 56.1 | 52 | 18.93 | 4.86 | 25.7 | 20.3 | 4.3 - 33.6 |
| All Abbott Cell-Dyn Instruments | 17 | 39.08 | 1.21 | 3.1 | 39.4 | 35.4 - 42.8 | 17 | 23.77 | 1.75 | 7.4 | 24.0 | 18.5 - 29.1 |
| Abbott Cell-Dyn Ruby | 14 | 38.96 | 1.24 | 3.2 | 39.3 | 35.2 - 42.7 | 14 | 23.85 | 1.83 | 7.7 | 24.2 | 18.3 - 29.4 |
| Orphee Mythic 22 | 34 | 24.68 | 6.95 | 28.1 | 23.8 | 3.8 - 45.6 | 34 | 16.67 | 4.11 | 24.7 | 16.4 | 4.3 - 29.1 |
| | **Specimen CL-8** | | | | | | **Specimen CL-9** | | | | | |
| All Method | 52 | 33.64 | 9.37 | 27.9 | 34.4 | 5.5 - 61.8 | 52 | 19.05 | 4.97 | 26.1 | 19.3 | 4.1 - 34.0 |
| All Abbott Cell-Dyn Instruments | 17 | 44.36 | 1.94 | 4.4 | 44.5 | 38.5 - 50.2 | 17 | 23.98 | 2.08 | 8.7 | 24.6 | 17.7 - 30.3 |
| Abbott Cell-Dyn Ruby | 14 | 44.64 | 1.90 | 4.3 | 45.1 | 38.9 - 50.4 | 14 | 23.95 | 2.26 | 9.4 | 24.7 | 17.1 - 30.8 |
| Orphee Mythic 22 | 34 | 28.55 | 6.74 | 23.6 | 28.5 | 8.3 - 48.8 | 34 | 16.72 | 4.16 | 24.9 | 16.5 | 4.2 - 29.3 |
| | **Specimen CL-10** | | | | | | | | | | | |
| All Method | 52 | 33.57 | 9.49 | 28.3 | 33.8 | 5.0 - 62.1 | | | | | | |
| All Abbott Cell-Dyn Instruments | 17 | 44.49 | 1.87 | 4.2 | 44.7 | 38.8 - 50.1 | | | | | | |
| Abbott Cell-Dyn Ruby | 14 | 44.62 | 1.82 | 4.1 | 44.5 | 39.1 - 50.1 | | | | | | |
| Orphee Mythic 22 | 34 | 28.31 | 6.80 | 24.0 | 27.7 | 7.9 - 48.7 | | | | | | |

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

| | Specimen CL-6 | | | | | | Specimen CL-7 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 52 | 16.78 | 9.44 | 56.2 | 18.0 | 0.0 - 45.1 | 52 | 11.57 | 5.35 | 46.3 | 12.2 | 0.0 - 27.7 |
| All Abbott Cell-Dyn Instruments | 17 | 5.16 | 0.70 | 13.6 | 4.9 | 3.0 - 7.3 | 17 | 5.05 | 0.78 | 15.5 | 4.9 | 2.6 - 7.4 |
| Abbott Cell-Dyn Ruby | 14 | 5.31 | 0.69 | 13.0 | 5.1 | 3.2 - 7.4 | 14 | 4.96 | 0.79 | 16.0 | 4.8 | 2.5 - 7.4 |
| Orphee Mythic 22 | 34 | 22.30 | 5.80 | 26.0 | 22.2 | 4.8 - 39.8 | 34 | 14.61 | 3.30 | 22.6 | 15.1 | 4.7 - 24.6 |
| | **Specimen CL-8** | | | | | | **Specimen CL-9** | | | | | |
| All Method | 52 | 18.29 | 9.61 | 52.5 | 19.4 | 0.0 - 47.2 | 52 | 11.58 | 5.41 | 46.7 | 12.5 | 0.0 - 27.8 |
| All Abbott Cell-Dyn Instruments | 17 | 6.55 | 1.54 | 23.6 | 6.5 | 1.9 - 11.2 | 17 | 4.98 | 0.84 | 17.0 | 4.6 | 2.4 - 7.6 |
| Abbott Cell-Dyn Ruby | 14 | 6.08 | 0.97 | 16.0 | 6.3 | 3.1 - 9.0 | 14 | 4.91 | 0.89 | 18.1 | 4.6 | 2.2 - 7.6 |
| Orphee Mythic 22 | 34 | 23.88 | 5.97 | 25.0 | 24.1 | 5.9 - 41.8 | 34 | 14.73 | 3.38 | 22.9 | 14.9 | 4.6 - 24.9 |
| | **Specimen CL-10** | | | | | | | | | | | |
| All Method | 52 | 18.47 | 9.63 | 52.2 | 19.3 | 0.0 - 47.4 | | | | | | |
| All Abbott Cell-Dyn Instruments | 17 | 6.61 | 0.96 | 14.6 | 6.3 | 3.7 - 9.6 | | | | | | |
| Abbott Cell-Dyn Ruby | 14 | 6.55 | 1.00 | 15.2 | 6.3 | 3.5 - 9.6 | | | | | | |
| Orphee Mythic 22 | 34 | 24.12 | 5.90 | 24.5 | 24.9 | 6.4 - 41.9 | | | | | | |

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

| | Specimen CL-6 | | | | | | Specimen CL-7 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 51 | 3.18 | 0.91 | 28.7 | 3.2 | 0.4 - 6.0 | 51 | 3.91 | 1.02 | 26.0 | 4.1 | 0.8 - 7.0 |
| All Abbott Cell-Dyn Instruments | 16 | 3.22 | 0.28 | 8.7 | 3.2 | 2.3 - 4.1 | 15 | 4.15 | 0.13 | 3.1 | 4.2 | 3.7 - 4.6 |
| Abbott Cell-Dyn Ruby | 13 | 3.16 | 0.27 | 8.5 | 3.2 | 2.3 - 4.0 | 13 | 4.22 | 0.27 | 6.4 | 4.2 | 3.4 - 5.1 |
| Orphee Mythic 22 | 33 | 3.17 | 1.13 | 35.5 | 3.2 | 0.0 - 6.6 | 33 | 3.78 | 1.23 | 32.6 | 3.8 | 0.0 - 7.5 |
| | **Specimen CL-8** | | | | | | **Specimen CL-9** | | | | | |
| All Method | 50 | 3.21 | 0.64 | 19.8 | 3.3 | 1.3 - 5.2 | 51 | 4.02 | 1.20 | 29.9 | 4.1 | 0.4 - 7.7 |
| All Abbott Cell-Dyn Instruments | 16 | 3.34 | 0.35 | 10.4 | 3.4 | 2.3 - 4.4 | 16 | 4.16 | 0.26 | 6.3 | 4.2 | 3.3 - 5.0 |
| Abbott Cell-Dyn Ruby | 13 | 3.38 | 0.29 | 8.7 | 3.4 | 2.5 - 4.3 | 13 | 4.15 | 0.19 | 4.7 | 4.2 | 3.5 - 4.8 |
| Orphee Mythic 22 | 34 | 3.30 | 0.96 | 29.0 | 3.3 | 0.4 - 6.2 | 34 | 4.11 | 1.72 | 41.8 | 4.2 | 0.0 - 9.3 |
| | **Specimen CL-10** | | | | | | | | | | | |
| All Method | 52 | 3.43 | 0.82 | 23.9 | 3.3 | 0.9 - 6.0 | | | | | | |
| All Abbott Cell-Dyn Instruments | 16 | 3.46 | 0.44 | 12.7 | 3.5 | 2.1 - 4.8 | | | | | | |
| Abbott Cell-Dyn Ruby | 13 | 3.42 | 0.41 | 12.1 | 3.4 | 2.1 - 4.7 | | | | | | |
| Orphee Mythic 22 | 34 | 3.44 | 0.97 | 28.3 | 3.3 | 0.5 - 6.4 | | | | | | |

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

| | Specimen CL-6 | | | | | | Specimen CL-7 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 51 | 0.53 | 0.47 | 87.9 | 0.5 | 0.0 - 2.0 | 50 | 0.53 | 0.34 | 64.8 | 0.5 | 0.0 - 1.6 |
| All Abbott Cell-Dyn Instruments | 16 | 0.07 | 0.09 | 127.0 | 0.0 | 0.0 - 0.4 | 16 | 0.28 | 0.27 | 98.9 | 0.2 | 0.0 - 1.1 |
| Abbott Cell-Dyn Ruby | 13 | 0.08 | 0.09 | 120.5 | 0.0 | 0.0 - 0.4 | 13 | 0.30 | 0.30 | 99.1 | 0.2 | 0.0 - 1.2 |
| Orphee Mythic 22 | 33 | 0.76 | 0.42 | 55.4 | 0.7 | 0.0 - 2.1 | 33 | 0.66 | 0.31 | 46.5 | 0.7 | 0.0 - 1.6 |
| | **Specimen CL-8** | | | | | | **Specimen CL-9** | | | | | |
| All Method | 51 | 0.41 | 0.30 | 73.7 | 0.3 | 0.0 - 1.4 | 51 | 0.53 | 0.40 | 74.5 | 0.5 | 0.0 - 1.8 |
| All Abbott Cell-Dyn Instruments | 17 | 0.23 | 0.21 | 90.9 | 0.2 | 0.0 - 0.9 | 17 | 0.21 | 0.17 | 81.4 | 0.2 | 0.0 - 0.8 |
| Abbott Cell-Dyn Ruby | 14 | 0.22 | 0.23 | 103.6 | 0.2 | 0.0 - 1.0 | 14 | 0.22 | 0.18 | 79.6 | 0.2 | 0.0 - 0.8 |
| Orphee Mythic 22 | 33 | 0.50 | 0.30 | 60.6 | 0.4 | 0.0 - 1.5 | 33 | 0.71 | 0.38 | 53.2 | 0.7 | 0.0 - 1.9 |
| | **Specimen CL-10** | | | | | | | | | | | |
| All Method | 50 | 0.37 | 0.26 | 70.0 | 0.3 | 0.0 - 1.2 | | | | | | |
| All Abbott Cell-Dyn Instruments | 17 | 0.22 | 0.25 | 116.3 | 0.1 | 0.0 - 1.0 | | | | | | |
| Abbott Cell-Dyn Ruby | 14 | 0.25 | 0.27 | 106.1 | 0.1 | 0.0 - 1.1 | | | | | | |
| Orphee Mythic 22 | 32 | 0.45 | 0.23 | 50.8 | 0.4 | 0.0 - 1.2 | | | | | | |

## BLOOD BANK

### ABO GROUP

| *Specimen* | *Results* | *Labs* | *Percent* | *Performance* |
|---|---|---|---|---|
| **BB-6** | Group B | 41 | 100% | Acceptable |
| **BB-7** | Group O | 41 | 100% | Acceptable |
| **BB-8** | Group A | 41 | 100% | Acceptable |
| **BB-9** | Group AB | 41 | 100% | Acceptable |
| **BB-10** | Group A | 41 | 100% | Acceptable |

### RH FACTOR (D TYPE)

| *Specimen* | *Results* | *Labs* | *Percent* | *Performance* |
|---|---|---|---|---|
| **BB-6** | Rh Positive | 41 | 100% | Acceptable |
| **BB-7** | Rh Negative | 41 | 100% | Acceptable |
| **BB-8** | Rh Positive | 40 | 97.56% | Acceptable |
| | Rh Negative | 1 | 2.44% | |
| **BB-9** | Rh Negative | 41 | 100% | Acceptable |
| **BB-10** | Rh Negative | 41 | 100% | Acceptable |

## BLOOD BANK

### UNEXPECTED ANTIBODY DETECTION

| *Specimen* | *Results* | *Labs* | *Percent* | *Performance* |
|---|---|---|---|---|
| **AB-6** | Unexpected antibody detected | 23 | 92.00% | Acceptable |
| | No unexpected antibody detected | 2 | 8.00% | |
| **AB-7** | Unexpected antibody detected | 23 | 92.00% | Acceptable |
| | No unexpected antibody detected | 2 | 8.00% | |
| **AB-8** | No unexpected antibody detected | 25 | 100% | Acceptable |
| **AB-9** | No unexpected antibody detected | 25 | 100% | Acceptable |
| **AB-10** | Unexpected antibody detected | 20 | 80.00% | Acceptable |
| | No unexpected antibody detected | 5 | 20.00% | |

### ANTIBODY IDENTIFICATION

| *Specimen* | *Identification* | *Labs* | *Percent* | *Performance* |
|---|---|---|---|---|
| **AB-6** | Anti-c | 14 | 100% | Acceptable |
| **AB-7** | Anti-D | 14 | 100% | Acceptable |
| **AB-8** | No antibody detected | 14 | 100% | Acceptable |
| **AB-9** | No antibody detected | 14 | 100% | Acceptable |
| **AB-10** | Anti-K | 13 | 92.86% | Acceptable |
| | No antibody detected | 1 | 7.14% | |

## BLOOD BANK

### COMPATIBILITY TESTING

| *Specimen* | *Results* | *Labs* | *Percent* | *Performance* |
|---|---|---|---|---|
| **AB-6** | Not Compatible | 24 | 92.31% | Acceptable |
| | Compatible | 2 | 7.69% | |
| **AB-7** | Compatible | 25 | 96.15% | Acceptable |
| | Not Compatible | 1 | 3.85% | |
| **AB-8** | Compatible | 26 | 100% | Acceptable |
| **AB-9** | Compatible | 26 | 100% | Acceptable |
| **AB-10** | Compatible | 26 | 100% | Acceptable |

# Coagulation

## PROTHROMBIN TIME (seconds)

| | Specimen CG-6 | | | | | | Specimen CG-7 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Reagent/Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 87 | 22.68 | 3.13 | 13.8 | 23.1 | 19.2 - 26.1 | 57 | 36.12 | 5.98 | 16.6 | 38.0 | 30.7 - 41.6 |
| Dade Innovin | | | | | | | | | | | | |
| Dade Behring BFT II | 5 | 21.75 | 1.98 | 9.1 | 21.0 | 18.4 - 25.1 | 5 | 27.05 | 2.54 | 9.4 | 27.4 | 22.9 - 31.2 |
| Sysmex CA-500/600 series | 18 | 19.67 | 1.09 | 5.5 | 19.4 | 16.7 - 22.7 | 1 | - | - | - | 29.8 | 25.3 - 34.3 |
| All Coagulation Instruments | 23 | 19.70 | 0.80 | 4.0 | 19.5 | 16.7 - 22.7 | 7 | 27.90 | 2.62 | 9.4 | 27.8 | 23.7 - 32.1 |
| Dade Thromborel S | | | | | | | | | | | | |
| All Coagulation Instruments | 5 | 21.35 | 0.35 | 1.7 | 21.4 | 18.1 - 24.6 | 1 | - | - | - | 29.5 | 25.0 - 34.0 |
| Diag Stago STA Neoplastine CI+ | | | | | | | | | | | | |
| Diagnostica Stago STA Compact | 5 | 24.80 | 0.14 | 0.6 | 24.8 | 21.0 - 28.6 | 5 | 36.60 | 1.98 | 5.4 | 36.6 | 31.1 - 42.1 |
| Diagnostica Stago STart 4/8 | 5 | 25.60 | 1.93 | 7.5 | 25.4 | 21.7 - 29.5 | 5 | 37.05 | 2.24 | 6.0 | 38.1 | 31.4 - 42.7 |
| RAL Clot-SP | 19 | 25.62 | 1.23 | 4.8 | 25.5 | 21.7 - 29.5 | 19 | 38.69 | 2.56 | 6.6 | 38.6 | 32.8 - 44.5 |
| All Coagulation Instruments | 29 | 25.43 | 1.56 | 6.1 | 25.0 | 21.6 - 29.3 | 28 | 38.11 | 2.53 | 6.6 | 38.3 | 32.3 - 43.9 |
| Diagnostica Stago Neoplastine CI Plus | | | | | | | | | | | | |
| Diagnostica Stago STA Compact | 5 | 27.90 | 0.28 | 1.0 | 27.9 | 23.7 - 32.1 | 5 | 38.10 | 0.01 | 0.0 | 38.1 | 32.3 - 43.9 |
| HemosIL RecombiPlasTin 2G | | | | | | | | | | | | |
| IL ACL, all models | 5 | 23.33 | 0.81 | 3.5 | 23.3 | 19.8 - 26.9 | 5 | 32.83 | 5.39 | 16.4 | 30.5 | 27.9 - 37.8 |
| IL TEST PT Fibrinogen | | | | | | | | | | | | |
| IL ACL, all models | 6 | 18.85 | 1.00 | 5.3 | 19.2 | 16.0 - 21.7 | 6 | 28.30 | 4.84 | 17.1 | 30.0 | 24.0 - 32.6 |
| IL TEST PT-FIB HS PLUS | | | | | | | | | | | | |
| IL ACL, all models | 5 | 25.26 | 0.69 | 2.7 | 25.2 | 21.4 - 29.1 | 5 | 42.92 | 2.09 | 4.9 | 42.9 | 36.4 - 49.4 |
| PH/CMS Thromboplastin-D | | | | | | | | | | | | |
| All Coagulation Instruments | 5 | 16.90 | 0.71 | 4.2 | 16.9 | 14.3 - 19.5 | 5 | 29.95 | 3.61 | 12.0 | 30.0 | 25.4 - 34.5 |

## PROTHROMBIN TIME (seconds)

| | Specimen CG-8 | | | | | | Specimen CG-9 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Reagent/Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 87 | 29.90 | 4.54 | 15.2 | 30.6 | 25.4 - 34.4 | 85 | 12.46 | 1.38 | 11.1 | 12.5 | 10.5 - 14.4 |
| Dade Innovin | | | | | | | | | | | | |
| Dade Behring BFT II | 5 | 29.03 | 1.22 | 4.2 | 28.9 | 24.6 - 33.4 | 5 | 10.65 | 0.98 | 9.2 | 10.3 | 9.0 - 12.3 |
| Sysmex CA-500/600 series | 18 | 25.99 | 1.03 | 4.0 | 26.1 | 22.0 - 29.9 | 17 | 11.02 | 0.37 | 3.4 | 11.0 | 9.3 - 12.7 |
| All Coagulation Instruments | 25 | 26.59 | 1.55 | 5.8 | 26.3 | 22.6 - 30.6 | 24 | 11.01 | 0.53 | 4.8 | 11.0 | 9.3 - 12.7 |
| Dade Thromborel S | | | | | | | | | | | | |
| All Coagulation Instruments | 5 | 29.05 | 0.92 | 3.2 | 29.1 | 24.6 - 33.5 | 1 | - | - | - | 12.7 | 10.7 - 14.7 |
| Diag Stago STA Neoplastine CI+ | | | | | | | | | | | | |
| Diagnostica Stago STA Compact | 5 | 33.95 | 0.64 | 1.9 | 34.0 | 28.8 - 39.1 | 5 | 13.30 | 0.01 | 0.0 | 13.3 | 11.3 - 15.3 |
| Diagnostica Stago STart 4/8 | 5 | 34.10 | 2.47 | 7.3 | 34.3 | 28.9 - 39.3 | 5 | 12.90 | 0.27 | 2.1 | 13.0 | 10.9 - 14.9 |
| RAL Clot-SP | 19 | 34.46 | 1.24 | 3.6 | 34.7 | 29.2 - 39.7 | 19 | 13.99 | 0.41 | 3.0 | 13.8 | 11.8 - 16.1 |
| All Coagulation Instruments | 29 | 34.21 | 2.05 | 6.0 | 34.4 | 29.0 - 39.4 | 29 | 13.67 | 0.61 | 4.5 | 13.7 | 11.6 - 15.8 |
| Diagnostica Stago Neoplastine CI Plus | | | | | | | | | | | | |
| Diagnostica Stago STA Compact | 5 | 33.20 | 0.85 | 2.6 | 33.2 | 28.2 - 38.2 | 5 | 13.15 | 0.21 | 1.6 | 13.2 | 11.1 - 15.2 |
| HemosIL RecombiPlasTin 2G | | | | | | | | | | | | |
| IL ACL, all models | 5 | 32.00 | 1.61 | 5.0 | 32.5 | 27.2 - 36.8 | 5 | 11.03 | 0.05 | 0.5 | 11.0 | 9.3 - 12.7 |
| IL TEST PT Fibrinogen | | | | | | | | | | | | |
| IL ACL, all models | 6 | 22.15 | 0.75 | 3.4 | 22.2 | 18.8 - 25.5 | 6 | 12.20 | 0.15 | 1.3 | 12.2 | 10.3 - 14.1 |
| IL TEST PT-FIB HS PLUS | | | | | | | | | | | | |
| IL ACL, all models | 5 | 33.08 | 0.91 | 2.7 | 33.0 | 28.1 - 38.1 | 5 | 13.20 | 0.23 | 1.8 | 13.1 | 11.2 - 15.2 |
| PH/CMS Thromboplastin-D | | | | | | | | | | | | |
| All Coagulation Instruments | 5 | 20.40 | 0.28 | 1.4 | 20.4 | 17.3 - 23.5 | 5 | 12.15 | 0.92 | 7.6 | 12.2 | 10.3 - 14.0 |

## PROTHROMBIN TIME (seconds)

**Specimen CG-10**

| *Reagent/Instrument* | *Labs* | *Mean* | *SD* | *CV* | *Median* | *Range* |
|---|---|---|---|---|---|---|
| All Method | 87 | 13.17 | 1.49 | 11.3 | 13.1 | 11.1 - 15.2 |
| Dade Innovin | | | | | | |
| Dade Behring BFT II | 5 | 11.08 | 0.40 | 3.6 | 11.2 | 9.4 - 12.8 |
| Sysmex CA-500/600 series | 18 | 11.44 | 0.38 | 3.3 | 11.3 | 9.7 - 13.2 |
| All Coagulation Instruments | 24 | 11.37 | 0.39 | 3.4 | 11.3 | 9.6 - 13.1 |
| Dade Thromborel S | | | | | | |
| All Coagulation Instruments | 5 | 11.60 | 1.56 | 13.4 | 11.6 | 9.8 - 13.4 |
| Diag Stago STA Neoplastine CI+ | | | | | | |
| Diagnostica Stago STA Compact | 5 | 13.85 | 0.21 | 1.5 | 13.9 | 11.7 - 16.0 |
| Diagnostica Stago STart 4/8 | 5 | 13.48 | 0.78 | 5.8 | 13.9 | 11.4 - 15.5 |
| RAL Clot-SP | 19 | 14.82 | 0.41 | 2.8 | 14.8 | 12.5 - 17.1 |
| All Coagulation Instruments | 29 | 14.40 | 0.76 | 5.3 | 14.5 | 12.2 - 16.6 |
| Diagnostica Stago Neoplastine CI Plus | | | | | | |
| Diagnostica Stago STA Compact | 5 | 13.95 | 0.21 | 1.5 | 14.0 | 11.8 - 16.1 |
| HemosIL RecombiPlasTin 2G | | | | | | |
| IL ACL, all models | 5 | 12.73 | 0.21 | 1.6 | 12.7 | 10.8 - 14.7 |
| IL TEST PT Fibrinogen | | | | | | |
| IL ACL, all models | 6 | 13.32 | 0.69 | 5.2 | 13.1 | 11.3 - 15.4 |
| IL TEST PT-FIB HS PLUS | | | | | | |
| IL ACL, all models | 5 | 14.50 | 0.34 | 2.3 | 14.5 | 12.3 - 16.7 |
| PH/CMS Thromboplastin-D | | | | | | |
| All Coagulation Instruments | 5 | 12.65 | 0.49 | 3.9 | 12.7 | 10.7 - 14.6 |

## PROTHROMBIN TIME–INTERNATIONAL NORMALIZED RATIO (INR)

| | Specimen CG-6 | | | | | | Specimen CG-7 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Reagent/Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 83 | 2.11 | 0.27 | 12.9 | 2.1 | 1.6 - 2.6 | 51 | 3.70 | 0.79 | 21.4 | 3.7 | 2.9 - 4.5 |
| Dade Innovin | | | | | | | | | | | | |
| Dade Behring BFT II | 5 | 2.18 | 0.10 | 4.4 | 2.2 | 1.7 - 2.7 | 5 | 2.65 | 0.31 | 11.7 | 2.7 | 2.1 - 3.2 |
| Sysmex CA-500/600 series | 17 | 1.94 | 0.07 | 3.6 | 1.9 | 1.5 - 2.4 | 1 | - | - | - | 2.5 | 2.0 - 3.0 |
| All Coagulation Instruments | 25 | 1.98 | 0.14 | 7.1 | 2.0 | 1.5 - 2.4 | 7 | 2.67 | 0.30 | 11.2 | 2.5 | 2.1 - 3.3 |
| Dade Thromborel S | | | | | | | | | | | | |
| All Coagulation Instruments | 5 | 2.00 | 0.14 | 7.1 | 2.0 | 1.6 - 2.4 | 1 | - | - | - | 3.2 | 2.5 - 3.9 |
| Diag Stago STA Neoplastine CI+ | | | | | | | | | | | | |
| Diagnostica Stago STA Compact | 5 | 2.05 | 0.21 | 10.3 | 2.1 | 1.6 - 2.5 | 5 | 3.25 | 0.78 | 23.9 | 3.3 | 2.6 - 3.9 |
| Diagnostica Stago STart 4/8 | 5 | 2.63 | 0.15 | 5.8 | 2.6 | 2.1 - 3.2 | 5 | 4.10 | 0.46 | 11.2 | 4.2 | 3.2 - 5.0 |
| RAL Clot-SP | 17 | 2.34 | 0.16 | 6.8 | 2.3 | 1.8 - 2.9 | 17 | 3.99 | 0.35 | 8.6 | 4.0 | 3.1 - 4.8 |
| All Coagulation Instruments | 24 | 2.36 | 0.24 | 10.2 | 2.3 | 1.8 - 2.9 | 24 | 3.93 | 0.44 | 11.3 | 4.0 | 3.1 - 4.8 |
| Diagnostica Stago Neoplastine CI Plus | | | | | | | | | | | | |
| Diagnostica Stago STA Compact | 5 | 2.35 | 0.07 | 3.0 | 2.4 | 1.8 - 2.9 | 5 | 3.50 | 0.01 | 0.0 | 3.5 | 2.8 - 4.2 |
| All Coagulation Instruments | 6 | 2.27 | 0.15 | 6.7 | 2.3 | 1.8 - 2.8 | 6 | 3.67 | 0.29 | 7.9 | 3.5 | 2.9 - 4.5 |
| HemosIL RecombiPlasTin 2G | | | | | | | | | | | | |
| IL ACL, all models | 5 | 2.00 | 0.20 | 10.0 | 2.1 | 1.6 - 2.4 | 5 | 2.87 | 0.67 | 23.2 | 2.7 | 2.2 - 3.5 |
| IL TEST PT Fibrinogen | | | | | | | | | | | | |
| IL ACL, all models | 6 | 2.27 | 0.19 | 8.2 | 2.3 | 1.8 - 2.8 | 5 | 5.47 | 0.40 | 7.4 | 5.4 | 4.3 - 6.6 |
| IL TEST PT-FIB HS PLUS | | | | | | | | | | | | |
| IL ACL, all models | 5 | 2.08 | 0.16 | 7.9 | 2.0 | 1.6 - 2.5 | 5 | 3.70 | 0.39 | 10.6 | 3.7 | 2.9 - 4.5 |
| PH/CMS Thromboplastin-D | | | | | | | | | | | | |
| All Coagulation Instruments | 5 | 2.20 | 0.01 | 0.0 | 2.2 | 1.7 - 2.7 | 1 | - | - | - | 5.3 | 4.2 - 6.4 |

## PROTHROMBIN TIME–INTERNATIONAL NORMALIZED RATIO (INR)

| | Specimen CG-8 | | | | | | Specimen CG-9 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Reagent/Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 82 | 2.90 | 0.46 | 15.7 | 2.8 | 2.3 - 3.5 | 82 | 1.04 | 0.10 | 9.3 | 1.0 | 0.8 - 1.3 |
| Dade Innovin | | | | | | | | | | | | |
| Dade Behring BFT II | 5 | 2.80 | 0.14 | 5.1 | 2.9 | 2.2 - 3.4 | 5 | 1.18 | 0.10 | 8.1 | 1.2 | 0.9 - 1.5 |
| Sysmex CA-500/600 series | 18 | 2.60 | 0.13 | 5.1 | 2.6 | 2.0 - 3.2 | 17 | 1.08 | 0.06 | 5.2 | 1.1 | 0.8 - 1.3 |
| All Coagulation Instruments | 25 | 2.63 | 0.15 | 5.8 | 2.6 | 2.1 - 3.2 | 24 | 1.09 | 0.07 | 6.6 | 1.1 | 0.8 - 1.4 |
| Dade Thromborel S | | | | | | | | | | | | |
| All Coagulation Instruments | 5 | 2.85 | 0.49 | 17.4 | 2.9 | 2.2 - 3.5 | 5 | 0.95 | 0.21 | 22.3 | 1.0 | 0.7 - 1.2 |
| Diag Stago STA Neoplastine CI+ | | | | | | | | | | | | |
| Diagnostica Stago STA Compact | 5 | 2.90 | 0.42 | 14.6 | 2.9 | 2.3 - 3.5 | 5 | 1.00 | 0.01 | 0.0 | 1.0 | 0.8 - 1.2 |
| Diagnostica Stago STart 4/8 | 5 | 3.83 | 0.15 | 4.0 | 3.8 | 3.0 - 4.6 | 5 | 1.07 | 0.06 | 5.4 | 1.1 | 0.8 - 1.3 |
| RAL Clot-SP | 17 | 3.45 | 0.17 | 5.0 | 3.4 | 2.7 - 4.2 | 17 | 1.05 | 0.06 | 6.0 | 1.0 | 0.8 - 1.3 |
| All Coagulation Instruments | 24 | 3.47 | 0.35 | 10.1 | 3.5 | 2.7 - 4.2 | 24 | 1.05 | 0.07 | 6.3 | 1.0 | 0.8 - 1.3 |
| Diagnostica Stago Neoplastine CI Plus | | | | | | | | | | | | |
| Diagnostica Stago STA Compact | 5 | 2.95 | 0.07 | 2.4 | 3.0 | 2.3 - 3.6 | 5 | 0.90 | 0.01 | 0.0 | 0.9 | 0.7 - 1.1 |
| All Coagulation Instruments | 6 | 3.07 | 0.21 | 6.8 | 3.0 | 2.4 - 3.7 | 6 | 0.93 | 0.06 | 6.2 | 0.9 | 0.7 - 1.2 |
| HemosIL RecombiPlasTin 2G | | | | | | | | | | | | |
| IL ACL, all models | 5 | 2.83 | 0.36 | 12.7 | 3.0 | 2.2 - 3.4 | 5 | 0.90 | 0.08 | 9.1 | 0.9 | 0.7 - 1.1 |
| IL TEST PT Fibrinogen | | | | | | | | | | | | |
| IL ACL, all models | 6 | 3.00 | 0.20 | 6.7 | 3.1 | 2.4 - 3.6 | 6 | 1.07 | 0.05 | 4.8 | 1.1 | 0.8 - 1.3 |
| IL TEST PT-FIB HS PLUS | | | | | | | | | | | | |
| IL ACL, all models | 5 | 2.80 | 0.26 | 9.4 | 2.7 | 2.2 - 3.4 | 5 | 0.98 | 0.04 | 4.6 | 1.0 | 0.7 - 1.2 |
| PH/CMS Thromboplastin-D | | | | | | | | | | | | |
| All Coagulation Instruments | 5 | 3.25 | 0.21 | 6.5 | 3.3 | 2.6 - 3.9 | 5 | 1.15 | 0.07 | 6.1 | 1.2 | 0.9 - 1.4 |

## PROTHROMBIN TIME–INTERNATIONAL NORMALIZED RATIO (INR)

**Specimen CG-10**

| *Reagent/Instrument* | *Labs* | *Mean* | *SD* | *CV* | *Median* | *Range* |
|---|---|---|---|---|---|---|
| All Method | 83 | 1.12 | 0.09 | 8.3 | 1.1 | 0.8 - 1.4 |
| Dade Innovin | | | | | | |
| Dade Behring BFT II | 5 | 1.23 | 0.05 | 4.1 | 1.2 | 0.9 - 1.5 |
| Sysmex CA-500/600 series | 18 | 1.12 | 0.06 | 5.8 | 1.1 | 0.8 - 1.4 |
| All Coagulation Instruments | 25 | 1.14 | 0.08 | 7.2 | 1.1 | 0.9 - 1.4 |
| Dade Thromborel S | | | | | | |
| All Coagulation Instruments | 5 | 1.00 | 0.14 | 14.1 | 1.0 | 0.8 - 1.2 |
| Diag Stago STA Neoplastine CI+ | | | | | | |
| Diagnostica Stago STA Compact | 5 | 1.05 | 0.07 | 6.7 | 1.1 | 0.8 - 1.3 |
| Diagnostica Stago STart 4/8 | 5 | 1.13 | 0.06 | 5.1 | 1.1 | 0.9 - 1.4 |
| RAL Clot-SP | 17 | 1.14 | 0.07 | 6.2 | 1.1 | 0.9 - 1.4 |
| All Coagulation Instruments | 24 | 1.13 | 0.08 | 6.6 | 1.1 | 0.9 - 1.4 |
| Diagnostica Stago Neoplastine CI Plus | | | | | | |
| Diagnostica Stago STA Compact | 5 | 1.00 | 0.01 | 0.0 | 1.0 | 0.8 - 1.2 |
| All Coagulation Instruments | 6 | 1.03 | 0.06 | 5.6 | 1.0 | 0.8 - 1.3 |
| HemosIL RecombiPlasTin 2G | | | | | | |
| IL ACL, all models | 5 | 1.08 | 0.13 | 11.7 | 1.1 | 0.8 - 1.3 |
| IL TEST PT Fibrinogen | | | | | | |
| IL ACL, all models | 6 | 1.23 | 0.08 | 6.6 | 1.2 | 0.9 - 1.5 |
| IL TEST PT-FIB HS PLUS | | | | | | |
| IL ACL, all models | 5 | 1.10 | 0.07 | 6.4 | 1.1 | 0.8 - 1.4 |
| PH/CMS Thromboplastin-D | | | | | | |
| All Coagulation Instruments | 5 | 1.25 | 0.07 | 5.7 | 1.3 | 1.0 - 1.5 |

## ACTIVATED PARTIAL THROMBOPLASTIN (seconds)

| | Specimen CG-6 | | | | | | Specimen CG-7 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Reagent/Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 44 | 37.2 | 4.3 | 11.5 | 38 | 31 - 43 | 31 | 79.7 | 14.9 | 18.7 | 79 | 67 - 92 |
| Dade Actin FSL | | | | | | | | | | | | |
| Sysmex CA-500/600 series | 10 | 33.4 | 1.6 | 4.7 | 34 | 28 - 39 | 8 | 66.8 | 6.1 | 9.2 | 67 | 56 - 77 |
| All Coagulation Instruments | 12 | 33.8 | 1.7 | 4.9 | 34 | 28 - 39 | 10 | 66.8 | 6.1 | 9.1 | 67 | 56 - 77 |
| Diagnostica Stago STA C.K. Prest | | | | | | | | | | | | |
| Diagnostica Stago STA Compact | 5 | 42.7 | 0.6 | 1.4 | 43 | 36 - 50 | 5 | 94.7 | 2.5 | 2.7 | 95 | 80 - 109 |
| Diagnostica Stago STart 4/8 | 5 | 41.0 | 4.2 | 10.3 | 41 | 34 - 48 | 5 | 87.0 | 9.9 | 11.4 | 87 | 73 - 101 |
| All Coagulation Instruments | 10 | 42.0 | 2.3 | 5.6 | 43 | 35 - 49 | 10 | 91.6 | 6.7 | 7.3 | 94 | 77 - 106 |
| Diagnostica Stago STA-PTT | | | | | | | | | | | | |
| All Coagulation Instruments | 5 | 43.0 | 0.8 | 1.9 | 43 | 36 - 50 | 5 | 94.5 | 8.7 | 9.2 | 95 | 80 - 109 |
| Hemoliance SynthASil | | | | | | | | | | | | |
| IL ACL, all models | 5 | 38.5 | 3.5 | 9.2 | 39 | 32 - 45 | 1 | - | - | - | 71 | 60 - 82 |
| HemosIL APTT-SP | | | | | | | | | | | | |
| All Coagulation Instruments | 5 | 39.0 | 0.1 | 0.0 | 39 | 33 - 45 | 5 | 81.5 | 12.0 | 14.7 | 82 | 69 - 94 |
| IL TEST APTT-SP | | | | | | | | | | | | |
| IL ACL, all models | 9 | 38.9 | 1.5 | 3.7 | 38 | 33 - 45 | 9 | 84.7 | 5.5 | 6.5 | 85 | 71 - 98 |

## ACTIVATED PARTIAL THROMBOPLASTIN (seconds)

| | Specimen CG-8 | | | | | | Specimen CG-9 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Reagent/Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 44 | 43.3 | 5.1 | 11.8 | 44 | 36 - 50 | 45 | 29.1 | 5.7 | 19.4 | 30 | 24 - 34 |
| Dade Actin FSL | | | | | | | | | | | | |
| Sysmex CA-500/600 series | 10 | 39.3 | 1.2 | 3.0 | 40 | 33 - 46 | 10 | 25.2 | 3.5 | 14.0 | 24 | 21 - 29 |
| All Coagulation Instruments | 12 | 39.6 | 1.2 | 3.1 | 40 | 33 - 46 | 11 | 24.3 | 0.9 | 3.7 | 24 | 20 - 28 |
| Diagnostica Stago STA C.K. Prest | | | | | | | | | | | | |
| Diagnostica Stago STA Compact | 5 | 46.7 | 2.1 | 4.5 | 46 | 39 - 54 | 5 | 32.0 | 1.0 | 3.1 | 32 | 27 - 37 |
| Diagnostica Stago STart 4/8 | 5 | 47.5 | 3.5 | 7.4 | 48 | 40 - 55 | 5 | 32.0 | 1.4 | 4.4 | 32 | 27 - 37 |
| All Coagulation Instruments | 10 | 47.0 | 2.3 | 5.0 | 46 | 39 - 55 | 10 | 32.0 | 1.0 | 3.1 | 32 | 27 - 37 |
| Diagnostica Stago STA-PTT | | | | | | | | | | | | |
| All Coagulation Instruments | 5 | 51.5 | 2.1 | 4.0 | 52 | 43 - 60 | 5 | 33.0 | 2.9 | 8.9 | 33 | 28 - 38 |
| Hemoliance SynthASil | | | | | | | | | | | | |
| IL ACL, all models | 5 | 45.0 | 2.8 | 6.3 | 45 | 38 - 52 | 5 | 42.0 | 2.8 | 6.7 | 42 | 35 - 49 |
| HemosIL APTT-SP | | | | | | | | | | | | |
| All Coagulation Instruments | 5 | 44.0 | 0.1 | 0.0 | 44 | 37 - 51 | 5 | 38.0 | 4.2 | 11.2 | 38 | 32 - 44 |
| IL TEST APTT-SP | | | | | | | | | | | | |
| IL ACL, all models | 9 | 45.6 | 1.7 | 3.7 | 46 | 38 - 53 | 9 | 29.9 | 1.8 | 6.1 | 30 | 25 - 35 |

| | Specimen CG-10 | | | | | |
|---|---|---|---|---|---|---|
| ***Reagent/Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 45 | 28.5 | 3.6 | 12.5 | 29 | 24 - 33 |
| Dade Actin FSL | | | | | | |
| Sysmex CA-500/600 series | 10 | 26.0 | 3.4 | 12.9 | 25 | 22 - 30 |
| All Coagulation Instruments | 12 | 26.3 | 3.3 | 12.5 | 25 | 22 - 31 |
| Diagnostica Stago STA C.K. Prest | | | | | | |
| Diagnostica Stago STA Compact | 5 | 31.3 | 0.6 | 1.8 | 31 | 26 - 37 |
| Diagnostica Stago STart 4/8 | 5 | 31.5 | 0.7 | 2.2 | 32 | 26 - 37 |
| All Coagulation Instruments | 10 | 31.4 | 0.5 | 1.7 | 31 | 26 - 37 |
| Diagnostica Stago STA-PTT | | | | | | |
| All Coagulation Instruments | 5 | 32.8 | 2.2 | 6.8 | 33 | 27 - 38 |
| Hemoliance SynthASil | | | | | | |
| IL ACL, all models | 5 | 30.0 | 1.4 | 4.7 | 30 | 25 - 35 |
| HemosIL APTT-SP | | | | | | |
| All Coagulation Instruments | 5 | 30.0 | 1.4 | 4.7 | 30 | 25 - 35 |
| IL TEST APTT-SP | | | | | | |
| IL ACL, all models | 9 | 30.6 | 1.0 | 3.3 | 30 | 25 - 36 |

## FIBRINOGEN (mg/dL)

### Specimen CG-6

| Reagent/Instrument | Labs | Mean | SD | CV | Median | Range |
|---|---|---|---|---|---|---|
| All Method | 13 | 281.8 | 32.9 | 11.7 | 281 | 225 - 339 |
| Diagnostica Stago STA Fibrinogen | | | | | | |
| Diagnostica Stago STA Compact | 5 | 274.8 | 20.0 | 7.3 | 280 | 219 - 330 |
| All Coagulation Instruments | 6 | 274.4 | 17.3 | 6.3 | 273 | 219 - 330 |
| IL Fibrinogen-C | | | | | | |
| IL ACL, all models | 5 | 312.3 | 24.0 | 7.7 | 319 | 249 - 375 |

### Specimen CG-7

| Reagent/Instrument | Labs | Mean | SD | CV | Median | Range |
|---|---|---|---|---|---|---|
| All Method | 10 | 89.5 | 11.6 | 12.9 | 94 | 71 - 108 |
| Diagnostica Stago STA Fibrinogen | | | | | | |
| Diagnostica Stago STA Compact | 5 | 96.0 | 3.7 | 3.9 | 97 | 76 - 116 |
| All Coagulation Instruments | 6 | 96.8 | 3.7 | 3.8 | 97 | 77 - 117 |
| IL Fibrinogen-C | | | | | | |
| IL ACL, all models | 5 | 83.3 | 17.0 | 20.4 | 82 | 66 - 100 |

### Specimen CG-8

| Reagent/Instrument | Labs | Mean | SD | CV | Median | Range |
|---|---|---|---|---|---|---|
| All Method | 13 | 286.1 | 35.8 | 12.5 | 289 | 228 - 344 |
| Diagnostica Stago STA Fibrinogen | | | | | | |
| Diagnostica Stago STA Compact | 5 | 273.5 | 16.1 | 5.9 | 277 | 218 - 329 |
| All Coagulation Instruments | 6 | 272.4 | 14.2 | 5.2 | 271 | 217 - 327 |
| IL Fibrinogen-C | | | | | | |
| IL ACL, all models | 5 | 324.5 | 7.2 | 2.2 | 327 | 259 - 390 |

### Specimen CG-9

| Reagent/Instrument | Labs | Mean | SD | CV | Median | Range |
|---|---|---|---|---|---|---|
| All Method | 13 | 414.2 | 108.9 | 26.3 | 450 | 331 - 497 |
| Diagnostica Stago STA Fibrinogen | | | | | | |
| Diagnostica Stago STA Compact | 5 | 442.0 | 34.9 | 7.9 | 454 | 353 - 531 |
| All Coagulation Instruments | 6 | 444.2 | 30.6 | 6.9 | 453 | 355 - 534 |
| IL Fibrinogen-C | | | | | | |
| IL ACL, all models | 5 | 487.8 | 42.3 | 8.7 | 486 | 390 - 586 |

### Specimen CG-10

| Reagent/Instrument | Labs | Mean | SD | CV | Median | Range |
|---|---|---|---|---|---|---|
| All Method | 13 | 288.7 | 46.8 | 16.2 | 289 | 230 - 347 |
| Diagnostica Stago STA Fibrinogen | | | | | | |
| Diagnostica Stago STA Compact | 5 | 285.8 | 21.9 | 7.7 | 293 | 228 - 343 |
| All Coagulation Instruments | 6 | 282.8 | 20.1 | 7.1 | 289 | 226 - 340 |
| IL Fibrinogen-C | | | | | | |
| IL ACL, all models | 5 | 339.8 | 27.6 | 8.1 | 342 | 271 - 408 |

## URINALYSIS DIPSTICK–SPECIFIC GRAVITY

**Specimen UA-2**

| *Method* | *Labs* | *Mean* | *SD* | *CV* | *Median* | *Range* |
|---|---|---|---|---|---|---|
| All Method | 365 | 1.0179 | 0.0060 | 0.6 | 1.018 | 1.007 - 1.028 |
| All Arkray Methods | 16 | 1.0281 | 0.0034 | 0.3 | 1.030 | 1.018 - 1.039 |
| All DIRUI Methods | 19 | 1.0203 | 0.0032 | 0.3 | 1.020 | 1.010 - 1.031 |
| All Refractive Index Methods | 36 | 1.0259 | 0.0028 | 0.3 | 1.025 | 1.015 - 1.036 |
| All Roche Methods | 121 | 1.0128 | 0.0043 | 0.4 | 1.010 | 1.002 - 1.023 |
| All Siemens Methods | 36 | 1.0199 | 0.0033 | 0.3 | 1.020 | 1.009 - 1.030 |
| 77 Elektronika LabUMat/2 | 12 | 1.0250 | 0.0030 | 0.3 | 1.026 | 1.015 - 1.035 |
| Acon Laboratories | 10 | 1.0165 | 0.0024 | 0.2 | 1.015 | 1.006 - 1.027 |
| Arkray Aution Sticks | 11 | 1.0292 | 0.0019 | 0.2 | 1.030 | 1.019 - 1.040 |
| Combi-Screen Test Strips | 11 | 1.0155 | 0.0027 | 0.3 | 1.015 | 1.005 - 1.026 |
| DIRUI H-100 / H-500 Urine Analyzer | 14 | 1.0200 | 0.0028 | 0.3 | 1.020 | 1.010 - 1.030 |
| Other Analyzer Method | 11 | 1.0208 | 0.0058 | 0.6 | 1.020 | 1.010 - 1.031 |
| Roche Chemstrips / Combur | 14 | 1.0118 | 0.0031 | 0.3 | 1.010 | 1.001 - 1.022 |
| Roche cobas 6500 / u 601 | 12 | 1.0249 | 0.0017 | 0.2 | 1.025 | 1.014 - 1.035 |
| Roche cobas u 411 | 81 | 1.0122 | 0.0025 | 0.2 | 1.010 | 1.002 - 1.023 |
| Roche Urisys | 40 | 1.0143 | 0.0065 | 0.6 | 1.010 | 1.004 - 1.025 |
| SD UroColor Reagent Strips | 35 | 1.0213 | 0.0033 | 0.3 | 1.020 | 1.011 - 1.032 |
| Siemens Clinitek Advantus | 17 | 1.0179 | 0.0025 | 0.2 | 1.020 | 1.007 - 1.028 |
| Siemens Clinitek Status / Status+ | 16 | 1.0213 | 0.0029 | 0.3 | 1.020 | 1.011 - 1.032 |
| UriScan Pro/II | 12 | 1.0183 | 0.0053 | 0.5 | 1.018 | 1.008 - 1.029 |
| UriScan Reagent Strips | 16 | 1.0221 | 0.0026 | 0.3 | 1.020 | 1.012 - 1.033 |

## URINALYSIS DIPSTICK–pH

**Specimen UA-2**

***Participant Results***

| ***Method*** | ***Labs*** | ***≤3.5*** | ***4.0*** | ***4.5*** | ***5.0*** | ***5.5*** | ***6.0*** | ***6.5*** | ***7.0*** | ***7.5*** | ***8.0*** | ***8.5*** | ***≥9.0*** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL METHODS | 389 | - | - | - | 1 | - | 3 | 5 | 298 | 79 | 3 | - | - |
| 77 Elektronika LabUMat/2 | 14 | - | - | - | - | - | - | - | 13 | 1 | - | - | - |
| Acon Laboratories | 11 | - | - | - | - | - | - | - | 9 | 1 | 1 | - | - |
| Analyticon CombiScan 500 | 4 | - | - | - | - | - | - | - | 4 | - | - | - | - |
| Arkray Aution Jet | 2 | - | - | - | - | - | - | - | 1 | 1 | - | - | - |
| Arkray Aution Sticks | 14 | - | - | - | - | - | - | - | 12 | 2 | - | - | - |
| Arkray PocketChem UA | 2 | - | - | - | - | - | - | - | - | 2 | - | - | - |
| Combi-Screen Test Strips | 12 | - | - | - | - | - | - | - | 12 | - | - | - | - |
| DIRUI H-100 / H-500 Urine Analyzer | 14 | - | - | - | - | - | - | 3 | 6 | 5 | - | - | - |
| DIRUI H-800 Urine Analyzer | 5 | - | - | - | - | - | - | - | 3 | 2 | - | - | - |
| HUMAN Combilyzer | 2 | - | - | - | - | - | - | - | 2 | - | - | - | - |
| Iris Diagnostics Aution Max AX-4280 | 2 | - | - | - | - | - | - | - | 2 | - | - | - | - |
| Iris Diagnostics iChem Velocity Strips | 5 | - | - | - | - | - | - | - | 4 | 1 | - | - | - |
| Iris Ichem VELOCITY Urine Chemistry System | 3 | - | - | - | - | - | - | - | 3 | - | - | - | - |
| Other Analyzer Method | 14 | - | - | - | - | - | - | - | 9 | 5 | - | - | - |
| Other Dipstick Method | 6 | - | - | - | - | - | 1 | - | 4 | 1 | - | - | - |
| Plasmatec URIPATH | 1 | - | - | - | - | - | - | - | 1 | - | - | - | - |
| Roche Chemstrips / Combur | 19 | - | - | - | - | - | - | - | 19 | - | - | - | - |
| Roche cobas 6500 / u 601 | 11 | - | - | - | - | - | 1 | - | 10 | - | - | - | - |
| Roche cobas u 411 | 79 | - | - | - | - | - | - | - | 79 | - | - | - | - |
| Roche Urisys | 41 | - | - | - | - | - | - | - | 41 | - | - | - | - |
| SD UroColor Reagent Strips | 37 | - | - | - | - | - | 1 | - | 26 | 10 | - | - | - |
| Siemens Clinitek 500 | 1 | - | - | - | - | - | - | - | 1 | - | - | - | - |
| Siemens Clinitek Advantus | 20 | - | - | - | - | - | - | - | 5 | 15 | - | - | - |
| Siemens Clinitek Atlas | 2 | - | - | - | - | - | - | - | - | 2 | - | - | - |
| Siemens Clinitek Status / Status+ | 17 | - | - | - | 1 | - | - | - | 4 | 12 | - | - | - |
| Siemens Multistix Pro | 1 | - | - | - | - | - | - | - | - | 1 | - | - | - |
| Siemens Reagent Strips | 14 | - | - | - | - | - | - | - | - | 14 | - | - | - |
| Urinometer | 1 | - | - | - | - | - | - | - | 1 | - | - | - | - |
| UriScan Pro/II | 12 | - | - | - | - | - | - | 2 | 9 | 1 | - | - | - |
| UriScan Reagent Strips | 16 | - | - | - | - | - | - | - | 14 | 2 | - | - | - |
| URIT Medical Uritest Analyzers | 2 | - | - | - | - | - | - | - | 1 | - | 1 | - | - |
| URIT Medical Uritest Reagent Strips | 1 | - | - | - | - | - | - | - | - | 1 | - | - | - |

## URINALYSIS DIPSTICK–PROTEIN QUALITATIVE

**Specimen UA-2**

***Participant Results***

| ***Method*** | ***Labs*** | ***Negative*** | ***Trace*** | ***(1+)*** | ***(2+)*** | ***(3+)*** | ***(4+)*** | ***10 - 20 mg/dL*** | ***30 - 70 mg/dL*** | ***75 mg/dL*** | ***100 - 200 mg/dL*** | ***≥300 - 600 mg/dL*** | ***>600 or ≥1000 mg/dL*** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL METHODS | 391 | 3 | - | 18 | 125 | 39 | 1 | 1 | 11 | 14 | 170 | 8 | 1 |
| 77 Elektronika LabUMat/2 | 14 | - | - | - | 8 | - | - | - | - | - | 6 | - | - |
| Acon Laboratories | 11 | - | - | - | 5 | - | - | - | 1 | - | 4 | 1 | - |
| Analyticon CombiScan 500 | 4 | - | - | - | 1 | - | - | - | - | - | 3 | - | - |
| Arkray Aution Jet | 3 | - | - | 1 | 2 | - | - | - | - | - | - | - | - |
| Arkray Aution Sticks | 13 | - | - | - | 10 | 1 | - | - | - | - | 2 | - | - |
| Arkray PocketChem UA | 2 | - | - | - | 2 | - | - | - | - | - | - | - | - |
| Combi-Screen Test Strips | 12 | - | - | - | 1 | 1 | - | - | 1 | - | 8 | 1 | - |
| DIRUI H-100 / H-500 Urine Analyzer | 15 | - | - | - | 6 | 4 | - | - | - | - | 2 | 3 | - |
| DIRUI H-800 Urine Analyzer | 4 | - | - | 1 | 1 | 1 | - | - | - | - | 1 | - | - |
| HUMAN Combilyzer | 2 | - | - | - | 2 | - | - | - | - | - | - | - | - |
| Iris Diagnostics Aution Max AX-4280 | 2 | - | - | 1 | - | - | - | - | - | - | 1 | - | - |
| Iris Diagnostics iChem Velocity Strips | 5 | - | - | 1 | 2 | - | - | - | 1 | - | 1 | - | - |
| Iris Ichem VELOCITY Urine Chemistry System | 3 | - | - | 1 | - | - | - | - | - | - | 2 | - | - |
| Other Analyzer Method | 16 | - | - | 1 | 11 | - | - | - | - | - | 3 | - | 1 |
| Other Dipstick Method | 6 | - | - | - | 4 | 1 | - | - | - | - | 1 | - | - |
| Plasmatec URIPATH | 1 | - | - | 1 | - | - | - | - | - | - | - | - | - |
| Roche Chemstrips / Combur | 19 | - | - | 2 | 13 | 3 | - | - | - | - | 1 | - | - |
| Roche cobas 6500 / u 601 | 12 | - | - | - | - | 1 | - | - | - | - | 10 | 1 | - |
| Roche cobas u 411 | 80 | - | - | - | 1 | - | - | - | 1 | 11 | 67 | - | - |
| Roche Urisys | 40 | 1 | - | - | 1 | 5 | - | - | - | 3 | 30 | - | - |
| SD UroColor Reagent Strips | 37 | - | - | 7 | 19 | - | - | 1 | 5 | - | 4 | 1 | - |
| Siemens Clinitek 500 | 1 | - | - | - | - | - | - | - | - | - | 1 | - | - |
| Siemens Clinitek Advantus | 20 | - | - | - | 9 | - | - | - | - | - | 10 | 1 | - |
| Siemens Clinitek Atlas | 2 | - | - | - | - | - | - | - | - | - | 2 | - | - |
| Siemens Clinitek Status / Status+ | 17 | 1 | - | - | 2 | 14 | - | - | - | - | - | - | - |
| Siemens Reagent Strips | 15 | - | - | - | 10 | 3 | - | - | - | - | 2 | - | - |
| Urinometer | 1 | - | - | 1 | - | - | - | - | - | - | - | - | - |
| UriScan Pro/II | 12 | 1 | - | - | 5 | - | - | - | 1 | - | 5 | - | - |
| UriScan Reagent Strips | 16 | - | - | 1 | 9 | 3 | 1 | - | 1 | - | 1 | - | - |
| URIT Medical Uritest Analyzers | 2 | - | - | - | 1 | - | - | - | - | - | 1 | - | - |
| URIT Medical Uritest Reagent Strips | 1 | - | - | - | - | 1 | - | - | - | - | - | - | - |

## URINALYSIS DIPSTICK–GLUCOSE

**Specimen UA-2**

| Method | Labs | Participant Results: Negative or Normal | Trace | (1+) | (2+) | (3+) | (4+) | 30 - 100 mg/dL | 150 - 300 mg/dL | 500 mg/dL | >500 or ≥1000 or ≥2000 mg/dL |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL METHODS | 390 | 386 | - | 2 | - | - | - | 1 | 1 | - | - |
| 77 Elektronika LabUMat/2 | 14 | 14 | - | - | - | - | - | - | - | - | - |
| Acon Laboratories | 11 | 11 | - | - | - | - | - | - | - | - | - |
| Analyticon CombiScan 500 | 4 | 4 | - | - | - | - | - | - | - | - | - |
| Arkray Aution Jet | 3 | 3 | - | - | - | - | - | - | - | - | - |
| Arkray Aution Sticks | 13 | 12 | - | 1 | - | - | - | - | - | - | - |
| Arkray PocketChem UA | 2 | 2 | - | - | - | - | - | - | - | - | - |
| Combi-Screen Test Strips | 12 | 12 | - | - | - | - | - | - | - | - | - |
| DIRUI H-100 / H-500 Urine Analyzer | 15 | 15 | - | - | - | - | - | - | - | - | - |
| DIRUI H-800 Urine Analyzer | 4 | 4 | - | - | - | - | - | - | - | - | - |
| HUMAN Combilyzer | 2 | 2 | - | - | - | - | - | - | - | - | - |
| Iris Diagnostics Aution Max AX-4280 | 2 | 2 | - | - | - | - | - | - | - | - | - |
| Iris Diagnostics iChem Velocity Strips | 5 | 5 | - | - | - | - | - | - | - | - | - |
| Iris Ichem VELOCITY Urine Chemistry System | 3 | 3 | - | - | - | - | - | - | - | - | - |
| Other Analyzer Method | 15 | 15 | - | - | - | - | - | - | - | - | - |
| Other Dipstick Method | 6 | 6 | - | - | - | - | - | - | - | - | - |
| Plasmatec URIPATH | 1 | 1 | - | - | - | - | - | - | - | - | - |
| Roche Chemstrips / Combur | 19 | 19 | - | - | - | - | - | - | - | - | - |
| Roche cobas 6500 / u 601 | 12 | 12 | - | - | - | - | - | - | - | - | - |
| Roche cobas u 411 | 80 | 79 | - | - | - | - | - | - | 1 | - | - |
| Roche Urisys | 40 | 40 | - | - | - | - | - | - | - | - | - |
| SD UroColor Reagent Strips | 37 | 36 | - | - | - | - | - | 1 | - | - | - |
| Siemens Clinitek 500 | 1 | 1 | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek Advantus | 20 | 20 | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek Atlas | 2 | 2 | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek Status / Status+ | 17 | 16 | - | 1 | - | - | - | - | - | - | - |
| Siemens Reagent Strips | 15 | 15 | - | - | - | - | - | - | - | - | - |
| Urinometer | 1 | 1 | - | - | - | - | - | - | - | - | - |
| UriScan Pro/II | 12 | 12 | - | - | - | - | - | - | - | - | - |
| UriScan Reagent Strips | 16 | 16 | - | - | - | - | - | - | - | - | - |
| URIT Medical Uritest Analyzers | 2 | 2 | - | - | - | - | - | - | - | - | - |
| URIT Medical Uritest Reagent Strips | 1 | 1 | - | - | - | - | - | - | - | - | - |

## URINALYSIS DIPSTICK–KETONES

**Specimen UA-2**

| | | | Participant Results | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Labs*** | ***Negative*** | ***Trace*** | ***Small*** | ***Moderate*** | ***Large*** | ***(1+)*** | ***(2+)*** | ***(3+)*** | ***(4+)*** | ***5 - 10 mg/dL*** | ***15 - 25 mg/dL*** | ***40 - 60 mg/dL*** | ***80 - 100 mg/dL*** | ***≥150 mg/dL*** |
| ALL METHODS | 389 | 386 | - | - | - | - | 1 | 1 | 1 | - | - | - | - | - | - |
| 77 Elektronika LabUMat/2 | 14 | 14 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Acon Laboratories | 11 | 11 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Analyticon CombiScan 500 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Arkray Aution Jet | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Arkray Aution Sticks | 13 | 12 | - | - | - | - | 1 | - | - | - | - | - | - | - | - |
| Arkray PocketChem UA | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Combi-Screen Test Strips | 12 | 12 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| DIRUI H-100 / H-500 Urine Analyzer | 15 | 15 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| DIRUI H-800 Urine Analyzer | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| HUMAN Combilyzer | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Iris Diagnostics Aution Max AX-4280 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Iris Diagnostics iChem Velocity Strips | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Iris Ichem VELOCITY Urine Chemistry System | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Other Analyzer Method | 14 | 14 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Other Dipstick Method | 6 | 6 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Plasmatec URIPATH | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Roche Chemstrips / Combur | 18 | 18 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Roche cobas 6500 / u 601 | 12 | 12 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Roche cobas u 411 | 80 | 80 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Roche Urisys | 40 | 40 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SD UroColor Reagent Strips | 37 | 36 | - | - | - | - | - | 1 | - | - | - | - | - | - | - |
| Siemens Clinitek 500 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek Advantus | 20 | 20 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek Atlas | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek Status / Status+ | 17 | 16 | - | - | - | - | - | - | 1 | - | - | - | - | - | - |
| Siemens Reagent Strips | 15 | 15 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Urinometer | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UriScan Pro/II | 12 | 12 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UriScan Reagent Strips | 16 | 16 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| URIT Medical Uritest Analyzers | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| URIT Medical Uritest Reagent Strips | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - |

## URINALYSIS DIPSTICK–BILIRUBIN

**Specimen UA-2**

| | | Participant Results | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Labs*** | ***Negative*** | ***Trace*** | ***Small*** | ***Moderate*** | ***Large*** | ***(1+)*** | ***(2+)*** | ***(3+)*** | ***(4+)*** | ***0.5 - 1.0 mg/dL*** | ***2.0 - 4.0 mg/dL*** | ***6.0 - 10.0 mg/dL*** | ***>10.0 mg/dL*** |
| ALL METHODS | 374 | 372 | - | - | - | - | - | - | 1 | - | - | 1 | - | - |
| 77 Elektronika LabUMat/2 | 14 | 14 | - | - | - | - | - | - | - | - | - | - | - | - |
| Acon Laboratories | 12 | 12 | - | - | - | - | - | - | - | - | - | - | - | - |
| Analyticon CombiScan 500 | 5 | 5 | - | - | - | - | - | - | - | - | - | - | - | - |
| Arkray Aution Jet | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - |
| Arkray Aution Sticks | 13 | 13 | - | - | - | - | - | - | - | - | - | - | - | - |
| Arkray PocketChem UA | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - |
| Combi-Screen Test Strips | 11 | 11 | - | - | - | - | - | - | - | - | - | - | - | - |
| DIRUI H-100 / H-500 Urine Analyzer | 15 | 15 | - | - | - | - | - | - | - | - | - | - | - | - |
| DIRUI H-800 Urine Analyzer | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - |
| HUMAN Combilyzer | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - |
| Iris Diagnostics Aution Max AX-4280 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - |
| Iris Diagnostics iChem Velocity Strips | 6 | 6 | - | - | - | - | - | - | - | - | - | - | - | - |
| Iris Ichem VELOCITY Urine Chemistry System | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - |
| Other Analyzer Method | 15 | 15 | - | - | - | - | - | - | - | - | - | - | - | - |
| Other Dipstick Method | 6 | 6 | - | - | - | - | - | - | - | - | - | - | - | - |
| Plasmatec URIPATH | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| Roche Chemstrips / Combur | 16 | 16 | - | - | - | - | - | - | - | - | - | - | - | - |
| Roche cobas 6500 / u 601 | 12 | 12 | - | - | - | - | - | - | - | - | - | - | - | - |
| Roche cobas u 411 | 80 | 80 | - | - | - | - | - | - | - | - | - | - | - | - |
| Roche Urisys | 40 | 40 | - | - | - | - | - | - | - | - | - | - | - | - |
| SD UroColor Reagent Strips | 37 | 36 | - | - | - | - | - | - | 1 | - | - | - | - | - |
| Siemens Clinitek 500 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek Advantus | 20 | 19 | - | - | - | - | - | - | - | - | - | 1 | - | - |
| Siemens Clinitek Atlas | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek Status / Status+ | 16 | 16 | - | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Reagent Strips | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - |
| UriScan Pro/II | 12 | 12 | - | - | - | - | - | - | - | - | - | - | - | - |
| UriScan Reagent Strips | 16 | 16 | - | - | - | - | - | - | - | - | - | - | - | - |
| URIT Medical Uritest Analyzers | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - |
| URIT Medical Uritest Reagent Strips | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - |

**URINALYSIS DIPSTICK–UROBILINOGEN**

**Specimen UA-2**

***Participant Results***

| ***Method*** | ***Labs*** | ***Normal or 0.0 - 0.2 mg/dL or <3.2 µmol/L*** | ***1.0 or <2.0 mg/dL or 16 µmol/L*** | ***2.0/3.0 mg/dL or 34 or 35 µmol/L*** | ***4.0 or 4.0/6.0 mg/dL or 70 µmol/L*** | ***>/=8.0 or 12.0 mg/dL or >/=140 or 200 µmol/L*** |
|---|---|---|---|---|---|---|
| ALL METHODS | 374 | 373 | - | - | 1 | - |
| 77 Elektronika LabUMat/2 | 14 | 14 | - | - | - | - |
| Acon Laboratories | 11 | 11 | - | - | - | - |
| Analyticon CombiScan 500 | 4 | 4 | - | - | - | - |
| Arkray Aution Jet | 3 | 3 | - | - | - | - |
| Arkray Aution Sticks | 13 | 12 | - | - | 1 | - |
| Arkray PocketChem UA | 2 | 2 | - | - | - | - |
| Combi-Screen Test Strips | 12 | 12 | - | - | - | - |
| DIRUI H-100 / H-500 Urine Analyzer | 15 | 15 | - | - | - | - |
| DIRUI H-800 Urine Analyzer | 4 | 4 | - | - | - | - |
| HUMAN Combilyzer | 2 | 2 | - | - | - | - |
| Iris Diagnostics Aution Max AX-4280 | 2 | 2 | - | - | - | - |
| Iris Diagnostics iChem Velocity Strips | 6 | 6 | - | - | - | - |
| Iris Ichem VELOCITY Urine Chemistry System | 2 | 2 | - | - | - | - |
| Other Analyzer Method | 15 | 15 | - | - | - | - |
| Other Dipstick Method | 6 | 6 | - | - | - | - |
| Plasmatec URIPATH | 1 | 1 | - | - | - | - |
| Roche Chemstrips / Combur | 16 | 16 | - | - | - | - |
| Roche cobas 6500 / u 601 | 12 | 12 | - | - | - | - |
| Roche cobas u 411 | 79 | 79 | - | - | - | - |
| Roche Urisys | 40 | 40 | - | - | - | - |
| SD UroColor Reagent Strips | 37 | 37 | - | - | - | - |
| Siemens Clinitek 500 | 1 | 1 | - | - | - | - |
| Siemens Clinitek Advantus | 20 | 20 | - | - | - | - |
| Siemens Clinitek Atlas | 2 | 2 | - | - | - | - |
| Siemens Clinitek Status / Status+ | 16 | 16 | - | - | - | - |
| Siemens Reagent Strips | 4 | 4 | - | - | - | - |
| Urinometer | 1 | 1 | - | - | - | - |
| UriScan Pro/II | 12 | 12 | - | - | - | - |
| UriScan Reagent Strips | 16 | 16 | - | - | - | - |
| URIT Medical Uritest Analyzers | 2 | 2 | - | - | - | - |
| URIT Medical Uritest Reagent Strips | 1 | 1 | - | - | - | - |

**URINALYSIS DIPSTICK–BLOOD/HEMOGLOBIN**
**Specimen UA-2**

***Participant Results***

| ***Method*** | ***Labs*** | ***Negative*** | ***Trace*** | ***Small*** | ***Moderate*** | ***Large*** | ***(1+)*** | ***(2+)*** | ***(3+)*** | ***(4+)*** | ***(5+)*** | ***5 - 25 Ery/µL*** | ***50 - 100 Ery/µL*** | ***250 Ery/µL*** | ***±0.03 mg/dL*** | ***0.06 - 0.10 mg/dL*** | ***0.2 - 0.5 mg/dL*** | ***≥ 1.0 mg/dL*** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL METHODS | 387 | 3 | 1 | - | - | 5 | - | 8 | 167 | 40 | 1 | - | 3 | 155 | - | - | 1 | 3 |
| 77 Elektronika LabUMat/2 | 14 | - | - | - | - | - | - | - | 11 | 1 | - | - | - | 2 | - | - | - | - |
| Acon Laboratories | 10 | - | - | - | - | - | - | - | 7 | 3 | - | - | - | - | - | - | - | - |
| Analyticon CombiScan 500 | 4 | - | - | - | - | - | - | - | 2 | - | - | - | - | 2 | - | - | - | - |
| Arkray Aution Jet | 3 | - | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - | - | - |
| Arkray Aution Sticks | 13 | - | - | - | - | - | - | 2 | 11 | - | - | - | - | - | - | - | - | - |
| Arkray PocketChem UA | 2 | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - | - |
| Combi-Screen Test Strips | 12 | - | - | - | - | 1 | - | - | 5 | - | - | - | - | 6 | - | - | - | - |
| DIRUI H-100 / H-500 Urine Analyzer | 15 | - | - | - | - | - | - | - | 12 | 1 | - | - | 1 | 1 | - | - | - | - |
| DIRUI H-800 Urine Analyzer | 4 | - | - | - | - | - | - | - | 3 | - | - | - | - | 1 | - | - | - | - |
| HUMAN Combilyzer | 2 | - | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - | - |
| Iris Diagnostics Aution Max AX-4280 | 2 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | 1 | - |
| Iris Diagnostics iChem Velocity Strips | 6 | 1 | - | - | - | - | - | - | 4 | - | - | - | - | - | - | - | - | 1 |
| Iris Ichem VELOCITY Urine Chemistry System | 2 | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | 1 |
| Other Analyzer Method | 15 | - | 1 | - | - | - | - | 3 | 10 | - | - | - | - | 1 | - | - | - | - |
| Other Dipstick Method | 6 | - | - | - | - | - | - | - | 4 | 1 | - | - | - | 1 | - | - | - | - |
| Plasmatec URIPATH | 1 | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - |
| Roche Chemstrips / Combur | 17 | - | - | - | - | - | - | - | 2 | 13 | - | - | - | 2 | - | - | - | - |
| Roche cobas 6500 / u 601 | 12 | - | - | - | - | - | - | - | - | - | 1 | - | - | 11 | - | - | - | - |
| Roche cobas u 411 | 80 | - | - | - | - | - | - | - | - | 2 | - | - | 1 | 77 | - | - | - | - |
| Roche Miditron Junior/II | 1 | - | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - |
| Roche Urisys | 40 | 1 | - | - | - | - | - | - | 1 | 5 | - | - | - | 33 | - | - | - | - |
| SD UroColor Reagent Strips | 37 | 1 | - | - | - | - | - | - | 25 | 8 | - | - | - | 3 | - | - | - | - |
| Siemens Clinitek 500 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - | - |
| Siemens Clinitek Advantus | 19 | - | - | - | - | 1 | - | - | 13 | - | - | - | 1 | 4 | - | - | - | - |
| Siemens Clinitek Atlas | 2 | - | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - | - | - |
| Siemens Clinitek Status / Status+ | 16 | - | - | - | - | 2 | - | - | 14 | - | - | - | - | - | - | - | - | - |
| Siemens Reagent Strips | 16 | - | - | - | - | 1 | - | - | 14 | 1 | - | - | - | - | - | - | - | - |
| Urinometer | 1 | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - |
| UriScan Pro/II | 12 | - | - | - | - | - | - | 1 | 4 | - | - | - | - | 7 | - | - | - | - |
| UriScan Reagent Strips | 16 | - | - | - | - | - | - | - | 13 | 2 | - | - | - | - | - | - | - | 1 |
| URIT Medical Uritest Analyzers | 2 | - | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - | - | - |
| URIT Medical Uritest Reagent Strips | 1 | - | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - | - |

## URINALYSIS DIPSTICK–LEUKOCYTE ESTERASE

**Specimen UA-2**

| | | *Participant Results* | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Labs*** | ***Negative*** | ***Trace*** | ***Small*** | ***Moderate*** | ***Large*** | ***(1+)*** | ***(2+)*** | ***(3+)*** | ***(4+)*** | ***15 or 25 µL*** | ***75 or 100 µL*** | ***250 or 500 µL*** |
| ALL METHODS | 374 | 364 | 4 | - | - | - | 2 | 2 | - | 1 | - | - | 1 |
| 77 Elektronika LabUMat/2 | 14 | 14 | - | - | - | - | - | - | - | - | - | - | - |
| Acon Laboratories | 11 | 11 | - | - | - | - | - | - | - | - | - | - | - |
| Analyticon CombiScan 500 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - |
| Arkray Aution Jet | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - |
| Arkray Aution Sticks | 12 | 11 | 1 | - | - | - | - | - | - | - | - | - | - |
| Arkray PocketChem UA | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| Combi-Screen Test Strips | 13 | 13 | - | - | - | - | - | - | - | - | - | - | - |
| DIRUI H-100 / H-500 Urine Analyzer | 15 | 15 | - | - | - | - | - | - | - | - | - | - | - |
| DIRUI H-800 Urine Analyzer | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - |
| HUMAN Combilyzer | 2 | 1 | 1 | - | - | - | - | - | - | - | - | - | - |
| Iris Diagnostics Aution Max AX-4280 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| Iris Diagnostics iChem Velocity Strips | 6 | 6 | - | - | - | - | - | - | - | - | - | - | - |
| Iris Ichem VELOCITY Urine Chemistry System | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| Other Analyzer Method | 15 | 15 | - | - | - | - | - | - | - | - | - | - | - |
| Other Dipstick Method | 6 | 6 | - | - | - | - | - | - | - | - | - | - | - |
| Plasmatec URIPATH | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Roche Chemstrips / Combur | 17 | 17 | - | - | - | - | - | - | - | - | - | - | - |
| Roche cobas 6500 / u 601 | 12 | 11 | - | - | - | - | - | - | - | - | - | - | 1 |
| Roche cobas u 411 | 81 | 80 | - | - | - | - | - | - | - | 1 | - | - | - |
| Roche Urisys | 40 | 40 | - | - | - | - | - | - | - | - | - | - | - |
| SD UroColor Reagent Strips | 35 | 30 | 2 | - | - | - | 1 | 2 | - | - | - | - | - |
| Siemens Clinitek 500 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek Advantus | 20 | 20 | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek Atlas | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek Status / Status+ | 16 | 15 | - | - | - | - | 1 | - | - | - | - | - | - |
| Siemens Reagent Strips | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - |
| Urinometer | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| UriScan Pro/II | 11 | 11 | - | - | - | - | - | - | - | - | - | - | - |
| UriScan Reagent Strips | 16 | 16 | - | - | - | - | - | - | - | - | - | - | - |
| URIT Medical Uritest Analyzers | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| URIT Medical Uritest Reagent Strips | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - |

## URINALYSIS DIPSTICK–NITRITE

**Specimen UA-2**

***Participant Results***

| ***Method*** | ***Labs*** | ***Positive*** | ***Negative*** |
|---|---|---|---|
| ALL METHODS | 377 | 376 | 1 |
| 77 Elektronika LabUMat/2 | 14 | 14 | - |
| Acon Laboratories | 11 | 11 | - |
| Analyticon CombiScan 500 | 4 | 4 | - |
| Arkray Aution Jet | 3 | 3 | - |
| Arkray Aution Sticks | 13 | 13 | - |
| Arkray PocketChem UA | 2 | 2 | - |
| Combi-Screen Test Strips | 12 | 12 | - |
| DIRUI H-100 / H-500 Urine Analyzer | 15 | 15 | - |
| DIRUI H-800 Urine Analyzer | 4 | 4 | - |
| HUMAN Combilyzer | 2 | 2 | - |
| Iris Diagnostics Aution Max AX-4280 | 2 | 2 | - |
| Iris Diagnostics iChem Velocity Strips | 6 | 6 | - |
| Iris Ichem VELOCITY Urine Chemistry System | 2 | 2 | - |
| Other Analyzer Method | 15 | 15 | - |
| Other Dipstick Method | 6 | 6 | - |
| Plasmatec URIPATH | 1 | 1 | - |
| Roche Chemstrips / Combur | 18 | 18 | - |
| Roche cobas 6500 / u 601 | 12 | 12 | - |
| Roche cobas u 411 | 80 | 80 | - |
| Roche Urisys | 40 | 39 | 1 |
| SD UroColor Reagent Strips | 37 | 37 | - |
| Siemens Clinitek 500 | 1 | 1 | - |
| Siemens Clinitek Advantus | 20 | 20 | - |
| Siemens Clinitek Atlas | 2 | 2 | - |
| Siemens Clinitek Status / Status+ | 16 | 16 | - |
| Siemens Reagent Strips | 4 | 4 | - |
| Urinometer | 1 | 1 | - |
| UriScan Pro/II | 12 | 12 | - |
| UriScan Reagent Strips | 16 | 16 | - |
| URIT Medical Uritest Analyzers | 2 | 2 | - |
| URIT Medical Uritest Reagent Strips | 1 | 1 | - |

## URINALYSIS –MICROALBUMIN (dipstick only)

**Specimen UA-2**

*Participant Results*

| *Method* | *Labs* | *Negative* | *10 mg/L* | *20 mg/L* | *30 mg/L* | *50 mg/L* | *80 mg/L* | *100 mg/L* | *150 mg/L* | *+ (4 - 8 mg/dL)* | *++ (>8 mg/dL)* |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ALL METHODS | 23 | 5 | 1 | - | - | - | 2 | 3 | 7 | 1 | 4 |
| Arkray Aution Sticks | 1 | 1 | - | - | - | - | - | - | - | - | - |
| Beckman Coulter ICON microALB | 1 | - | - | - | - | - | 1 | - | - | - | - |
| Other Analyzer Method | 6 | 1 | - | - | - | - | - | 1 | 1 | 1 | 2 |
| Roche cobas 6000 / c 501 | 3 | - | - | - | - | - | - | - | 3 | - | - |
| Roche cobas u 411 | 1 | 1 | - | - | - | - | - | - | - | - | - |
| Roche Micral - 1 minute | 4 | 1 | - | - | - | - | 1 | 1 | 1 | - | - |
| Siemens Clinitek Microalbumin | 1 | - | - | - | - | - | - | 1 | - | - | - |
| UriScan Reagent Strips | 2 | 1 | 1 | - | - | - | - | - | - | - | - |

## URINALYSIS –URINE hCG

**Specimen UA-2**

*Participant Results*

| *Method* | *Labs* | *Positive* | *Negative* |
|---|---|---|---|
| ALL METHODS | 112 | 111 | 1 |
| Acon Laboratories | 5 | 5 | - |
| Alere Clearview hCG Cassette | 7 | 7 | - |
| Alere hCG Cassette | 12 | 12 | - |
| Biotron 1-Step | 1 | 1 | - |
| Medline hCG Test Strip | 1 | 1 | - |
| Quidel QuickVue One-Step Combo | 19 | 19 | - |
| Quidel QuickVue One-Step Urine | 1 | 1 | - |
| SD Bioline hCG | 16 | 16 | - |
| Siemens Clinitek Status / Status+ | 10 | 9 | 1 |
| Stanbio QuStick | 1 | 1 | - |

## MISCELLANEOUS CULTURES

### Specimen BA-4 – Blood Culture

| ***Identification*** | ***Labs*** | ***Percent*** | ***Performance*** |
|---|---|---|---|
| Staphylococcus haemolyticus | 83 | 82.18% | Acceptable |
| Staphylococcus sp. | 8 | 7.92% | Acceptable |
| Staph – coagulase neg. | 4 | 3.96% | Acceptable |
| Staphylococcus epidermidis | 3 | 2.97% | |
| Staphylococcus aureus | 2 | 1.98% | |
| Staphylococcus hominis | 1 | 0.99% | |

Organism(s) present: *Staphylococcus haemolyticus*.

### Specimen BA-5 – Stool Culture

| ***Identification*** | ***Labs*** | ***Percent*** | ***Performance*** |
|---|---|---|---|
| Escherichia coli | 80 | 47.34% | Acceptable |
| Shigella sp. | 63 | 37.28% | Acceptable |
| Shigella flexneri | 21 | 12.43% | Acceptable |
| Normal flora | 1 | 0.59% | Acceptable |
| Gram positive cocci | 3 | 1.78% | |
| No enteric pathogens isolated | 1 | 0.59% | |

Organism(s) present: *Shigella flexneri* and *Escherichia coli.*

**MISCELLANEOUS CULTURES**

**Specimen BA-6 – Wound Culture**

| ***Identification*** | ***Labs*** | ***Percent*** | ***Performance*** |
|---|---|---|---|
| Streptococcus salivarius | 72 | 41.14% | Acceptable |
| Eikenella corrodens | 42 | 24.00% | Acceptable |
| Streptococcus alpha-hemolytic | 13 | 7.43% | Acceptable |
| Eikenella sp. | 9 | 5.14% | Acceptable |
| Gram negative bacilli | 4 | 2.29% | Acceptable |
| Gram positive cocci | 4 | 2.29% | Acceptable |
| Streptococcus non-hemolytic | 3 | 1.71% | Acceptable |
| Gram negative coccobacilli | 3 | 1.71% | Acceptable |
| Streptococcus viridans group | 2 | 1.14% | Acceptable |
| Escherichia coli | 4 | 2.29% | |
| Streptococcus mitis | 3 | 1.71% | |
| Aeromonas sp. | 2 | 1.14% | |
| Haemophilus sp. | 2 | 1.14% | |
| Strep – beta hemo, not Grp A | 1 | 0.57% | |
| Staphylococcus epidermidis | 1 | 0.57% | |
| Serratia sp. | 1 | 0.57% | |
| Gram positive bacilli | 1 | 0.57% | |
| Corynebacterium sp. | 1 | 0.57% | |
| Enterococcus sp. | 1 | 0.57% | |
| Anaerobe present – no ID | 1 | 0.57% | |
| Anaerobic cultures not performance | 1 | 0.57% | |
| Pasteurella sp. | 1 | 0.57% | |
| Prevotella sp. | 1 | 0.57% | |
| Fusobacterium nucleatum | 1 | 0.57% | |
| Streptococcus intermedius | 1 | 0.57% | |

Organism(s) present: *Streptococcus salivarius* and *Eikenella corrodens*.

**ANTIMICROBIAL SUSCEPTIBILIY TESTING**

| Specimen UC-6, CC-6 (SUS-6) | ------Disk Diffusion------ | | | | ------MIC------ | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Interpretative category data | | | | Interpretative category data | | | | |
| ***Antimicrobial*** | ***Labs*** | ***S*** | ***I*** | ***R*** | ***Labs*** | ***S*** | ***I*** | ***R*** | ***Acceptable (%)*** |
| Amikacin | 38 | 37 | - | 1 | 119 | 118 | - | 1 | 98.15% |
| Amoxicillin/Clavulanate | 34 | 31 | 1 | 2 | 49 | 48 | - | 1 | 95.18% |
| Ampicillin | 19 | - | - | 19 | 63 | 2 | 1 | 60 | 96.47% |
| Ampicillin/Sulbactam | 22 | 19 | 1 | 2 | 80 | 78 | - | 2 | 95.19% |
| Aztreonam | 18 | 18 | - | - | 33 | 33 | - | - | 100.00% |
| Carbenicillin | - | - | - | - | 1 | - | - | 1 | Inappropriate drug[1] |
| Cefaclor | 4 | 4 | - | - | 1 | 1 | - | - | 100.00% |
| Cefamandole | - | - | - | - | 1 | 1 | - | - | Ungraded[2] |
| Cefazolin | 15 | 15 | - | - | 48 | 48 | - | - | 100.00% |
| Cefepime | 28 | 28 | - | - | 115 | 112 | 1 | 2 | 97.96% |
| Cefixime | 19 | 19 | - | - | 8 | 8 | - | - | 100.00% |
| Cefoperazone | 9 | 9 | - | - | 1 | 1 | - | - | 100.00% |
| Cefotaxime | 30 | 30 | - | - | 55 | 55 | - | - | 100.00% |
| Cefotetan | - | - | - | - | 2 | 2 | - | - | 100.00% |
| Cefoxitin | 8 | 8 | - | - | 40 | 40 | - | - | 100.00% |
| Cefpodoxime | 5 | 5 | - | - | 3 | 3 | - | - | 100.00% |
| Ceftazidime | 31 | 31 | - | - | 103 | 103 | - | - | 100.00% |
| Ceftizoxime | - | - | - | - | 3 | 3 | - | - | 100.00% |
| Ceftriaxone | 33 | 33 | - | - | 94 | 92 | 1 | 1 | 98.47% |
| Cefuroxime | 34 | 33 | 1 | - | 75 | 73 | - | 2 | 97.27% |
| Cephalexin | 4 | 4 | - | - | 3 | 3 | - | - | Inappropriate drug[1] |
| Cephalothin | 3 | 3 | - | - | 36 | 36 | - | - | Inappropriate drug[1] |
| Ciprofloxacin | 42 | 42 | - | - | 138 | 137 | - | 1 | 99.46% |
| Colistin | 3 | 2 | - | 1 | 12 | 11 | - | 1 | Inappropriate drug[1] |
| Daptomycin | - | - | - | - | 1 | 1 | - | - | Inappropriate drug[1] |
| Doripenem | 2 | 2 | - | - | 4 | 4 | - | - | 100.00% |
| Doxycycline | 1 | 1 | - | - | 2 | 1 | - | 1 | Ungraded[3] |
| Ertapenem | 16 | 16 | - | - | 92 | 90 | 1 | 1 | 98.20% |
| Fosfomycin | 7 | 7 | - | - | 17 | 13 | - | 4 | Inappropriate drug[1] |
| Gatifloxacin | - | - | - | - | 1 | 1 | - | - | Ungraded[2] |

[1] This is an inappropriate drug for organism and/or source.

[2] This is an ungraded challenge due to lack of comparison group.

[3] This is an ungraded challenge due to less than 80% participant consensus.

**ANTIMICROBIAL SUSCEPTIBILIY TESTING (cont'd)**

| Specimen UC-6, CC-6 (SUS-6) | ------Disk Diffusion------ | | | | ------MIC------ | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Interpretative category data | | | | Interpretative category data | | | | |
| ***Antimicrobial*** | ***Labs*** | ***S*** | ***I*** | ***R*** | ***Labs*** | ***S*** | ***I*** | ***R*** | ***Acceptable (%)*** |
| Gentamicin | 34 | 32 | 1 | 1 | 124 | 123 | - | 1 | 98.16% |
| Imipenem | 28 | 28 | - | - | 78 | 78 | - | - | 100.00% |
| Kanamycin | - | - | - | - | 1 | 1 | - | - | Ungraded[2] |
| Levofloxacin | 23 | 23 | - | - | 62 | 61 | - | 1 | 98.88% |
| Linezolid | - | - | - | - | 1 | 1 | - | - | Inappropriate drug[1] |
| Lomefloxacin | - | - | - | - | 1 | 1 | - | - | Ungraded[2] |
| Meropenem | 25 | 25 | - | - | 99 | 98 | 1 | - | 99.20% |
| Methicillin | - | - | - | - | 1 | 1 | - | - | Inappropriate drug[1] |
| Minocycline | 2 | 2 | - | - | 1 | 1 | - | - | 100.00% |
| Moxifloxacin | 3 | 3 | - | - | 1 | 1 | - | - | Inappropriate drug[1] |
| Nalidixic Acid | 7 | 7 | - | - | 5 | 4 | - | 1 | 91.67% |
| Netilmicin | 9 | 9 | - | - | 3 | 3 | - | - | 100.00% |
| Nitrofurantoin | 32 | 28 | 3 | 1 | 93 | 83 | 10 | - | 89.06% |
| Norfloxacin | 17 | 17 | - | - | 49 | 49 | - | - | 100.00% |
| Ofloxacin | 14 | 14 | - | - | 4 | 3 | - | 1 | 94.44% |
| Oxacillin | - | - | - | - | 1 | 1 | - | - | Inappropriate drug[1] |
| Penicillin | - | - | - | - | 2 | 1 | - | 1 | Inappropriate drug[1] |
| Piperacillin | 3 | 3 | - | - | 7 | 7 | - | - | 100.00% |
| Piperacillin/Tazobactam | 24 | 24 | - | - | 80 | 79 | - | 1 | 99.06% |
| Quinupristin/Dalfopristin | - | - | - | - | 1 | 1 | - | - | Inappropriate drug[1] |
| Rifampin | - | - | - | - | 2 | 2 | - | - | Inappropriate drug[1] |
| Sulfisoxazole | - | - | - | - | 1 | 1 | - | - | Ungraded[2] |
| Teicoplanin | - | - | - | - | 1 | 1 | - | - | Inappropriate drug[1] |
| Tetracycline | 6 | 6 | - | - | 11 | 10 | - | 1 | 94.12% |
| Ticarcillin | - | - | - | - | 2 | 2 | - | - | Inappropriate drug[1] |
| Ticarcillin/Clavulanate | 1 | 1 | - | - | 5 | 5 | - | - | 100.00% |
| Tigecycline | - | - | - | - | 5 | 4 | 1 | - | Inappropriate drug[1] |
| Tobramycin | 4 | 4 | - | - | 23 | 23 | - | - | 100.00% |
| Trimethoprim | - | - | - | - | 3 | 3 | - | - | 100.00% |
| Trimethoprim/Sulfamethoxazole | 32 | 32 | - | - | 119 | 118 | 1 | - | 99.35% |
| Vancomycin | - | - | - | - | 2 | 1 | - | 1 | Inappropriate drug[1] |

Organism(s) present: *Klebsiella pneumoniae.*

NOTE: Please be aware that CLSI issues annual editions of M100, the standards used by all proficiency testing programs for grading of susceptibilities.
Drugs considered appropriate may change significantly with subsequent editions. The current edition of the CLSI M100 document is accessible online at CLSI.org
under Standards>Free Resources.

## PARASITOLOGY (PA Specimens)

### Specimen PA-6

| *Identification* | *Labs* | *Percent* | *Performance* |
|---|---|---|---|
| No parasite seen | 4 | 57.14% | Unacceptable |
| Entamoeba coli | 1 | 14.29% | Unacceptable |
| Hookworm | 1 | 14.29% | Unacceptable |
| Trichinella spiralis | 1 | 14.29% | Unacceptable |

Parasite(s) present: *Dientamoeba fragilis*. This specimen is graded to US statistics.

### Specimen PA-7

| *Identification* | *Labs* | *Percent* | *Performance* |
|---|---|---|---|
| No parasite seen | 4 | 40.00% | Acceptable |
| Dientamoeba fragilis | 1 | 10.00% | |
| Entamoeba histolytica | 1 | 10.00% | |
| Giardia lamblia | 1 | 10.00% | |
| Hookworm | 1 | 10.00% | |
| Hymenolepis nana eggs | 1 | 10.00% | |
| Protozoan seen but no ID | 1 | 10.00% | |

Parasite(s) present: No parasite present. This specimen is graded to US statistics.

### Specimen PA-8

| *Identification* | *Labs* | *Percent* | *Performance* |
|---|---|---|---|
| Hymenolepis nana eggs | 21 | 87.50% | Acceptable |
| Hymenolepis diminuta eggs | 2 | 8.33% | |
| Ascaris lumbricoides eggs | 1 | 4.17% | |

Parasite(s) present: *Hymenolepis nana eggs.*

**PARASITOLOGY (PA Specimens) cont'd**

**Specimen PA-9**

| ***Identification*** | ***Labs*** | ***Percent*** | ***Performance*** |
|---|---|---|---|
| Entamoeba histolytica | 19 | 76.00% | Acceptable |
| Protozoan seen but no ID | 1 | 4.00% | Acceptable |
| Other parasite seen but no ID | 1 | 4.00% | Acceptable |
| Entamoeba coli | 2 | 4.00% | |
| Iodamoeba buetschlii | 1 | 4.00% | |
| No parasite seen | 1 | 4.00% | |

Parasite(s) present: *Entamoeba histolytica.*

**Specimen PA-10**

| ***Identification*** | ***Labs*** | ***Percent*** | ***Performance*** |
|---|---|---|---|
| Strongyloides stercoralis larva | 21 | 87.50% | Acceptable |
| Parasite larva seen but no ID | 1 | 4.17% | Acceptable |
| No parasite seen | 1 | 4.17% | |
| Ascaris lumbricoides eggs | 1 | 4.17% | |

Parasite(s) present: *Strongyloides stercoralis* larva.

**PARASITOLOGY (FP Specimens)**

**Specimen FP-6**

| ***Identification*** | ***Labs*** | ***Percent*** | ***Performance*** |
|---|---|---|---|
| Schistosoma sp. egg | 150 | 60.48% | Acceptable |
| Schistosoma mansoni eggs | 14 | 5.65% | Acceptable |
| Schistosoma haematobium eggs | 38 | 15.32% | |
| No parasite seen | 35 | 14.11% | |
| Balantidium coli | 2 | 0.81% | |
| Chilomastix mesnili | 1 | 0.40% | |
| Entamoeba coli | 1 | 0.40% | |
| Entamoeba histolytica | 1 | 0.40% | |
| Fasciola hepatica eggs | 1 | 0.40% | |
| Giardia lamblia | 1 | 0.40% | |
| Paragonimus westermani eggs | 1 | 0.40% | |
| Trypanosoma cruzi | 1 | 0.40% | |
| Ascaris lumbricoides eggs | 1 | 0.40% | |
| Schistosoma japonicum eggs | 1 | 0.40% | |

Parasite(s) present: *Schistosoma mansoni eggs.* Specimen FP-6 is graded by 84% referee consensus.

**PARASITOLOGY (FP Specimens)**

**Specimen FP-7**

| ***Identification*** | ***Labs*** | ***Percent*** | ***Performance*** |
|---|---|---|---|
| Clonorchis sinensis | 140 | 55.34% | Acceptable |
| Parasite egg seen but no ID | 4 | 1.58% | Acceptable |
| Other parasite seen but no ID | 1 | 0.40% | Acceptable |
| No parasite seen | 55 | 21.74% | |
| Giardia lamblia | 10 | 3.95% | |
| Fasciola hepatica eggs | 7 | 2.77% | |
| Taenia sp. eggs | 7 | 2.77% | |
| Blastocystis hominis | 4 | 1.58% | |
| Endolimax nana | 3 | 1.19% | |
| Entamoeba coli | 3 | 1.19% | |
| Enterobius vermicularis eggs | 3 | 1.19% | |
| Ascaris lumbricoides eggs | 3 | 1.19% | |
| Paragonimus westermani eggs | 3 | 1.19% | |
| Parasite larva seen but no ID | 2 | 0.79% | |
| Trichuris trichiura eggs | 2 | 0.79% | |
| Schistosoma sp. eggs | 1 | 0.40% | |
| Schistosoma haematobium eggs | 1 | 0.40% | |
| Strongyloides stercoralis larvae | 1 | 0.40% | |
| Balantidium coli | 1 | 0.40% | |
| Hookworm | 1 | 0.40% | |
| Hymenolepis diminuta eggs | 1 | 0.40% | |

Parasite(s) present: *Clonorchis sinensis*. Specimen FP-7 is graded by 87% referee consensus.

**PARASITOLOGY (FP Specimens) cont'd**

**Specimen FP-8**

| ***Identification*** | ***Labs*** | ***Percent*** | ***Performance*** |
|---|---|---|---|
| Balantidium coli | 210 | 85.71% | Acceptable |
| No parasite seen | 14 | 5.71% | |
| Diphyllobothrium latum | 3 | 1.22% | |
| Paragonimus westermani eggs | 2 | 0.82% | |
| Schistosoma japonicum eggs | 2 | 0.82% | |
| Blastocystis hominis | 2 | 0.82% | |
| Ascaris lumbricoides eggs | 2 | 0.82% | |
| Clonorchis sinensis | 2 | 0.82% | |
| Hookworm | 1 | 0.41% | |
| Hymenolepis diminuta eggs | 1 | 0.41% | |
| Hymenolepis nana eggs | 1 | 0.41% | |
| Strongyloides stercoralis larvae | 1 | 0.41% | |
| Taenia sp. eggs | 1 | 0.41% | |
| Parasite egg seen but no ID | 1 | 0.41% | |
| Nonpath, protozoan present | 1 | 0.41% | |
| Entamoeba coli | 1 | 0.41% | |

Parasite(s) present: *Balantidium coli*.

**PARASITOLOGY (FP Specimens) cont'd**

**Specimen FP-9**

| ***Identification*** | ***Labs*** | ***Percent*** | ***Performance*** |
|---|---|---|---|
| Diphyllobothrium latum | 187 | 73.05% | Acceptable |
| Parasite egg seen but no ID | 3 | 1.17% | Acceptable |
| Fasciola hepatica eggs | 22 | 8.59% | |
| Paragonimus westermani eggs | 12 | 4.69% | |
| Endolimax nana | 8 | 3.13% | |
| Ascaris lumbricoides eggs | 5 | 1.95% | |
| Hookworm | 5 | 1.95% | |
| Entamoeba histolytica | 4 | 1.56% | |
| Trichostrongylus sp. eggs | 2 | 0.78% | |
| No parasite seen | 2 | 0.78% | |
| Cyclospora cayetanensis | 1 | 0.39% | |
| Nonpath, protozoan present | 1 | 0.39% | |
| Balantidium coli | 1 | 0.39% | |
| Iodamoeba buetschlii | 1 | 0.39% | |
| Clonorchis sinensis | 1 | 0.39% | |
| Trypanosoma brucei sp. | 1 | 0.39% | |

Parasite(s) present: *Diphyllobothrium latum*. This challenge was graded by 82% referee consensus

**PARASITOLOGY (FP Specimens) cont'd**

**Specimen FP-10**

| ***Identification*** | ***Labs*** | ***Percent*** | ***Performance*** |
|---|---|---|---|
| Trypanosoma sp. | 120 | 50.85% | Acceptable |
| Trypanosoma brucei sp. | 34 | 14.41% | Acceptable |
| Trypanosoma brucei gambiense | 12 | 14.41% | Acceptable |
| Trypanosoma cruzi | 63 | 26.69% | |
| Trypanosoma brucei sp. | 34 | 14.41% | |
| Trypanosoma brucei rhodesiense | 5 | 2.12% | |
| Leishmania sp. | 1 | 0.42% | |
| Plasmodium falciparum | 1 | 0.42% | |

Parasite(s) present: *Trypanosoma brucei gambiense.* This challenge was graded by 88% referee consensus.

## Antinuclear Antibody (ANA) - Qualitative

| Method | Specimen AE-6 Positive | Specimen AE-6 Negative | Specimen AE-7 Positive | Specimen AE-7 Negative | Specimen AE-8 Positive | Specimen AE-8 Negative |
|---|---|---|---|---|---|---|
| ALL METHODS | 1 | 17 | 14 | 4 | 1 | 17 |
| Bio-Rad | - | 1 | 1 | - | - | 1 |
| BioSystems | 1 | - | 1 | - | 1 | - |
| Immuno Concepts | - | 3 | 3 | - | - | 3 |
| INOVA Diagnostics | - | 6 | 4 | 2 | - | 6 |
| Kallestad | - | 1 | 1 | - | - | 1 |
| Zeus | - | 1 | 1 | - | - | 1 |

| Method | Specimen AE-9 Positive | Specimen AE-9 Negative | Specimen AE-10 Positive | Specimen AE-10 Negative |
|---|---|---|---|---|
| ALL METHODS | 16 | 2 | 17 | 1 |
| Bio-Rad | 1 | - | 1 | - |
| BioSystems | 1 | - | 1 | - |
| Immuno Concepts | 3 | - | 3 | - |
| INOVA Diagnostics | 5 | 1 | 5 | 1 |
| Kallestad | 1 | - | 1 | - |
| Zeus | 1 | - | 1 | - |

## Antinuclear Antibody (ANA)—Semi-Quantitative (Titer)

| Specimen/Method | N/A (Neg) | 8/ 10 | 16/ 20 | 32/ 40 | 64/ 80 | 128/ 160 | 256/ 320 | 512/ 640 | >640 | 1024/ 1280 | 2048/ 2560 | ≥2560 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Specimen AE-6** | | | | | | | | | | | | |
| ALL METHODS | 11 | - | - | - | - | - | - | - | - | - | - | - |
| Immuno Concepts | 2 | - | - | - | - | - | - | - | - | - | - | - |
| INOVA Diagnostics | 4 | - | - | - | - | - | - | - | - | - | - | - |
| Kallestad | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Zeus | 1 | - | - | - | - | - | - | - | - | - | - | - |

**Antinuclear Antibody (ANA)—Semi-Quantitative (Titer)**

| *Specimen/Method* | *N/A (Neg)* | *8/ 10* | *16/ 20* | *32/ 40* | *64/ 80* | *128/ 160* | *256/ 320* | *512/ 640* | *>640* | *1024/ 1280* | *2048/ 2560* | *≥2560* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Specimen AE-7** | | | | | | | | | | | | |
| ALL METHODS | 1 | - | - | - | 4 | - | 1 | 1 | - | 3 | 1 | - |
| Immuno Concepts | - | - | - | - | 2 | - | - | - | - | - | - | - |
| INOVA Diagnostics | 1 | - | - | - | 1 | - | 1 | - | - | 1 | - | - |
| Kallestad | - | - | - | - | - | - | - | - | - | - | 1 | - |
| Zeus | - | - | - | - | - | - | - | - | - | 1 | - | - |
| **Specimen AE-8** | | | | | | | | | | | | |
| ALL METHODS | 11 | - | - | - | - | - | - | - | - | - | - | - |
| Immuno Concepts | 2 | - | - | - | - | - | - | - | - | - | - | - |
| INOVA Diagnostics | 4 | - | - | - | - | - | - | - | - | - | - | - |
| Kallestad | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Zeus | 1 | - | - | - | - | - | - | - | - | - | - | - |
| **Specimen AE-9** | | | | | | | | | | | | |
| ALL METHODS | - | - | - | - | - | 1 | 3 | 2 | 1 | 4 | - | - |
| Immuno Concepts | - | - | - | - | - | - | 2 | - | - | - | - | - |
| INOVA Diagnostics | - | - | - | - | - | - | 1 | 1 | 1 | 1 | - | - |
| Kallestad | - | - | - | - | - | - | - | 1 | - | - | - | - |
| Zeus | - | - | - | - | - | - | - | - | - | 1 | - | - |
| **Specimen AE-10** | | | | | | | | | | | | |
| ALL METHODS | 1 | - | - | - | - | - | 2 | 2 | - | 5 | 1 | - |
| Immuno Concepts | - | - | - | - | - | - | - | - | - | 2 | - | - |
| INOVA Diagnostics | 1 | - | - | - | - | - | 1 | - | - | 1 | 1 | - |
| Kallestad | - | - | - | - | - | - | - | - | - | 1 | - | - |
| Zeus | - | - | - | - | - | - | - | - | - | 1 | - | - |

**Anti-dsDNA**

| | Specimen AE-6 | | Specimen AE-7 | | Specimen AE-8 | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** |
| ALL METHODS | - | 16 | - | 15 | - | 16 |
| BioSystems | - | 1 | - | 1 | - | 1 |
| INOVA Diagnostics | - | 7 | - | 6 | - | 7 |
| Kallestad | - | 1 | - | 1 | - | 1 |
| Zeus | - | 1 | - | 1 | - | 1 |

| | Specimen AE-9 | | Specimen AE-10 | |
|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** |
| ALL METHODS | 1 | 14 | - | 15 |
| BioSystems | - | 1 | - | 1 |
| INOVA Diagnostics | 1 | 5 | - | 6 |
| Kallestad | - | 1 | - | 1 |
| Zeus | - | 1 | - | 1 |

**Anti-RNP**

| | Specimen AE-6 | | Specimen AE-7 | | Specimen AE-8 | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** |
| ALL METHODS | - | 12 | - | 12 | - | 12 |
| INOVA Diagnostics | - | 7 | - | 7 | - | 7 |
| Kallestad | - | 1 | - | 1 | - | 1 |

| | Specimen AE-9 | | Specimen AE-10 | |
|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** |
| ALL METHODS | 10 | 2 | 1 | 11 |
| INOVA Diagnostics | 6 | 1 | 1 | 6 |
| Kallestad | 1 | - | - | 1 |

**Anti-RNP/Sm**

| | Specimen AE-6 | | Specimen AE-7 | | Specimen AE-8 | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** |
| ALL METHODS | - | 7 | 1 | 6 | - | 7 |
| INOVA Diagnostics | - | 1 | - | 1 | - | 1 |

| | Specimen AE-9 | | Specimen AE-10 | |
|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** |
| ALL METHODS | 5 | 2 | - | 7 |
| INOVA Diagnostics | - | 1 | - | 1 |

**Anti-SSA**

| | Specimen AE-6 | | Specimen AE-7 | | Specimen AE-8 | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** |
| ALL METHODS | - | 17 | - | 17 | - | 17 |
| INOVA Diagnostics | - | 8 | - | 8 | - | 8 |
| Kallestad | - | 1 | - | 1 | - | 1 |

| | Specimen AE-9 | | Specimen AE-10 | |
|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** |
| ALL METHODS | 1 | 16 | 16 | 1 |
| INOVA Diagnostics | 1 | 7 | 7 | 1 |
| Kallestad | - | 1 | 1 | - |

**Anti-SSB**

| Method | Specimen AE-6 Positive | Specimen AE-6 Negative | Specimen AE-7 Positive | Specimen AE-7 Negative | Specimen AE-8 Positive | Specimen AE-8 Negative |
|---|---|---|---|---|---|---|
| ALL METHODS | - | 17 | - | 17 | - | 17 |
| INOVA Diagnostics | - | 8 | - | 8 | - | 8 |
| Kallestad | - | 1 | - | 1 | - | 1 |

| Method | Specimen AE-9 Positive | Specimen AE-9 Negative | Specimen AE-10 Positive | Specimen AE-10 Negative |
|---|---|---|---|---|
| ALL METHODS | 1 | 16 | 16 | 1 |
| INOVA Diagnostics | 1 | 7 | 7 | 1 |
| Kallestad | - | 1 | 1 | - |

**Anti-SSA/SSB**

| Method | Specimen AE-6 Positive | Specimen AE-6 Negative | Specimen AE-7 Positive | Specimen AE-7 Negative | Specimen AE-8 Positive | Specimen AE-8 Negative |
|---|---|---|---|---|---|---|
| ALL METHODS | - | 1 | - | 1 | - | 1 |
| INOVA Diagnostics | - | 1 | - | 1 | - | 1 |

| Method | Specimen AE-9 Positive | Specimen AE-9 Negative | Specimen AE-10 Positive | Specimen AE-10 Negative |
|---|---|---|---|---|
| ALL METHODS | - | 1 | 1 | - |
| INOVA Diagnostics | - | 1 | 1 | - |

**Anti-Sm**

| *Method* | Specimen AE-6 | | Specimen AE-7 | | Specimen AE-8 | |
|---|---|---|---|---|---|---|
| | *Positive* | *Negative* | *Positive* | *Negative* | *Positive* | *Negative* |
| ALL METHODS | - | 17 | - | 17 | - | 17 |
| INOVA Diagnostics | - | 8 | - | 8 | - | 8 |
| Kallestad | - | 1 | - | 1 | - | 1 |

| *Method* | Specimen AE-9 | | Specimen AE-10 | |
|---|---|---|---|---|
| | *Positive* | *Negative* | *Positive* | *Negative* |
| ALL METHODS | - | 17 | - | 17 |
| INOVA Diagnostics | - | 8 | - | 8 |
| Kallestad | - | 1 | - | 1 |

**Rubella—Qualitative**

| | Specimen RU-6 | | Specimen RU-7 | | Specimen RU-8 | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** |
| ALL METHODS | 15 | 1 | - | 16 | 15 | 1 |
| Abbott Architect | 10 | 1 | - | 11 | 10 | 1 |
| Roche cobas 6000 / e 601 | 1 | - | - | 1 | 1 | - |
| Roche cobas e 411 | 1 | - | - | 1 | 1 | - |
| Siemens ADVIA Centaur | 2 | - | - | 2 | 2 | - |
| VITROS ECi | 1 | - | - | 1 | 1 | - |

| | Specimen RU-9 | | Specimen RU-10 | |
|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** |
| ALL METHODS | 15 | 1 | - | 16 |
| Abbott Architect | 10 | 1 | - | 11 |
| Roche cobas 6000 / e 601 | 1 | - | - | 1 |
| Roche cobas e 411 | 1 | - | - | 1 |
| Siemens ADVIA Centaur | 2 | - | - | 2 |
| VITROS ECi | 1 | - | - | 1 |

## Rubella—Quantitative (IU/mL)

| *Specimen/Method* | *Labs* | *Mean* | *SD* | *CV* | *Median* | *Range* |
|---|---|---|---|---|---|---|
| **Specimen RU-6** | | | | | | |
| All Method | 21 | 59.04 | 33.75 | 57.2 | 37.6 | 0.0 - 160.3 |
| Abbott Architect | 13 | 35.57 | 2.79 | 7.8 | 35.6 | 27.2 - 44.0 |
| **Specimen RU-7** | | | | | | |
| All Method | 23 | 0.11 | 0.16 | 139.4 | 0.0 | 0.0 - 0.6 |
| Abbott Architect | 12 | 0.00 | 0.01 | 0.0 | 0.0 | 0.0 - 0.1 |
| **Specimen RU-8** | | | | | | |
| All Method | 21 | 59.43 | 32.78 | 55.2 | 38.5 | 0.0 - 157.8 |
| Abbott Architect | 13 | 36.50 | 2.30 | 6.3 | 35.8 | 29.5 - 43.5 |
| **Specimen RU-9** | | | | | | |
| All Method | 21 | 45.00 | 27.64 | 61.4 | 27.2 | 0.0 - 128.0 |
| Abbott Architect | 13 | 26.18 | 1.17 | 4.5 | 26.1 | 22.6 - 29.7 |
| **Specimen RU-10** | | | | | | |
| All Method | 22 | 0.07 | 0.11 | 154.1 | 0.0 | 0.0 - 0.5 |
| Abbott Architect | 13 | 0.00 | 0.01 | 0.0 | 0.0 | 0.0 - 0.1 |

**Syphilis Serology—Qualitative: VDRL Slide**

| | Specimen SY-6 | | | Specimen SY-7 | | | Specimen SY-8 | | |
|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Reactive*** | ***Weakly Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Weakly Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Weakly Reactive*** | ***Non-Reactive*** |
| ALL METHODS | 44 | 1 | 2 | 45 | - | 2 | 47 | - | - |
| Abbott Architect | 2 | - | - | 2 | - | - | 2 | - | - |
| Acon Laboratories | 2 | - | - | 2 | - | - | 2 | - | - |
| Human | 1 | - | - | 1 | - | - | 1 | - | - |
| Omega Diagnostics | 3 | - | - | 3 | - | - | 3 | - | - |
| Plasmatec | 1 | - | - | 1 | - | - | 1 | - | - |
| SPINREACT | 5 | - | - | 5 | - | - | 5 | - | - |
| Standard Diagnostics | 1 | - | - | 1 | - | - | 1 | - | - |
| Wiener Lab | 25 | - | 1 | 25 | - | 1 | 26 | - | - |

| | Specimen SY-9 | | | Specimen SY-10 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Reactive*** | ***Weakly Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Weakly Reactive*** | ***Non-Reactive*** |
| ALL METHODS | - | - | 47 | - | - | 47 |
| Abbott Architect | - | - | 2 | - | - | 2 |
| Acon Laboratories | - | - | 2 | - | - | 2 |
| Human | - | - | 1 | - | - | 1 |
| Omega Diagnostics | - | - | 3 | - | - | 3 |
| Plasmatec | - | - | 1 | - | - | 1 |
| SPINREACT | - | - | 5 | - | - | 5 |
| Standard Diagnostics | - | - | 1 | - | - | 1 |
| Wiener Lab | - | - | 26 | - | - | 26 |

**Syphilis Serology—Semi-Quantitative: VDRL Slide Titer**

| ***Specimen/Method*** | ***N/A (Neg)*** | ***0 dils*** | ***1 dil*** | ***2 dils*** | ***4 dils*** | ***8 dils*** | ***16 dils*** | ***32 dils*** | ***>32 dils*** |
|---|---|---|---|---|---|---|---|---|---|
| **Specimen SY-6** | | | | | | | | | |
| ALL METHODS | 1 | 1 | 8 | 19 | 7 | 1 | 2 | - | - |
| Omega Diagnostics | - | - | 1 | 1 | - | - | - | - | - |
| Plasmatec | - | - | - | 1 | - | - | - | - | - |
| SPINREACT | - | - | - | 1 | - | - | - | - | - |
| Wiener Lab | 1 | 1 | 5 | 14 | 7 | - | 1 | - | - |
| **Specimen SY-7** | | | | | | | | | |
| ALL METHODS | 1 | 1 | 6 | 22 | 5 | 2 | 1 | - | 1 |
| Omega Diagnostics | - | - | 1 | 1 | - | - | - | - | - |
| Plasmatec | - | - | - | 1 | - | - | - | - | - |
| SPINREACT | - | - | 1 | - | - | - | - | - | - |
| Wiener Lab | 1 | 1 | 3 | 17 | 4 | 2 | - | - | 1 |
| **Specimen SY-8** | | | | | | | | | |
| ALL METHODS | - | - | 1 | 8 | 17 | 7 | 5 | 1 | - |
| Omega Diagnostics | - | - | - | 1 | - | 1 | - | - | - |
| Plasmatec | - | - | - | - | 1 | - | - | - | - |
| SPINREACT | - | - | - | 1 | - | - | - | - | - |
| Wiener Lab | - | - | 1 | 5 | 14 | 5 | 4 | - | - |

**Syphilis Serology—Semi-Quantitative: VDRL Slide Titer**

| ***Specimen/Method*** | ***N/A (Neg)*** | ***0 dils*** | ***1 dil*** | ***2 dils*** | ***4 dils*** | ***8 dils*** | ***16 dils*** | ***32 dils*** | ***>32 dils*** |
|---|---|---|---|---|---|---|---|---|---|
| **Specimen SY-9** | | | | | | | | | |
| ALL METHODS | 39 | - | - | - | - | - | - | - | - |
| Omega Diagnostics | 2 | - | - | - | - | - | - | - | - |
| Plasmatec | 1 | - | - | - | - | - | - | - | - |
| SPINREACT | 1 | - | - | - | - | - | - | - | - |
| Wiener Lab | 29 | - | - | - | - | - | - | - | - |
| **Specimen SY-10** | | | | | | | | | |
| ALL METHODS | 39 | - | - | - | - | - | - | - | - |
| Omega Diagnostics | 2 | - | - | - | - | - | - | - | - |
| Plasmatec | 1 | - | - | - | - | - | - | - | - |
| SPINREACT | 1 | - | - | - | - | - | - | - | - |
| Wiener Lab | 29 | - | - | - | - | - | - | - | - |

**Syphilis Serology—Qualitative: MHA-TP**

| | Specimen SY-6 | | Specimen SY-7 | | Specimen SY-8 | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Non-Reactive*** |
| ALL METHODS | 17 | - | 17 | - | 16 | 1 |
| Abbott Architect | 3 | - | 3 | - | 2 | 1 |
| Biokit | 1 | - | 1 | - | 1 | - |
| bioMerieux | 1 | - | 1 | - | 1 | - |
| DiaSorin | 1 | - | 1 | - | 1 | - |
| Human | 1 | - | 1 | - | 1 | - |
| Plasmatec | 5 | - | 5 | - | 5 | - |
| Serodia | 2 | - | 2 | - | 2 | - |
| SPINREACT | 1 | - | 1 | - | 1 | - |

| | Specimen SY-9 | | Specimen SY-10 | |
|---|---|---|---|---|
| | ***Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Non-Reactive*** |
| ALL METHODS | - | 17 | - | 17 |
| Abbott Architect | - | 3 | - | 3 |
| Biokit | - | 1 | - | 1 |
| bioMerieux | - | 1 | - | 1 |
| DiaSorin | - | 1 | - | 1 |
| Human | - | 1 | - | 1 |
| Plasmatec | - | 5 | - | 5 |
| Serodia | - | 2 | - | 2 |
| SPINREACT | - | 1 | - | 1 |

**Syphilis Serology—Qualitative: *Treponema pallidum* Antibodies**

| | Specimen SY-6 | | Specimen SY-7 | | Specimen SY-8 | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Non-Reactive*** |
| ALL METHODS | 47 | 1 | 47 | 1 | 48 | - |
| Abbott Architect | 10 | - | 10 | - | 10 | - |
| bioMerieux | 1 | - | 1 | - | 1 | - |
| Human | 3 | - | 3 | - | 3 | - |
| Plasmatec | 5 | - | 5 | - | 5 | - |
| Roche cobas 6000 / c 501 | 2 | - | 2 | - | 2 | - |
| Roche cobas e 411 | 1 | - | 1 | - | 1 | - |
| Serodia | 10 | - | 10 | - | 10 | - |
| SPINREACT | 1 | - | 1 | - | 1 | - |
| Standard Diagnostics | 4 | - | 4 | - | 4 | - |

| | Specimen SY-9 | | Specimen SY-10 | |
|---|---|---|---|---|
| | ***Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Non-Reactive*** |
| ALL METHODS | - | 48 | - | 48 |
| Abbott Architect | - | 10 | - | 10 |
| bioMerieux | - | 1 | - | 1 |
| Human | - | 3 | - | 3 |
| Plasmatec | - | 5 | - | 5 |
| Roche cobas 6000 / c 501 | - | 2 | - | 2 |
| Roche cobas e 411 | - | 1 | - | 1 |
| Serodia | - | 10 | - | 10 |
| SPINREACT | - | 1 | - | 1 |
| Standard Diagnostics | - | 4 | - | 4 |

**Syphilis Serology—Qualitative: RPR**

| | Specimen SY-6 | | Specimen SY-7 | | Specimen SY-8 | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Non-Reactive*** |
| ALL METHODS | 74 | 6 | 74 | 6 | 80 | - |
| Abbott Architect | 1 | - | 1 | - | 1 | - |
| ASI | 1 | - | 1 | - | 1 | - |
| Becton Dickinson | 1 | - | 1 | - | 1 | - |
| bioMerieux | 4 | 1 | 4 | 1 | 5 | - |
| BioSystems | 14 | - | 14 | - | 14 | - |
| Human | 6 | - | 6 | - | 6 | - |
| Omega Diagnostics | 10 | 2 | 10 | 2 | 12 | - |
| Plasmatec | 14 | 1 | 14 | 1 | 15 | - |
| Pulse Scientific | 1 | - | 1 | - | 1 | - |
| SPINREACT | 16 | 1 | 16 | 1 | 17 | - |
| Standard Diagnostics | 1 | - | 1 | - | 1 | - |

| | Specimen SY-9 | | Specimen SY-10 | |
|---|---|---|---|---|
| | ***Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Non-Reactive*** |
| ALL METHODS | - | 80 | - | 80 |
| Abbott Architect | - | 1 | - | 1 |
| ASI | - | 1 | - | 1 |
| Becton Dickinson | - | 1 | - | 1 |
| bioMerieux | - | 5 | - | 5 |
| BioSystems | - | 14 | - | 14 |
| Human | - | 6 | - | 6 |
| Omega Diagnostics | - | 12 | - | 12 |
| Plasmatec | - | 15 | - | 15 |
| Pulse Scientific | - | 1 | - | 1 |
| SPINREACT | - | 17 | - | 17 |
| Standard Diagnostics | - | 1 | - | 1 |

**Syphilis Serology—Semi-Quantitative: RPR (Titer)**

| ***Specimen/Method*** | ***N/A (Neg)*** | ***1*** | ***2*** | ***4*** | ***8*** | ***16*** | ***32*** | ***64*** | ***>64*** |
|---|---|---|---|---|---|---|---|---|---|
| **Specimen SY-6** | | | | | | | | | |
| ALL METHODS | 3 | 15 | 37 | 4 | 2 | - | 1 | - | - |
| Becton Dickinson | - | - | 1 | - | - | - | - | - | - |
| bioMerieux | - | 2 | 1 | 1 | - | - | - | - | - |
| BioSystems | - | 2 | 8 | 1 | - | - | - | - | - |
| Human | - | 1 | 4 | - | 1 | - | - | - | - |
| Omega Diagnostics | 2 | 2 | 5 | - | - | - | 1 | - | - |
| Plasmatec | - | 2 | 7 | 1 | - | - | - | - | - |
| Pulse Scientific | - | - | - | 1 | - | - | - | - | - |
| SPINREACT | 1 | 3 | 10 | - | 1 | - | - | - | - |
| **Specimen SY-7** | | | | | | | | | |
| ALL METHODS | 3 | 12 | 36 | 7 | 3 | - | 1 | - | - |
| Becton Dickinson | - | - | 1 | - | - | - | - | - | - |
| bioMerieux | - | 3 | 1 | - | - | - | - | - | - |
| BioSystems | - | 1 | 10 | - | - | - | - | - | - |
| Human | - | 1 | 4 | 1 | - | - | - | - | - |
| Omega Diagnostics | 2 | 1 | 5 | 1 | - | - | 1 | - | - |
| Plasmatec | - | 2 | 5 | 2 | 1 | - | - | - | - |
| Pulse Scientific | - | - | - | 1 | - | - | - | - | - |
| SPINREACT | 1 | 3 | 7 | 2 | 2 | - | - | - | - |

**Syphilis Serology—Semi-Quantitative: RPR (Titer) cont'd**

| *Specimen/Method* | *N/A (Neg)* | *1* | *2* | *4* | *8* | *16* | *32* | *64* | *>64* |
|---|---|---|---|---|---|---|---|---|---|
| **Specimen SY-8** | | | | | | | | | |
| ALL METHODS | 1 | 1 | 11 | 34 | 10 | 4 | - | 1 | - |
| Becton Dickinson | - | - | - | - | 1 | - | - | - | - |
| bioMerieux | - | - | 2 | 1 | - | 1 | - | - | - |
| BioSystems | - | - | 1 | 7 | 3 | - | - | - | - |
| Human | - | - | 1 | 2 | 2 | 1 | - | - | - |
| Omega Diagnostics | 1 | - | 1 | 6 | 2 | - | - | - | - |
| Plasmatec | - | - | 1 | 6 | 1 | 1 | - | 1 | - |
| Pulse Scientific | - | - | - | 1 | - | - | - | - | - |
| SPINREACT | - | 1 | 4 | 8 | 1 | 1 | - | - | - |
| **Specimen SY-9** | | | | | | | | | |
| ALL METHODS | 61 | 1 | - | - | - | - | - | - | - |
| Becton Dickinson | 1 | - | - | - | - | - | - | - | - |
| bioMerieux | 4 | - | - | - | - | - | - | - | - |
| BioSystems | 11 | - | - | - | - | - | - | - | - |
| Human | 6 | - | - | - | - | - | - | - | - |
| Omega Diagnostics | 10 | - | - | - | - | - | - | - | - |
| Plasmatec | 10 | - | - | - | - | - | - | - | - |
| Pulse Scientific | 1 | - | - | - | - | - | - | - | - |
| SPINREACT | 14 | 1 | - | - | - | - | - | - | - |
| | 61 | 1 | - | - | - | - | - | - | - |

**Syphilis Serology—Semi-Quantitative: RPR (Titer) cont'd**

| ***Specimen/Method*** | ***N/A (Neg)*** | ***1*** | ***2*** | ***4*** | ***8*** | ***16*** | ***32*** | ***64*** | ***>64*** |
|---|---|---|---|---|---|---|---|---|---|
| **Specimen SY-10** | | | | | | | | | |
| ALL METHODS | 61 | 1 | - | - | - | - | - | - | - |
| Becton Dickinson | 1 | - | - | - | - | - | - | - | - |
| bioMerieux | 4 | - | - | - | - | - | - | - | - |
| BioSystems | 11 | - | - | - | - | - | - | - | - |
| Human | 6 | - | - | - | - | - | - | - | - |
| Omega Diagnostics | 10 | - | - | - | - | - | - | - | - |
| Plasmatec | 10 | - | - | - | - | - | - | - | - |
| Pulse Scientific | 1 | - | - | - | - | - | - | - | - |
| SPINREACT | 14 | 1 | - | - | - | - | - | - | - |

**Viral Markers – Anti-HBc (IgM)**

| | Specimen VM-6 | | | Specimen VM-7 | | | Specimen VM-8 | | |
|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 2 | 48 | - | - | 50 | - | - | 50 | - |
| Abbott Architect | 1 | 24 | - | - | 25 | - | - | 25 | - |
| Beckman ACCESS / 2 / DxI | - | 1 | - | - | 1 | - | - | 1 | - |
| bioMerieux Vidas, Mini Vidas | - | 3 | - | - | 3 | - | - | 3 | - |
| Roche cobas 6000 / e 601 | - | 11 | - | - | 11 | - | - | 11 | - |
| Roche cobas e 411 | - | 2 | - | - | 2 | - | - | 2 | - |
| Roche Modular Analytics | - | 1 | - | - | 1 | - | - | 1 | - |
| Siemens ADVIA Centaur | 1 | 2 | - | - | 3 | - | - | 3 | - |
| VITROS 3600/4600/5600 | - | 3 | - | - | 3 | - | - | 3 | - |

| | Specimen VM-9 | | | Specimen VM-10 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | - | 50 | - | - | 50 | - |
| Abbott Architect | - | 25 | - | - | 25 | - |
| Beckman ACCESS / 2 / DxI | - | 1 | - | - | 1 | - |
| bioMerieux Vidas, Mini Vidas | - | 3 | - | - | 3 | - |
| Roche cobas 6000 / e 601 | - | 11 | - | - | 11 | - |
| Roche cobas e 411 | - | 2 | - | - | 2 | - |
| Roche Modular Analytics | - | 1 | - | - | 1 | - |
| Siemens ADVIA Centaur | - | 3 | - | - | 3 | - |
| VITROS 3600/4600/5600 | - | 3 | - | - | 3 | - |

**Viral Markers – Anti-HBc (Total / IgG)**

| | Specimen VM-6 | | | Specimen VM-7 | | | Specimen VM-8 | | |
|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 70 | 2 | - | 2 | 70 | - | 2 | 70 | - |
| Abbott Architect | 41 | - | - | - | 41 | - | - | 41 | - |
| Beckman ACCESS / 2 / DxI | 2 | - | - | - | 2 | - | - | 2 | - |
| bioMerieux Vidas, Mini Vidas | 2 | - | - | - | 2 | - | - | 2 | - |
| Roche cobas 6000 / e 601 | 11 | 2 | - | 2 | 11 | - | 2 | 11 | - |
| Roche cobas e 411 | 4 | - | - | - | 4 | - | - | 4 | - |
| Roche Modular Analytics | 1 | - | - | - | 1 | - | - | 1 | - |
| Siemens ADVIA Centaur | 3 | - | - | - | 3 | - | - | 3 | - |
| VITROS 3600/4600/5600 | 3 | - | - | - | 3 | - | - | 3 | - |
| VITROS ECi | 1 | - | - | - | 1 | - | - | 1 | - |

| | Specimen VM-9 | | | Specimen VM-10 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 2 | 70 | - | 1 | 71 | - |
| Abbott Architect | - | 41 | - | - | 41 | - |
| Beckman ACCESS / 2 / DxI | - | 2 | - | - | 2 | - |
| bioMerieux Vidas, Mini Vidas | - | 2 | - | - | 2 | - |
| Roche cobas 6000 / e 601 | 2 | 11 | - | 1 | 12 | - |
| Roche cobas e 411 | - | 4 | - | - | 4 | - |
| Roche Modular Analytics | - | 1 | - | - | 1 | - |
| Siemens ADVIA Centaur | - | 3 | - | - | 3 | - |
| VITROS 3600/4600/5600 | - | 3 | - | - | 3 | - |
| VITROS ECi | - | 1 | - | - | 1 | - |

**Viral Markers – Anti-HIV**

| | Specimen VM-6 | | | Specimen VM-7 | | | Specimen VM-8 | | |
|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 1 | 166 | - | 2 | 165 | - | 139 | 26 | 2 |
| Abbott Architect | - | 71 | - | 1 | 70 | - | 67 | 3 | 1 |
| Acon Laboratories | - | 1 | - | - | 1 | - | 1 | - | - |
| Alere Clearview HIV1/2 STAT-PAK | - | 1 | - | - | 1 | - | - | 1 | - |
| Alere Determine HIV - moderate | - | 4 | - | - | 4 | - | 1 | 3 | - |
| Alere Determine HIV - waived | - | 1 | - | - | 1 | - | 1 | - | - |
| Beckman ACCESS / 2 / DxI | - | 4 | - | - | 4 | - | 4 | - | - |
| bioMerieux Vidas, Mini Vidas | - | 3 | - | - | 3 | - | 2 | 1 | - |
| DiaSorin | - | 1 | - | - | 1 | - | 1 | - | - |
| Human | - | 1 | - | - | 1 | - | - | 1 | - |
| Roche cobas 6000 / e 601 | 1 | 31 | - | - | 32 | - | 30 | 2 | - |
| Roche cobas e 411 | - | 15 | - | 1 | 14 | - | 15 | - | - |
| Roche Elecsys 1010 / 2010 | - | 1 | - | - | 1 | - | 1 | - | - |
| Roche Modular Analytics | - | 3 | - | - | 3 | - | 3 | - | - |
| Siemens ADVIA Centaur | - | 6 | - | - | 6 | - | 6 | - | - |

**Viral Markers – Anti-HIV- cont'd**

| | Specimen VM-9 | | | Specimen VM-10 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 1 | 166 | - | 163 | 4 | - |
| Abbott Architect | - | 71 | - | 70 | 1 | - |
| Acon Laboratories | - | 1 | - | 1 | - | - |
| Alere Clearview HIV1/2 STAT-PAK | - | 1 | - | 1 | - | - |
| Alere Determine HIV - moderate | - | 4 | - | 4 | - | - |
| Alere Determine HIV - waived | - | 1 | - | 1 | - | - |
| Beckman ACCESS / 2 / DxI | - | 4 | - | 4 | - | - |
| bioMerieux Vidas, Mini Vidas | - | 3 | - | 3 | - | - |
| DiaSorin | - | 1 | - | 1 | - | - |
| Human | - | 1 | - | 1 | - | - |
| Roche cobas 6000 / e 601 | 1 | 31 | - | 29 | 3 | - |
| Roche cobas e 411 | - | 15 | - | 15 | - | - |
| Roche Elecsys 1010 / 2010 | - | 1 | - | 1 | - | - |
| Roche Modular Analytics | - | 3 | - | 3 | - | - |
| Siemens ADVIA Centaur | - | 6 | - | 6 | - | - |

**Viral Markers – Anti-HAV (IgM)**

| | Specimen VM-6 | | | Specimen VM-7 | | | Specimen VM-8 | | |
|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | - | 66 | - | - | 66 | - | 65 | 1 | - |
| Abbott Architect | - | 33 | - | - | 33 | - | 33 | - | - |
| Beckman ACCESS / 2 / DxI | - | 1 | - | - | 1 | - | 1 | - | - |
| bioMerieux Vidas, Mini Vidas | - | 5 | - | - | 5 | - | 5 | - | - |
| Roche cobas 6000 / e 601 | - | 15 | - | - | 15 | - | 14 | 1 | - |
| Roche cobas e 411 | - | 2 | - | - | 2 | - | 2 | - | - |
| Roche Modular Analytics | - | 1 | - | - | 1 | - | 1 | - | - |
| Siemens ADVIA Centaur | - | 4 | - | - | 4 | - | 4 | - | - |
| Standard Diagnostics | - | 2 | - | - | 2 | - | 2 | - | - |
| VITROS 3600/4600/5600 | - | 1 | - | - | 1 | - | 1 | - | - |
| VITROS ECi | - | 1 | - | - | 1 | - | 1 | - | - |

| | Specimen VM-9 | | | Specimen VM-10 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | - | 66 | - | - | 66 | - |
| Abbott Architect | - | 33 | - | - | 33 | - |
| Beckman ACCESS / 2 / DxI | - | 1 | - | - | 1 | - |
| bioMerieux Vidas, Mini Vidas | - | 5 | - | - | 5 | - |
| Roche cobas 6000 / e 601 | - | 15 | - | - | 15 | - |
| Roche cobas e 411 | - | 2 | - | - | 2 | - |
| Roche Modular Analytics | - | 1 | - | - | 1 | - |
| Siemens ADVIA Centaur | - | 4 | - | - | 4 | - |
| Standard Diagnostics | - | 2 | - | - | 2 | - |
| VITROS 3600/4600/5600 | - | 1 | - | - | 1 | - |
| VITROS ECi | - | 1 | - | - | 1 | - |

**Viral Markers – Anti-HAV (Total/IgG)**

| | Specimen VM-6 | | | Specimen VM-7 | | | Specimen VM-8 | | |
|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 2 | 55 | - | 52 | 4 | 1 | 55 | 1 | 1 |
| Abbott Architect | - | 27 | - | 26 | - | 1 | 26 | - | 1 |
| bioMerieux Vidas, Mini Vidas | - | 4 | - | 4 | - | - | 4 | - | - |
| Roche cobas 6000 / e 601 | 2 | 11 | - | 12 | 1 | - | 13 | - | - |
| Roche cobas e 411 | - | 3 | - | 3 | - | - | 3 | - | - |
| Roche Elecsys 1010 / 2010 | - | 1 | - | 1 | - | - | 1 | - | - |
| Roche Modular Analytics | - | 2 | - | 2 | - | - | 2 | - | - |
| Siemens ADVIA Centaur | - | 2 | - | 1 | 1 | - | 2 | - | - |
| Standard Diagnostics | - | 1 | - | - | 1 | - | 1 | - | - |
| VITROS ECi | - | 1 | - | 1 | - | - | 1 | - | - |

| | Specimen VM-9 | | | Specimen VM-10 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 55 | 2 | - | 55 | 2 | - |
| Abbott Architect | 27 | - | - | 27 | - | - |
| bioMerieux Vidas, Mini Vidas | 4 | - | - | 4 | - | - |
| Roche cobas 6000 / e 601 | 13 | - | - | 13 | - | - |
| Roche cobas e 411 | 3 | - | - | 3 | - | - |
| Roche Elecsys 1010 / 2010 | 1 | - | - | 1 | - | - |
| Roche Modular Analytics | 2 | - | - | 2 | - | - |
| Siemens ADVIA Centaur | 2 | - | - | 2 | - | - |
| Standard Diagnostics | - | 1 | - | - | 1 | - |
| VITROS ECi | 1 | - | - | 1 | - | - |

**Viral Markers – HBeAg**

| | Specimen VM-6 | | | Specimen VM-7 | | | Specimen VM-8 | | |
|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | - | 39 | - | - | 39 | - | - | 39 | - |
| Abbott Architect | - | 16 | - | - | 16 | - | - | 16 | - |
| bioMerieux Vidas, Mini Vidas | - | 3 | - | - | 3 | - | - | 3 | - |
| DiaSorin | - | 1 | - | - | 1 | - | - | 1 | - |
| Roche cobas 6000 / e 601 | - | 13 | - | - | 13 | - | - | 13 | - |
| Roche cobas e 411 | - | 2 | - | - | 2 | - | - | 2 | - |
| Roche Modular Analytics | - | 2 | - | - | 2 | - | - | 2 | - |
| Siemens ADVIA Centaur | - | 1 | - | - | 1 | - | - | 1 | - |

| | Specimen VM-9 | | | Specimen VM-10 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 1 | 38 | - | - | 39 | - |
| Abbott Architect | - | 16 | - | - | 16 | - |
| bioMerieux Vidas, Mini Vidas | - | 3 | - | - | 3 | - |
| DiaSorin | - | 1 | - | - | 1 | - |
| Roche cobas 6000 / e 601 | 1 | 12 | - | - | 13 | - |
| Roche cobas e 411 | - | 2 | - | - | 2 | - |
| Roche Modular Analytics | - | 2 | - | - | 2 | - |
| Siemens ADVIA Centaur | - | 1 | - | - | 1 | - |

**Viral Markers – Anti-HBs**

| | Specimen VM-6 | | | Specimen VM-7 | | | Specimen VM-8 | | |
|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 117 | 2 | - | 13 | 103 | 3 | 5 | 113 | 1 |
| Abbott Architect | 50 | - | - | 6 | 43 | 1 | 1 | 49 | - |
| Beckman ACCESS / 2 / DxI | 2 | - | - | - | 2 | - | - | 2 | - |
| bioMerieux Vidas, Mini Vidas | 1 | - | - | - | 1 | - | - | 1 | - |
| DiaSorin | - | 1 | - | - | 1 | - | - | 1 | - |
| Roche cobas 6000 / e 601 | 31 | - | - | 4 | 25 | 2 | 3 | 27 | 1 |
| Roche cobas e 411 | 11 | - | - | 1 | 10 | - | 1 | 10 | - |
| Roche Elecsys 1010 / 2010 | 2 | - | - | - | 2 | - | - | 2 | - |
| Roche Modular Analytics | 2 | - | - | 1 | 1 | - | - | 2 | - |
| Siemens ADVIA Centaur | 6 | - | - | - | 6 | - | - | 6 | - |
| Standard Diagnostics | 1 | - | - | - | 1 | - | - | 1 | - |
| VITROS 3600/4600/5600 | 6 | 1 | - | - | 7 | - | - | 7 | - |
| VITROS ECi | 3 | - | - | 1 | 2 | - | - | 3 | - |

| | Specimen VM-9 | | | Specimen VM-10 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 116 | 3 | - | 115 | 3 | - |
| Abbott Architect | 50 | - | - | 50 | - | - |
| Beckman ACCESS / 2 / DxI | 2 | - | - | 1 | - | - |
| bioMerieux Vidas, Mini Vidas | 1 | - | - | 1 | - | - |
| DiaSorin | - | 1 | - | - | 1 | - |
| Roche cobas 6000 / e 601 | 30 | 1 | - | 30 | 1 | - |
| Roche cobas e 411 | 11 | - | - | 11 | - | - |
| Roche Elecsys 1010 / 2010 | 2 | - | - | 2 | - | - |
| Roche Modular Analytics | 2 | - | - | 2 | - | - |
| Siemens ADVIA Centaur | 6 | - | - | 6 | - | - |
| Standard Diagnostics | 1 | - | - | 1 | - | - |
| VITROS 3600/4600/5600 | 6 | 1 | - | 6 | 1 | - |
| VITROS ECi | 3 | - | - | 2 | - | - |

**Viral Markers – HBsAg**

| | Specimen VM-6 | | | Specimen VM-7 | | | Specimen VM-8 | | |
|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 1 | 170 | - | 5 | 166 | - | 4 | 167 | - |
| Abbott Architect | - | 70 | - | - | 70 | - | - | 70 | - |
| Beckman ACCESS / 2 / DxI | - | 3 | - | - | 3 | - | - | 3 | - |
| bioMerieux Vidas, Mini Vidas | 1 | 2 | - | 1 | 2 | - | 1 | 2 | - |
| DiaSorin | - | 1 | - | - | 1 | - | - | 1 | - |
| Human | - | 1 | - | - | 1 | - | - | 1 | - |
| Roche cobas 6000 / e 601 | - | 34 | - | 1 | 33 | - | 1 | 33 | - |
| Roche cobas e 411 | - | 18 | - | 1 | 17 | - | 1 | 17 | - |
| Roche Elecsys 1010 / 2010 | - | 1 | - | - | 1 | - | - | 1 | - |
| Roche Modular Analytics | - | 3 | - | 1 | 2 | - | 1 | 2 | - |
| Siemens ADVIA Centaur | - | 7 | - | - | 7 | - | - | 7 | - |
| Siemens Immulite/1000 | - | 1 | - | - | 1 | - | - | 1 | - |
| Standard Diagnostics | - | 8 | - | - | 8 | - | - | 8 | - |
| VITROS 3600/4600/5600 | - | 7 | - | - | 7 | - | - | 7 | - |
| VITROS ECi | - | 4 | - | 1 | 3 | - | - | 4 | - |

| | Specimen VM-9 | | | Specimen VM-10 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 4 | 167 | - | 1 | 169 | - |
| Abbott Architect | - | 70 | - | - | 70 | - |
| Beckman ACCESS / 2 / DxI | - | 3 | - | - | 3 | - |
| bioMerieux Vidas, Mini Vidas | 1 | 2 | - | 1 | 2 | - |
| DiaSorin | - | 1 | - | - | 1 | - |
| Human | - | 1 | - | - | 1 | - |
| Roche cobas 6000 / e 601 | 1 | 33 | - | - | 34 | - |
| Roche cobas e 411 | 1 | 17 | - | - | 18 | - |
| Roche Elecsys 1010 / 2010 | - | 1 | - | - | 1 | - |
| Roche Modular Analytics | 1 | 2 | - | - | 3 | - |
| Siemens ADVIA Centaur | - | 7 | - | - | 7 | - |
| Siemens Immulite/1000 | - | 1 | - | - | 1 | - |
| Standard Diagnostics | - | 8 | - | - | 8 | - |
| VITROS 3600/4600/5600 | - | 7 | - | - | 7 | - |
| VITROS ECi | - | 4 | - | - | 3 | - |

**Viral Markers – Anti-HCV**

| | Specimen VM-6 | | | Specimen VM-7 | | | Specimen VM-8 | | |
|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | - | 150 | - | 150 | - | - | 28 | 118 | 4 |
| Abbott Architect | - | 69 | - | 69 | - | - | 1 | 68 | - |
| Beckman ACCESS / 2 / DxI | - | 1 | - | 1 | - | - | - | 1 | - |
| bioMerieux Vidas, Mini Vidas | - | 3 | - | 3 | - | - | - | 3 | - |
| Roche cobas 6000 / e 601 | - | 27 | - | 27 | - | - | 17 | 6 | 4 |
| Roche cobas e 411 | - | 13 | - | 13 | - | - | 6 | 7 | - |
| Roche Elecsys 1010 / 2010 | - | 1 | - | 1 | - | - | 1 | - | - |
| Roche Modular Analytics | - | 3 | - | 3 | - | - | 3 | - | - |
| Siemens ADVIA Centaur | - | 6 | - | 6 | - | - | - | 6 | - |
| Standard Diagnostics | - | 5 | - | 5 | - | - | - | 5 | - |
| VITROS 3600/4600/5600 | - | 6 | - | 6 | - | - | - | 6 | - |
| VITROS ECi | - | 4 | - | 4 | - | - | - | 4 | - |

| | Specimen VM-9 | | | Specimen VM-10 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 2 | 147 | 1 | 1 | 149 | - |
| Abbott Architect | - | 69 | - | - | 69 | - |
| Beckman ACCESS / 2 / DxI | - | 1 | - | - | 1 | - |
| bioMerieux Vidas, Mini Vidas | - | 3 | - | - | 3 | - |
| Roche cobas 6000 / e 601 | - | 26 | 1 | - | 27 | - |
| Roche cobas e 411 | 1 | 12 | - | - | 13 | - |
| Roche Elecsys 1010 / 2010 | - | 1 | - | - | 1 | - |
| Roche Modular Analytics | - | 3 | - | - | 3 | - |
| Siemens ADVIA Centaur | 1 | 5 | - | 1 | 5 | - |
| Standard Diagnostics | - | 5 | - | - | 5 | - |
| VITROS 3600/4600/5600 | - | 6 | - | - | 6 | - |
| VITROS ECi | - | 4 | - | - | 4 | - |

## Toxoplasma gondii Antibody (IgG) - Qualitative

| | Specimen TOX-3 | | | Specimen TOX-4 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 1 | 18 | - | 19 | - | - |
| Abbott Architect | 1 | 10 | - | 11 | - | - |
| bioMerieux Vidas, Mini Vidas | - | 1 | - | 1 | - | - |
| Roche cobas 6000 / e 601 | - | 1 | - | 1 | - | - |
| Roche cobas e 411 | - | 2 | - | 2 | - | - |
| Siemens ADVIA Centaur | - | 1 | - | 1 | - | - |

## Toxoplasma gondii Antibody (IgG) —Quantitative (IU/mL)

| ***Specimen/Method*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
|---|---|---|---|---|---|---|
| **Specimen TOX-3** | | | | | | |
| All Method | 21 | 0.302 | 0.207 | 68.4 | 0.30 | 0.00 - 0.72 |
| Abbott Architect | 13 | 0.438 | 0.126 | 28.8 | 0.40 | 0.18 - 0.70 |
| Roche cobas e 411 | 3 | 0.130 | 0.001 | 0.0 | 0.13 | 0.12 - 0.14 |
| **Specimen TOX-4** | | | | | | |
| All Method | 20 | 453.870 | 267.086 | 58.8 | 350.95 | 0.00 - 988.05 |
| Abbott Architect | 14 | 391.157 | 244.294 | 62.5 | 200.00 | 0.00 - 879.75 |
| Roche cobas e 411 | 3 | 801.000 | 230.128 | 28.7 | 906.00 | 340.74 - 1261.26 |

## Toxoplasma gondii Antibody (IgM) - Qualitative

| | Specimen TOX-3 | | | Specimen TOX-4 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | - | 22 | - | 21 | - | - |
| Abbott Architect | - | 13 | - | 12 | - | - |
| bioMerieux Vidas, Mini Vidas | - | 1 | - | 1 | - | - |
| Roche cobas 6000 / e 601 | - | 2 | - | 2 | - | - |
| Roche cobas e 411 | - | 3 | - | 3 | - | - |
| Siemens ADVIA Centaur | - | 1 | - | 1 | - | - |

## Toxoplasma gondii Antibody (IgM) —Quantitative (IU/mL)

| ***Specimen/Method*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
|---|---|---|---|---|---|---|
| **Specimen TOX-3** | | | | | | |
| ALL METHODS | 19 | 0.161 | 0.039 | 24.0 | 0.17 | 0.08 - 0.24 |
| Abbott Architect | 12 | 0.148 | 0.035 | 23.7 | 0.16 | 0.07 - 0.22 |
| **Specimen TOX-4** | | | | | | |
| ALL METHODS | 18 | 10.160 | 6.787 | 66.8 | 7.67 | 0.00 - 23.74 |
| Abbott Architect | 12 | 7.501 | 0.355 | 4.7 | 7.53 | 6.79 - 8.22 |

## Cytomegalovirus (CMV) Antibodies (IgG) - Qualitative

| | Specimen CMV-3 | | | Specimen CMV-4 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 2 | 11 | - | - | 13 | - |
| Abbott Architect | 2 | 9 | - | - | 11 | - |
| Roche cobas 6000 / e 601 | - | 2 | - | - | 2 | - |

## Cytomegalovirus (CMV) Antibodies (IgG) —Quantitative (U/mL)

| ***Specimen/Method*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
|---|---|---|---|---|---|---|
| **Specimen CMV-3** | | | | | | |
| All Method | 16 | 3.521 | 1.892 | 53.7 | 4.30 | 0.00 - 7.31 |
| Abbott Architect | 12 | 4.542 | 0.582 | 12.8 | 4.70 | 3.37 - 5.71 |
| **Specimen CMV-4** | | | | | | |
| All Method | 16 | 1.247 | 1.102 | 88.4 | 0.85 | 0.00 - 3.46 |
| Abbott Architect | 12 | 1.600 | 1.054 | 65.9 | 1.35 | 0.00 - 3.71 |

## Cytomegalovirus (CMV) Antibodies (IgM) - Qualitative

| | Specimen CMV-3 | | | Specimen CMV-4 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 18 | - | - | - | 18 | - |
| Abbott Architect | 13 | - | - | - | 13 | - |
| DiaSorin | 1 | - | - | - | 1 | - |
| Roche cobas 6000 / e 601 | 3 | - | - | - | 3 | - |
| Roche cobas e 411 | 1 | - | - | - | 1 | - |

## Cytomegalovirus (CMV) Antibodies (IgM) —Quantitative (U/mL)

| ***Specimen/Method*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
|---|---|---|---|---|---|---|
| **Specimen CMV-3** | | | | | | |
| All Method | 13 | 3.065 | 2.576 | 84.0 | 2.09 | 0.00 - 8.22 |
| Abbott Architect | 11 | 2.016 | 0.300 | 14.9 | 2.07 | 1.41 - 2.62 |
| **Specimen CMV-4** | | | | | | |
| All Method | 13 | 0.238 | 0.095 | 40.0 | 0.19 | 0.04 - 0.43 |
| Abbott Architect | 11 | 0.247 | 0.102 | 41.1 | 0.23 | 0.04 - 0.46 |

## Glycohemoglobin (percent)

| | Specimen GH-3 | | | | | | Specimen GH-4 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 194 | 7.74 | 0.34 | 4.4 | 7.8 | 7.2 - 8.3 | 204 | 5.71 | 0.26 | 4.5 | 5.7 | 5.3 - 6.1 |
| All Hemoglobin A1c Methods | 194 | 7.74 | 0.34 | 4.4 | 7.8 | 7.2 - 8.3 | 204 | 5.71 | 0.26 | 4.5 | 5.7 | 5.3 - 6.1 |
| All TOSOH Methods | 19 | 7.78 | 0.19 | 2.4 | 7.8 | 7.3 - 8.3 | 19 | 5.61 | 0.10 | 1.7 | 5.6 | 5.2 - 6.0 |
| Beckman AU A1c | 13 | 7.86 | 0.42 | 5.3 | 7.8 | 7.3 - 8.4 | 13 | 5.63 | 0.28 | 5.0 | 5.6 | 5.2 - 6.0 |
| Bio-Rad D-100 | 11 | 10.98 | 1.31 | 11.9 | 10.7 | 10.3 - 11.7 | 17 | 6.32 | 0.19 | 3.1 | 6.4 | 5.9 - 6.7 |
| Roche cobas c 501 HbA1c | 11 | 7.29 | 0.27 | 3.7 | 7.3 | 6.8 - 7.8 | 11 | 5.34 | 0.17 | 3.3 | 5.4 | 5.0 - 5.7 |
| Siemens DCA Vantage | 82 | 7.72 | 0.24 | 3.1 | 7.8 | 7.2 - 8.2 | 82 | 5.80 | 0.17 | 2.9 | 5.8 | 5.4 - 6.2 |
| Siemens Dimension HB1C | 28 | 7.73 | 0.27 | 3.5 | 7.8 | 7.2 - 8.2 | 29 | 5.58 | 0.13 | 2.4 | 5.6 | 5.2 - 6.0 |
| TOSOH G8 | 19 | 7.78 | 0.19 | 2.4 | 7.8 | 7.3 - 8.3 | 19 | 5.61 | 0.10 | 1.7 | 5.6 | 5.2 - 6.0 |

**CK-MB - Quantitative (U/L)**

| *Specimen/Method* | *Labs* | *Mean* | *SD* | *CV* | *Median* | *Range* |
|---|---|---|---|---|---|---|
| **Specimen CK-6** | | | | | | |
| All Method | 1 | - | - | - | 83.1 | Not graded |
| **Specimen CK-7** | | | | | | |
| All Method | 1 | - | - | - | 15.8 | Not graded |
| **Specimen CK-8** | | | | | | |
| All Method | 1 | - | - | - | 25.8 | Not graded |
| **Specimen CK-9** | | | | | | |
| All Method | 1 | - | - | - | 45.2 | Not graded |
| **Specimen CK-10** | | | | | | |
| All Method | 1 | - | - | - | 7.6 | Not graded |

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