# 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-M1

ACP Medical Laboratory Evaluation

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

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## EVALUATION CRITERIA

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

### Qualitative

For qualitative procedures, evaluation is based on participant or referee consensus. 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% |
| 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 BLOOD CELL COUNT (x K/uL)

| | Specimen CL-1 | | | | | | Specimen CL-2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 57 | 19.72 | 1.80 | 9.1 | 19.9 | 16.7 - 22.7 | v | 2.79 | 0.57 | 20.5 | 3.0 | 2.3 - 3.3 |
| All Abbott Cell-Dyn Instruments | 31 | 20.95 | 1.16 | 5.5 | 20.8 | 17.8 - 24.1 | 38 | 3.25 | 0.22 | 6.6 | 3.2 | 2.7 - 3.8 |
| Abbott Cell-Dyn Ruby | 27 | 21.12 | 0.95 | 4.5 | 20.9 | 17.9 - 24.3 | 32 | 3.28 | 0.22 | 6.7 | 3.2 | 2.7 - 3.8 |
| Orphee Mythic 22 | 24 | 18.07 | 0.84 | 4.7 | 18.2 | 15.3 - 20.8 | 28 | 2.16 | 0.16 | 7.4 | 2.1 | 1.8 - 2.5 |
| | **Specimen CL-3** | | | | | | **Specimen CL-4** | | | | | |
| All Method | 58 | 7.13 | 0.72 | 10.2 | 7.5 | 6.0 - 8.2 | 58 | 2.93 | 0.45 | 15.3 | 3.1 | 2.4 - 3.4 |
| All Abbott Cell-Dyn Instruments | 32 | 7.71 | 0.28 | 3.7 | 7.7 | 6.5 - 8.9 | 30 | 3.30 | 0.11 | 3.3 | 3.3 | 2.8 - 3.8 |
| Abbott Cell-Dyn Ruby | 28 | 7.77 | 0.22 | 2.9 | 7.7 | 6.6 - 9.0 | 27 | 3.30 | 0.10 | 3.0 | 3.3 | 2.8 - 3.8 |
| Orphee Mythic 22 | 24 | 6.37 | 0.28 | 4.4 | 6.4 | 5.4 - 7.4 | 24 | 2.47 | 0.17 | 6.8 | 2.4 | 2.0 - 2.9 |
| | **Specimen CL-5** | | | | | | | | | | | |
| All Method | 57 | 19.61 | 1.80 | 9.2 | 20.1 | 16.6 - 22.6 | | | | | | |
| All Abbott Cell-Dyn Instruments | 31 | 20.89 | 1.06 | 5.1 | 20.8 | 17.7 - 24.1 | | | | | | |
| Abbott Cell-Dyn Ruby | 27 | 21.06 | 0.88 | 4.2 | 20.8 | 17.9 - 24.3 | | | | | | |
| Orphee Mythic 22 | 24 | 17.89 | 0.78 | 4.4 | 18.0 | 15.2 - 20.6 | | | | | | |

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

| | Specimen CL-1 | | | | | | Specimen CL-2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 57 | 5.280 | 0.131 | 2.5 | 5.28 | 4.96 - 5.60 | 58 | 2.171 | 0.051 | 2.3 | 2.18 | 2.04 - 2.31 |
| All Abbott Cell-Dyn Instruments | 29 | 5.344 | 0.110 | 2.1 | 5.34 | 5.02 - 5.67 | 31 | 2.190 | 0.051 | 2.3 | 2.18 | 2.05 - 2.33 |
| Abbott Cell-Dyn Ruby | 26 | 5.353 | 0.111 | 2.1 | 5.36 | 5.03 - 5.68 | 28 | 2.186 | 0.045 | 2.0 | 2.18 | 2.05 - 2.32 |
| Orphee Mythic 22 | 26 | 5.220 | 0.112 | 2.1 | 5.23 | 4.90 - 5.54 | 26 | 2.158 | 0.053 | 2.4 | 2.15 | 2.02 - 2.29 |
| | **Specimen CL-3** | | | | | | **Specimen CL-4** | | | | | |
| All Method | 60 | 4.489 | 0.113 | 2.5 | 4.50 | 4.21 - 4.76 | 59 | 2.164 | 0.054 | 2.5 | 2.17 | 2.03 - 2.30 |
| All Abbott Cell-Dyn Instruments | 32 | 4.517 | 0.100 | 2.2 | 4.53 | 4.24 - 4.79 | 32 | 2.178 | 0.043 | 2.0 | 2.17 | 2.04 - 2.31 |
| Abbott Cell-Dyn Ruby | 28 | 4.534 | 0.079 | 1.7 | 4.54 | 4.26 - 4.81 | 28 | 2.175 | 0.042 | 1.9 | 2.17 | 2.04 - 2.31 |
| Orphee Mythic 22 | 26 | 4.461 | 0.121 | 2.7 | 4.43 | 4.19 - 4.73 | 25 | 2.149 | 0.061 | 2.8 | 2.14 | 2.01 - 2.28 |
| | **Specimen CL-5** | | | | | | | | | | | |
| All Method | 60 | 5.251 | 0.148 | 2.8 | 5.27 | 4.93 - 5.57 | | | | | | |
| All Abbott Cell-Dyn Instruments | 32 | 5.302 | 0.129 | 2.4 | 5.33 | 4.98 - 5.62 | | | | | | |
| Abbott Cell-Dyn Ruby | 28 | 5.329 | 0.111 | 2.1 | 5.34 | 5.00 - 5.65 | | | | | | |
| Orphee Mythic 22 | 26 | 5.200 | 0.149 | 2.9 | 5.16 | 4.88 - 5.52 | | | | | | |

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

| | Specimen CL-1 | | | | | | Specimen CL-2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 60 | 16.09 | 1.00 | 6.2 | 16.3 | 14.9 - 17.3 | 60 | 5.11 | 0.54 | 10.6 | 5.4 | 4.7 - 5.5 |
| All Abbott Cell-Dyn Instruments | 31 | 16.87 | 0.39 | 2.3 | 16.8 | 15.6 - 18.1 | 32 | 5.59 | 0.16 | 2.8 | 5.6 | 5.1 - 6.0 |
| Abbott Cell-Dyn Ruby | 27 | 16.90 | 0.37 | 2.2 | 16.8 | 15.7 - 18.1 | 28 | 5.55 | 0.11 | 2.0 | 5.6 | 5.1 - 6.0 |
| Orphee Mythic 22 | 26 | 15.13 | 0.36 | 2.3 | 15.1 | 14.0 - 16.2 | 26 | 4.55 | 0.11 | 2.3 | 4.5 | 4.2 - 4.9 |
| | **Specimen CL-3** | | | | | | **Specimen CL-4** | | | | | |
| All Method | 59 | 12.58 | 1.02 | 8.1 | 13.1 | 11.7 - 13.5 | 60 | 5.14 | 0.55 | 10.8 | 5.5 | 4.7 - 5.6 |
| All Abbott Cell-Dyn Instruments | 32 | 13.46 | 0.27 | 2.0 | 13.4 | 12.5 - 14.5 | 29 | 5.54 | 0.08 | 1.5 | 5.5 | 5.1 - 6.0 |
| Abbott Cell-Dyn Ruby | 28 | 13.50 | 0.25 | 1.9 | 13.5 | 12.5 - 14.5 | 28 | 5.55 | 0.08 | 1.5 | 5.5 | 5.1 - 6.0 |
| Orphee Mythic 22 | 25 | 11.52 | 0.24 | 2.1 | 11.5 | 10.7 - 12.4 | 25 | 4.55 | 0.11 | 2.5 | 4.5 | 4.2 - 4.9 |
| | **Specimen CL-5** | | | | | | | | | | | |
| All Method | 60 | 16.01 | 0.92 | 5.8 | 16.1 | 14.8 - 17.2 | | | | | | |
| All Abbott Cell-Dyn Instruments | 32 | 16.78 | 0.39 | 2.3 | 16.8 | 15.6 - 18.0 | | | | | | |
| Abbott Cell-Dyn Ruby | 28 | 16.81 | 0.35 | 2.1 | 16.8 | 15.6 - 18.0 | | | | | | |
| Orphee Mythic 22 | 26 | 15.12 | 0.37 | 2.4 | 15.1 | 14.0 - 16.2 | | | | | | |

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

| | Specimen CL-1 | | | | | | Specimen CL-2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 60 | 46.66 | 2.19 | 4.7 | 46.7 | 43.8 - 49.5 | 57 | 15.74 | 0.81 | 5.1 | 15.7 | 14.7 - 16.7 |
| All Abbott Cell-Dyn Instruments | 32 | 45.64 | 2.11 | 4.6 | 45.8 | 42.8 - 48.4 | 30 | 15.14 | 0.44 | 2.9 | 15.1 | 14.2 - 16.1 |
| Abbott Cell-Dyn Ruby | 28 | 45.38 | 1.70 | 3.7 | 45.7 | 42.6 - 48.2 | 28 | 15.16 | 0.40 | 2.6 | 15.1 | 14.2 - 16.1 |
| Orphee Mythic 22 | 26 | 47.95 | 1.63 | 3.4 | 47.7 | 45.0 - 50.9 | 24 | 16.44 | 0.49 | 3.0 | 16.4 | 15.4 - 17.5 |
| | **Specimen CL-3** | | | | | | **Specimen CL-4** | | | | | |
| All Method | 59 | 38.35 | 1.76 | 4.6 | 38.2 | 36.0 - 40.7 | 58 | 15.73 | 0.89 | 5.6 | 15.6 | 14.7 - 16.7 |
| All Abbott Cell-Dyn Instruments | 30 | 37.16 | 1.23 | 3.3 | 37.2 | 34.9 - 39.4 | 30 | 15.11 | 0.56 | 3.7 | 15.0 | 14.2 - 16.1 |
| Abbott Cell-Dyn Ruby | 27 | 37.03 | 0.97 | 2.6 | 37.2 | 34.8 - 39.3 | 28 | 15.01 | 0.38 | 2.5 | 15.0 | 14.1 - 16.0 |
| Orphee Mythic 22 | 26 | 39.61 | 1.23 | 3.1 | 39.6 | 37.2 - 42.0 | 24 | 16.35 | 0.47 | 2.8 | 16.3 | 15.3 - 17.4 |
| | **Specimen CL-5** | | | | | | | | | | | |
| All Method | 59 | 46.36 | 2.18 | 4.7 | 46.1 | 43.5 - 49.2 | | | | | | |
| All Abbott Cell-Dyn Instruments | 31 | 45.37 | 2.14 | 4.7 | 45.0 | 42.6 - 48.1 | | | | | | |
| Abbott Cell-Dyn Ruby | 27 | 44.82 | 1.33 | 3.0 | 44.9 | 42.1 - 47.6 | | | | | | |
| Orphee Mythic 22 | 26 | 47.58 | 1.67 | 3.5 | 47.4 | 44.7 - 50.5 | | | | | | |

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

| | Specimen CL-1 | | | | | | Specimen CL-2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 60 | 497.0 | 35.0 | 7.0 | 499 | 372 - 622 | 59 | 92.9 | 16.0 | 17.2 | 89 | 69 - 117 |
| All Abbott Cell-Dyn Instruments | 31 | 488.9 | 27.5 | 5.6 | 484 | 366 - 612 | 30 | 80.6 | 6.4 | 7.9 | 80 | 60 - 101 |
| Abbott Cell-Dyn Ruby | 28 | 489.0 | 28.1 | 5.8 | 483 | 366 - 612 | 27 | 79.7 | 5.8 | 7.3 | 79 | 59 - 100 |
| Orphee Mythic 22 | 26 | 503.5 | 35.9 | 7.1 | 504 | 377 - 630 | 26 | 105.4 | 10.0 | 9.5 | 104 | 79 - 132 |
| | **Specimen CL-3** | | | | | | **Specimen CL-4** | | | | | |
| All Method | 60 | 282.2 | 21.2 | 7.5 | 278 | 211 - 353 | 59 | 91.5 | 14.2 | 15.5 | 88 | 68 - 115 |
| All Abbott Cell-Dyn Instruments | 32 | 274.3 | 11.4 | 4.2 | 272 | 205 - 343 | 31 | 81.2 | 6.4 | 7.9 | 81 | 60 - 102 |
| Abbott Cell-Dyn Ruby | 28 | 273.5 | 11.5 | 4.2 | 272 | 205 - 342 | 28 | 80.0 | 5.4 | 6.7 | 81 | 60 - 101 |
| Orphee Mythic 22 | 26 | 292.7 | 24.8 | 8.5 | 294 | 219 - 366 | 25 | 103.1 | 10.5 | 10.2 | 103 | 77 - 129 |
| | **Specimen CL-5** | | | | | | | | | | | |
| All Method | 60 | 489.7 | 32.9 | 6.7 | 489 | 367 - 613 | | | | | | |
| All Abbott Cell-Dyn Instruments | 32 | 483.8 | 25.9 | 5.3 | 486 | 362 - 605 | | | | | | |
| Abbott Cell-Dyn Ruby | 28 | 487.5 | 22.7 | 4.6 | 487 | 365 - 610 | | | | | | |
| Orphee Mythic 22 | 26 | 497.7 | 38.8 | 7.8 | 498 | 373 - 623 | | | | | | |

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

| | Specimen CL-1 | | | | | | Specimen CL-2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 58 | 75.78 | 2.61 | 3.4 | 76.1 | 67.9 - 83.7 | 57 | 46.76 | 2.02 | 4.3 | 46.6 | 40.7 - 52.9 |
| All Abbott Cell-Dyn Instruments | 30 | 77.23 | 0.97 | 1.3 | 77.5 | 74.3 - 80.2 | 30 | 47.55 | 2.13 | 4.5 | 47.2 | 41.1 - 54.0 |
| Abbott Cell-Dyn Ruby | 27 | 77.41 | 0.71 | 0.9 | 77.5 | 75.2 - 79.6 | 27 | 47.79 | 2.09 | 4.4 | 47.4 | 41.5 - 54.1 |
| Orphee Mythic 22 | 24 | 75.08 | 0.82 | 1.1 | 75.3 | 72.6 - 77.6 | 26 | 45.77 | 1.40 | 3.1 | 46.0 | 41.5 - 50.0 |
| | **Specimen CL-3** | | | | | | **Specimen CL-4** | | | | | |
| All Method | 58 | 62.54 | 2.34 | 3.7 | 63.3 | 55.5 - 69.6 | 58 | 46.07 | 1.28 | 2.8 | 46.0 | 42.2 - 49.9 |
| All Abbott Cell-Dyn Instruments | 32 | 64.05 | 0.87 | 1.4 | 64.1 | 61.4 - 66.7 | 31 | 46.62 | 0.97 | 2.1 | 46.8 | 43.7 - 49.6 |
| Abbott Cell-Dyn Ruby | 28 | 64.04 | 0.71 | 1.1 | 64.1 | 61.9 - 66.2 | 28 | 46.67 | 0.93 | 2.0 | 46.8 | 43.8 - 49.5 |
| Orphee Mythic 22 | 24 | 60.87 | 2.10 | 3.4 | 61.1 | 54.5 - 67.2 | 26 | 45.38 | 1.30 | 2.9 | 45.2 | 41.4 - 49.3 |
| | **Specimen CL-5** | | | | | | | | | | | |
| All Method | 56 | 76.22 | 1.68 | 2.2 | 76.0 | 71.1 - 81.3 | | | | | | |
| All Abbott Cell-Dyn Instruments | 30 | 77.34 | 1.24 | 1.6 | 77.5 | 73.6 - 81.1 | | | | | | |
| Abbott Cell-Dyn Ruby | 26 | 77.38 | 1.04 | 1.3 | 77.5 | 74.2 - 80.6 | | | | | | |
| Orphee Mythic 22 | 24 | 75.08 | 0.88 | 1.2 | 75.2 | 72.4 - 77.8 | | | | | | |

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

| | Specimen CL-1 | | | | | | Specimen CL-2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 57 | 15.16 | 2.25 | 14.9 | 15.7 | 8.4 - 22.0 | 60 | 35.93 | 7.93 | 22.1 | 38.5 | 12.1 - 59.8 |
| All Abbott Cell-Dyn Instruments | 30 | 16.57 | 1.19 | 7.2 | 16.5 | 13.0 - 20.2 | 31 | 42.17 | 2.46 | 5.8 | 42.1 | 34.7 - 49.6 |
| Abbott Cell-Dyn Ruby | 27 | 16.64 | 0.97 | 5.8 | 16.4 | 13.7 - 19.6 | 28 | 41.96 | 2.46 | 5.9 | 41.9 | 34.5 - 49.4 |
| Orphee Mythic 22 | 25 | 13.67 | 2.18 | 16.0 | 13.7 | 7.1 - 20.3 | 26 | 29.88 | 5.86 | 19.6 | 29.0 | 12.3 - 47.5 |
| | **Specimen CL-3** | | | | | | **Specimen CL-4** | | | | | |
| All Method | 59 | 23.65 | 5.92 | 25.0 | 27.1 | 5.9 - 41.4 | 60 | 36.46 | 7.99 | 21.9 | 39.3 | 12.4 - 60.5 |
| All Abbott Cell-Dyn Instruments | 31 | 28.21 | 1.05 | 3.7 | 28.2 | 25.0 - 31.4 | 31 | 42.85 | 2.00 | 4.7 | 43.1 | 36.8 - 48.9 |
| Abbott Cell-Dyn Ruby | 28 | 28.23 | 1.07 | 3.8 | 28.3 | 25.0 - 31.5 | 28 | 42.75 | 2.04 | 4.8 | 43.1 | 36.6 - 48.9 |
| Orphee Mythic 22 | 25 | 19.14 | 4.56 | 23.8 | 18.8 | 5.4 - 32.9 | 25 | 29.46 | 4.58 | 15.6 | 29.7 | 15.7 - 43.3 |
| | **Specimen CL-5** | | | | | | | | | | | |
| All Method | 57 | 15.25 | 2.35 | 15.4 | 15.6 | 8.2 - 22.3 | | | | | | |
| All Abbott Cell-Dyn Instruments | 31 | 16.65 | 1.58 | 9.5 | 16.8 | 11.9 - 21.4 | | | | | | |
| Abbott Cell-Dyn Ruby | 27 | 16.72 | 1.44 | 8.6 | 16.6 | 12.3 - 21.1 | | | | | | |
| Orphee Mythic 22 | 25 | 13.56 | 2.05 | 15.1 | 13.5 | 7.4 - 19.8 | | | | | | |

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

| | Specimen CL-1 | | | | | | Specimen CL-2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 56 | 5.84 | 3.37 | 57.8 | 3.7 | 0.0 - 16.0 | 57 | 13.09 | 8.23 | 62.9 | 8.0 | 0.0 - 37.8 |
| All Abbott Cell-Dyn Instruments | 29 | 2.83 | 0.43 | 15.3 | 2.7 | 1.5 - 4.2 | 29 | 5.77 | 0.87 | 15.1 | 5.7 | 3.1 - 8.4 |
| Abbott Cell-Dyn Ruby | 27 | 2.81 | 0.44 | 15.6 | 2.7 | 1.4 - 4.2 | 26 | 5.86 | 0.85 | 14.5 | 5.7 | 3.3 - 8.5 |
| Orphee Mythic 22 | 24 | 9.20 | 1.24 | 13.5 | 9.0 | 5.4 - 13.0 | 25 | 20.92 | 4.43 | 21.2 | 19.9 | 7.6 - 34.3 |
| | **Specimen CL-3** | | | | | | **Specimen CL-4** | | | | | |
| All Method | 56 | 9.68 | 6.51 | 67.3 | 4.4 | 0.0 - 29.3 | 58 | 12.98 | 8.11 | 62.5 | 8.6 | 0.0 - 37.4 |
| All Abbott Cell-Dyn Instruments | 29 | 3.70 | 0.45 | 12.2 | 3.8 | 2.3 - 5.1 | 31 | 6.00 | 1.39 | 23.1 | 5.7 | 1.8 - 10.2 |
| Abbott Cell-Dyn Ruby | 26 | 3.70 | 0.47 | 12.6 | 3.8 | 2.3 - 5.1 | 28 | 6.09 | 1.43 | 23.5 | 6.0 | 1.7 - 10.4 |
| Orphee Mythic 22 | 25 | 16.08 | 2.64 | 16.4 | 16.3 | 8.1 - 24.0 | 25 | 20.98 | 4.28 | 20.4 | 20.3 | 8.1 - 33.9 |
| | **Specimen CL-5** | | | | | | | | | | | |
| All Method | 55 | 6.16 | 3.66 | 59.4 | 4.8 | 0.0 - 17.2 | | | | | | |
| All Abbott Cell-Dyn Instruments | 27 | 2.77 | 0.44 | 15.8 | 2.8 | 1.4 - 4.1 | | | | | | |
| Abbott Cell-Dyn Ruby | 25 | 2.79 | 0.45 | 16.0 | 2.8 | 1.4 - 4.2 | | | | | | |
| Orphee Mythic 22 | 25 | 9.56 | 1.83 | 19.2 | 9.4 | 4.0 - 15.1 | | | | | | |

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

| Instrument | Labs | Mean | SD | CV | Median | Range |
|---|---|---|---|---|---|---|
| **Specimen CL-1** | | | | | | |
| All Method | 60 | 2.23 | 0.78 | 35.3 | 2.5 | 0.0 - 4.6 |
| All Abbott Cell-Dyn Instruments | 29 | 2.73 | 0.20 | 7.5 | 2.7 | 2.1 - 3.4 |
| Abbott Cell-Dyn Ruby | 27 | 2.74 | 0.21 | 7.6 | 2.7 | 2.1 - 3.4 |
| Orphee Mythic 22 | 26 | 1.69 | 0.77 | 45.4 | 1.6 | 0.0 - 4.0 |
| **Specimen CL-2** | | | | | | |
| All Method | 59 | 3.59 | 0.87 | 24.2 | 3.7 | 0.9 - 6.2 |
| All Abbott Cell-Dyn Instruments | 29 | 3.97 | 0.48 | 12.2 | 4.0 | 2.5 - 5.5 |
| Abbott Cell-Dyn Ruby | 26 | 3.98 | 0.45 | 11.4 | 4.0 | 2.6 - 5.4 |
| Orphee Mythic 22 | 25 | 3.28 | 0.78 | 23.8 | 3.4 | 0.9 - 5.7 |
| **Specimen CL-3** | | | | | | |
| All Method | 56 | 3.47 | 0.73 | 21.0 | 3.5 | 1.2 - 5.7 |
| All Abbott Cell-Dyn Instruments | 31 | 3.62 | 0.29 | 8.0 | 3.6 | 2.7 - 4.5 |
| Abbott Cell-Dyn Ruby | 27 | 3.63 | 0.29 | 7.9 | 3.6 | 2.7 - 4.5 |
| Orphee Mythic 22 | 26 | 3.70 | 2.02 | 54.5 | 3.3 | 0.0 - 9.8 |
| **Specimen CL-4** | | | | | | |
| All Method | 59 | 3.67 | 0.77 | 20.8 | 3.7 | 1.3 - 6.0 |
| All Abbott Cell-Dyn Instruments | 30 | 3.94 | 0.40 | 10.2 | 4.1 | 2.7 - 5.2 |
| Abbott Cell-Dyn Ruby | 27 | 3.97 | 0.40 | 10.0 | 4.1 | 2.7 - 5.2 |
| Orphee Mythic 22 | 26 | 3.42 | 0.94 | 27.6 | 3.4 | 0.5 - 6.3 |
| **Specimen CL-5** | | | | | | |
| All Method | 59 | 2.20 | 0.78 | 35.3 | 2.4 | 0.0 - 4.6 |
| All Abbott Cell-Dyn Instruments | 29 | 2.69 | 0.19 | 7.1 | 2.7 | 2.1 - 3.3 |
| Abbott Cell-Dyn Ruby | 26 | 2.68 | 0.20 | 7.3 | 2.7 | 2.0 - 3.3 |
| Orphee Mythic 22 | 25 | 1.54 | 0.59 | 38.4 | 1.6 | 0.0 - 3.4 |

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

| | Specimen CL-1 | | | | | | Specimen CL-2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 59 | 0.35 | 0.22 | 63.1 | 0.3 | 0.0 - 1.1 | 58 | 0.56 | 0.67 | 118.3 | 0.4 | 0.0 - 2.6 |
| All Abbott Cell-Dyn Instruments | 32 | 0.29 | 0.20 | 67.5 | 0.3 | 0.0 - 0.9 | 30 | 0.38 | 0.32 | 86.1 | 0.3 | 0.0 - 1.4 |
| Abbott Cell-Dyn Ruby | 28 | 0.29 | 0.21 | 72.4 | 0.2 | 0.0 - 1.0 | 26 | 0.34 | 0.27 | 80.2 | 0.3 | 0.0 - 1.2 |
| Orphee Mythic 22 | 26 | 0.42 | 0.24 | 56.5 | 0.4 | 0.0 - 1.2 | 26 | 0.61 | 0.43 | 71.5 | 0.6 | 0.0 - 2.0 |
| | **Specimen CL-3** | | | | | | **Specimen CL-4** | | | | | |
| All Method | 57 | 0.31 | 0.29 | 92.8 | 0.2 | 0.0 - 1.2 | 56 | 0.60 | 0.95 | 158.9 | 0.5 | 0.0 - 3.5 |
| All Abbott Cell-Dyn Instruments | 30 | 0.13 | 0.14 | 113.4 | 0.1 | 0.0 - 0.6 | 29 | 0.36 | 0.31 | 87.6 | 0.3 | 0.0 - 1.3 |
| Abbott Cell-Dyn Ruby | 26 | 0.13 | 0.15 | 114.8 | 0.1 | 0.0 - 0.6 | 26 | 0.36 | 0.33 | 89.9 | 0.3 | 0.0 - 1.4 |
| Orphee Mythic 22 | 24 | 0.48 | 0.26 | 54.0 | 0.5 | 0.0 - 1.3 | 25 | 0.62 | 0.42 | 68.0 | 0.5 | 0.0 - 1.9 |
| | **Specimen CL-5** | | | | | | | | | | | |
| All Method | 56 | 0.31 | 0.20 | 64.8 | 0.3 | 0.0 - 1.0 | | | | | | |
| All Abbott Cell-Dyn Instruments | 30 | 0.21 | 0.13 | 62.2 | 0.2 | 0.0 - 0.6 | | | | | | |
| Abbott Cell-Dyn Ruby | 26 | 0.22 | 0.12 | 56.8 | 0.3 | 0.0 - 0.6 | | | | | | |
| Orphee Mythic 22 | 26 | 0.46 | 0.28 | 59.8 | 0.4 | 0.0 - 1.3 | | | | | | |

## BLOOD BANK

### ABO GROUP

| *Specimen* | *Results* | *Labs* | *Percent* | *Performance* |
|---|---|---|---|---|
| **BB-1** | Group AB | 38 | 100% | Acceptable |
| **BB-2** | Group B | 38 | 100% | Acceptable |
| **BB-3** | Group A | 38 | 100% | Acceptable |
| **BB-4** | Group A | 38 | 100% | Acceptable |
| **BB-5** | Group O | 38 | 100% | Acceptable |

### RH FACTOR (D TYPE)

| *Specimen* | *Results* | *Labs* | *Percent* | *Performance* |
|---|---|---|---|---|
| **BB-1** | Rh Negative | 38 | 100% | Acceptable |
| **BB-2** | Rh Positive | 37 | 97.37% | Acceptable |
| | Rh Negative | 1 | 2.63% | |
| **BB-3** | Rh Negative | 38 | 100% | Acceptable |
| **BB-4** | Rh Positive | 38 | 100% | Acceptable |
| **BB-5** | Rh Positive | 38 | 100% | Acceptable |

## BLOOD BANK

### UNEXPECTED ANTIBODY DETECTION

| *Specimen* | *Results* | *Labs* | *Percent* | *Performance* |
|---|---|---|---|---|
| **AB-1** | Unexpected antibody detected | 23 | 95.83% | Acceptable |
| | No unexpected antibody detected | 1 | 4.17% | |
| **AB-2** | No unexpected antibody detected | 23 | 95.83% | Acceptable |
| | Unexpected antibody detected | 1 | 4.17% | |
| **AB-3** | No unexpected antibody detected | 23 | 95.83% | Acceptable |
| | Unexpected antibody detected | 1 | 4.17% | |
| **AB-4** | No unexpected antibody detected | 23 | 95.83% | Acceptable |
| | Unexpected antibody detected | 1 | 4.17% | |
| **AB-5** | Unexpected antibody detected | 23 | 95.83% | Acceptable |
| | No unexpected antibody detected | 2 | 6.67% | |

### ANTIBODY IDENTIFICATION

| *Specimen* | *Identification* | *Labs* | *Percent* | *Performance* |
|---|---|---|---|---|
| **AB-1** | Anti-E | 12 | 92.31% | Acceptable |
| | Anti-M | 1 | 7.69% | |
| **AB-2** | No antibody detected | 13 | 100% | Acceptable |
| **AB-3** | No antibody detected | 13 | 100% | Acceptable |
| **AB-4** | No antibody detected | 13 | 100% | Acceptable |
| **AB-5** | Anti-S | 12 | 92.31% | Acceptable |
| | Anti-E | 1 | 7.69% | |

## BLOOD BANK

### COMPATIBILITY TESTING

| *Specimen* | *Results* | *Labs* | *Percent* | *Performance* |
|---|---|---|---|---|
| **AB-1** | Compatible | 25 | 100% | Acceptable |
| **AB-2** | Compatible | 25 | 100% | Acceptable |
| **AB-3** | Compatible | 25 | 100% | Acceptable |
| **AB-4** | Compatible | 25 | 100% | Acceptable |
| **AB-5** | Not Compatible | 24 | 96.00% | Acceptable |
| | Compatible | 1 | 4.00% | |

# Coagulation

## PROTHROMBIN TIME (seconds)

| | Specimen CG-1 | | | | | | Specimen CG-2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Reagent/Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 104 | 29.87 | 4.47 | 15.0 | 31.0 | 25.3 - 34.4 | 104 | 22.41 | 2.97 | 13.2 | 23.2 | 19.0 - 25.8 |
| Dade Innovin | | | | | | | | | | | | |
| Dade Behring BFT II | 5 | 27.53 | 1.52 | 5.5 | 28.1 | 23.3 - 31.7 | 5 | 19.33 | 0.34 | 1.8 | 19.4 | 16.4 - 22.3 |
| Sysmex CA-500/600 series | 20 | 26.19 | 1.45 | 5.5 | 26.5 | 22.2 - 30.2 | 20 | 19.79 | 0.85 | 4.3 | 20.0 | 16.8 - 22.8 |
| All Coagulation Instruments | 27 | 26.35 | 1.44 | 5.5 | 26.3 | 22.3 - 30.4 | 27 | 19.69 | 0.76 | 3.9 | 19.6 | 16.7 - 22.7 |
| Diag Stago STA Neoplastine CI+ | | | | | | | | | | | | |
| Diagnostica Stago STA Compact | 11 | 32.62 | 2.10 | 6.4 | 33.0 | 27.7 - 37.6 | 11 | 23.63 | 1.06 | 4.5 | 23.7 | 20.0 - 27.2 |
| Diagnostica Stago STart 4/8 | 5 | 33.00 | 3.32 | 10.0 | 33.7 | 28.0 - 38.0 | 5 | 24.10 | 2.40 | 9.9 | 23.4 | 20.4 - 27.8 |
| RAL Clot-SP | 19 | 33.88 | 1.14 | 3.4 | 33.8 | 28.7 - 39.0 | 19 | 25.60 | 0.73 | 2.9 | 25.7 | 21.7 - 29.5 |
| All Coagulation Instruments | 38 | 33.13 | 2.10 | 6.3 | 33.6 | 28.1 - 38.1 | 38 | 24.56 | 1.60 | 6.5 | 24.9 | 20.8 - 28.3 |
| HemosIL RecombiPlasTin 2G | | | | | | | | | | | | |
| IL ACL, all models | 5 | 31.00 | 1.29 | 4.2 | 31.2 | 26.3 - 35.7 | 5 | 22.63 | 1.24 | 5.5 | 22.8 | 19.2 - 26.1 |
| IL TEST PT Fibrinogen | | | | | | | | | | | | |
| IL ACL, all models | 5 | 20.94 | 1.02 | 4.9 | 20.7 | 17.7 - 24.1 | 5 | 17.30 | 0.71 | 4.1 | 17.4 | 14.7 - 19.9 |
| IL TEST PT-FIB HS PLUS | | | | | | | | | | | | |
| IL ACL, all models | 13 | 33.39 | 2.08 | 6.2 | 33.4 | 28.3 - 38.5 | 13 | 24.77 | 1.52 | 6.1 | 24.7 | 21.0 - 28.5 |

## PROTHROMBIN TIME (seconds)

| | Specimen CG-3 | | | | | | Specimen CG-4 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Reagent/Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 104 | 13.38 | 1.59 | 11.9 | 13.5 | 11.3 - 15.4 | 102 | 12.47 | 1.31 | 10.5 | 12.8 | 10.6 - 14.4 |
| Dade Innovin | | | | | | | | | | | | |
| Dade Behring BFT II | 5 | 10.35 | 0.30 | 2.9 | 10.4 | 8.7 - 12.0 | 5 | 9.75 | 0.06 | 0.6 | 9.8 | 8.2 - 11.3 |
| Sysmex CA-500/600 series | 20 | 11.57 | 0.41 | 3.6 | 11.6 | 9.8 - 13.3 | 19 | 11.17 | 0.28 | 2.5 | 11.2 | 9.4 - 12.9 |
| All Coagulation Instruments | 27 | 11.47 | 0.69 | 6.0 | 11.6 | 9.7 - 13.2 | 26 | 10.94 | 0.58 | 5.3 | 11.0 | 9.3 - 12.6 |
| Diag Stago STA Neoplastine CI+ | | | | | | | | | | | | |
| Diagnostica Stago STA Compact | 11 | 14.07 | 0.48 | 3.4 | 14.0 | 11.9 - 16.2 | 10 | 12.89 | 0.34 | 2.6 | 12.8 | 10.9 - 14.9 |
| Diagnostica Stago STart 4/8 | 5 | 13.50 | 1.08 | 8.0 | 13.6 | 11.4 - 15.6 | 5 | 12.92 | 0.94 | 7.2 | 13.0 | 10.9 - 14.9 |
| RAL Clot-SP | 19 | 15.02 | 0.69 | 4.6 | 14.9 | 12.7 - 17.3 | 19 | 13.93 | 0.36 | 2.6 | 13.9 | 11.8 - 16.1 |
| All Coagulation Instruments | 38 | 14.43 | 0.93 | 6.4 | 14.5 | 12.2 - 16.6 | 37 | 13.46 | 0.66 | 4.9 | 13.5 | 11.4 - 15.5 |
| HemosIL RecombiPlasTin 2G | | | | | | | | | | | | |
| IL ACL, all models | 5 | 12.20 | 0.42 | 3.5 | 12.3 | 10.3 - 14.1 | 5 | 10.78 | 0.33 | 3.1 | 10.9 | 9.1 - 12.4 |
| IL TEST PT Fibrinogen | | | | | | | | | | | | |
| IL ACL, all models | 5 | 12.88 | 0.24 | 1.9 | 12.9 | 10.9 - 14.9 | 5 | 12.14 | 0.18 | 1.5 | 12.1 | 10.3 - 14.0 |
| IL TEST PT-FIB HS PLUS | | | | | | | | | | | | |
| IL ACL, all models | 13 | 14.73 | 0.97 | 6.6 | 14.8 | 12.5 - 17.0 | 13 | 13.08 | 0.79 | 6.0 | 13.2 | 11.1 - 15.1 |

## PROTHROMBIN TIME (seconds)

**Specimen CG-5**

| *Reagent/Instrument* | *Labs* | *Mean* | *SD* | *CV* | *Median* | *Range* |
|---|---|---|---|---|---|---|
| All Method | 69 | 34.22 | 4.90 | 14.3 | 35.0 | 29.0 - 39.4 |
| Dade Innovin | | | | | | |
| Dade Behring BFT II | 5 | 25.80 | 0.76 | 3.0 | 25.8 | 21.9 - 29.7 |
| Sysmex CA-500/600 series | 1 | - | - | - | 28.3 | 22.6 - 30.7 |
| All Coagulation Instruments | 7 | 26.64 | 1.24 | 4.7 | 26.6 | 22.6 - 30.7 |
| Diag Stago STA Neoplastine CI+ | | | | | | |
| Diagnostica Stago STA Compact | 10 | 36.36 | 2.01 | 5.5 | 35.9 | 30.9 - 41.9 |
| Diagnostica Stago STart 4/8 | 5 | 35.68 | 2.57 | 7.2 | 34.4 | 30.3 - 41.1 |
| RAL Clot-SP | 18 | 36.74 | 1.45 | 3.9 | 37.2 | 31.2 - 42.3 |
| All Coagulation Instruments | 35 | 36.24 | 1.98 | 5.5 | 36.2 | 30.8 - 41.7 |
| HemosIL RecombiPlasTin 2G | | | | | | |
| IL ACL, all models | 2 | - | - | - | 28.5 | 29.0 - 39.4 |
| IL TEST PT Fibrinogen | | | | | | |
| IL ACL, all models | 5 | 26.23 | 4.21 | 16.1 | 27.8 | 22.2 - 30.2 |
| IL TEST PT-FIB HS PLUS | | | | | | |
| IL ACL, all models | 11 | 38.13 | 4.28 | 11.2 | 39.6 | 32.4 - 43.9 |

## PROTHROMBIN TIME–INTERNATIONAL NORMALIZED RATIO (INR)

| | Specimen CG-1 | | | | | | Specimen CG-2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Reagent/Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 99 | 2.85 | 0.46 | 16.2 | 2.8 | 2.2 - 3.5 | 99 | 2.04 | 0.26 | 12.9 | 2.0 | 1.6 - 2.5 |
| Dade Innovin | | | | | | | | | | | | |
| Dade Behring BFT II | 5 | 2.68 | 0.13 | 4.7 | 2.7 | 2.1 - 3.3 | 5 | 1.95 | 0.06 | 3.0 | 2.0 | 1.5 - 2.4 |
| Sysmex CA-500/600 series | 18 | 2.60 | 0.08 | 3.2 | 2.6 | 2.0 - 3.2 | 19 | 1.96 | 0.10 | 5.2 | 2.0 | 1.5 - 2.4 |
| All Coagulation Instruments | 25 | 2.60 | 0.10 | 3.9 | 2.6 | 2.0 - 3.2 | 26 | 1.95 | 0.09 | 4.9 | 1.9 | 1.5 - 2.4 |
| Diag Stago STA Neoplastine CI+ | | | | | | | | | | | | |
| Diagnostica Stago STA Compact | 7 | 2.99 | 0.48 | 16.0 | 2.9 | 2.3 - 3.6 | 7 | 1.97 | 0.28 | 14.3 | 2.1 | 1.5 - 2.4 |
| Diagnostica Stago STart 4/8 | 5 | 3.46 | 0.40 | 11.7 | 3.4 | 2.7 - 4.2 | 5 | 2.32 | 0.31 | 13.4 | 2.3 | 1.8 - 2.8 |
| RAL Clot-SP | 17 | 3.39 | 0.17 | 4.9 | 3.4 | 2.7 - 4.1 | 17 | 2.33 | 0.12 | 5.2 | 2.3 | 1.8 - 2.8 |
| All Coagulation Instruments | 28 | 3.35 | 0.28 | 8.5 | 3.4 | 2.6 - 4.1 | 29 | 2.24 | 0.25 | 11.2 | 2.3 | 1.7 - 2.7 |
| Diagnostica Stago Neoplastine CI Plus | | | | | | | | | | | | |
| All Coagulation Instruments | 5 | 3.18 | 0.18 | 5.6 | 3.3 | 2.5 - 3.9 | 5 | 2.14 | 0.15 | 7.1 | 2.2 | 1.7 - 2.6 |
| HemosIL RecombiPlasTin 2G | | | | | | | | | | | | |
| IL ACL, all models | 5 | 2.70 | 0.35 | 12.8 | 2.8 | 2.1 - 3.3 | 5 | 2.13 | 0.46 | 21.5 | 2.1 | 1.7 - 2.6 |
| IL TEST PT Fibrinogen | | | | | | | | | | | | |
| IL ACL, all models | 5 | 2.76 | 0.27 | 9.8 | 2.8 | 2.2 - 3.4 | 5 | 1.98 | 0.22 | 10.9 | 1.9 | 1.5 - 2.4 |
| IL TEST PT-FIB HS PLUS | | | | | | | | | | | | |
| IL ACL, all models | 12 | 2.80 | 0.27 | 9.6 | 2.8 | 2.2 - 3.4 | 12 | 1.99 | 0.19 | 9.4 | 2.0 | 1.5 - 2.4 |

## PROTHROMBIN TIME–INTERNATIONAL NORMALIZED RATIO (INR)

| | Specimen CG-3 | | | | | | Specimen CG-4 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Reagent/Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 97 | 1.12 | 0.10 | 8.5 | 1.1 | 0.8 - 1.4 | 95 | 1.02 | 0.09 | 8.4 | 1.0 | 0.8 - 1.3 |
| Dade Innovin | | | | | | | | | | | | |
| Dade Behring BFT II | 5 | 1.15 | 0.06 | 5.0 | 1.2 | 0.9 - 1.4 | 5 | 1.10 | 0.01 | 0.0 | 1.1 | 0.8 - 1.4 |
| Sysmex CA-500/600 series | 19 | 1.13 | 0.07 | 5.8 | 1.1 | 0.9 - 1.4 | 18 | 1.08 | 0.04 | 3.5 | 1.1 | 0.8 - 1.3 |
| All Coagulation Instruments | 26 | 1.13 | 0.07 | 6.1 | 1.1 | 0.9 - 1.4 | 25 | 1.08 | 0.04 | 3.5 | 1.1 | 0.8 - 1.4 |
| Diag Stago STA Neoplastine CI+ | | | | | | | | | | | | |
| Diagnostica Stago STA Compact | 7 | 1.04 | 0.14 | 13.4 | 1.1 | 0.8 - 1.3 | 5 | 0.96 | 0.09 | 9.3 | 1.0 | 0.7 - 1.2 |
| Diagnostica Stago STart 4/8 | 5 | 1.12 | 0.11 | 9.8 | 1.2 | 0.8 - 1.4 | 5 | 1.04 | 0.09 | 8.6 | 1.0 | 0.8 - 1.3 |
| RAL Clot-SP | 17 | 1.16 | 0.08 | 6.9 | 1.2 | 0.9 - 1.4 | 17 | 1.04 | 0.06 | 5.9 | 1.0 | 0.8 - 1.3 |
| All Coagulation Instruments | 29 | 1.12 | 0.11 | 9.7 | 1.1 | 0.8 - 1.4 | 27 | 1.02 | 0.08 | 7.3 | 1.0 | 0.8 - 1.3 |
| Diagnostica Stago Neoplastine CI Plus | | | | | | | | | | | | |
| All Coagulation Instruments | 5 | 1.06 | 0.09 | 8.4 | 1.1 | 0.8 - 1.3 | 5 | 0.94 | 0.09 | 9.5 | 1.0 | 0.7 - 1.2 |
| HemosIL RecombiPlasTin 2G | | | | | | | | | | | | |
| IL ACL, all models | 5 | 1.05 | 0.13 | 12.3 | 1.1 | 0.8 - 1.3 | 5 | 0.90 | 0.08 | 9.1 | 0.9 | 0.7 - 1.1 |
| IL TEST PT Fibrinogen | | | | | | | | | | | | |
| IL ACL, all models | 5 | 1.20 | 0.01 | 0.0 | 1.2 | 0.9 - 1.5 | 5 | 1.06 | 0.05 | 5.2 | 1.1 | 0.8 - 1.3 |
| IL TEST PT-FIB HS PLUS | | | | | | | | | | | | |
| IL ACL, all models | 12 | 1.10 | 0.07 | 6.7 | 1.1 | 0.8 - 1.4 | 12 | 0.97 | 0.07 | 6.7 | 1.0 | 0.7 - 1.2 |

## PROTHROMBIN TIME–INTERNATIONAL NORMALIZED RATIO (INR)

**Specimen CG-5**

| *Reagent/Instrument* | *Labs* | *Mean* | *SD* | *CV* | *Median* | *Range* |
|---|---|---|---|---|---|---|
| All Method | 64 | 3.43 | 0.66 | 19.2 | 3.6 | 2.7 - 4.2 |
| Dade Innovin | | | | | | |
| Dade Behring BFT II | 5 | 2.55 | 0.10 | 3.9 | 2.5 | 2.0 - 3.1 |
| Sysmex CA-500/600 series | 1 | - | - | - | 2.4 | 2.0 - 3.1 |
| All Coagulation Instruments | 7 | 2.56 | 0.11 | 4.4 | 2.5 | 2.0 - 3.1 |
| Diag Stago STA Neoplastine CI+ | | | | | | |
| Diagnostica Stago STA Compact | 6 | 3.57 | 0.59 | 16.6 | 3.8 | 2.8 - 4.3 |
| Diagnostica Stago STart 4/8 | 5 | 3.78 | 0.36 | 9.6 | 3.9 | 3.0 - 4.6 |
| RAL Clot-SP | 16 | 3.79 | 0.17 | 4.5 | 3.8 | 3.0 - 4.6 |
| All Coagulation Instruments | 26 | 3.78 | 0.25 | 6.7 | 3.8 | 3.0 - 4.6 |
| Diagnostica Stago Neoplastine CI Plus | | | | | | |
| All Coagulation Instruments | 5 | 3.34 | 0.27 | 8.1 | 3.5 | 2.6 - 4.1 |
| HemosIL RecombiPlasTin 2G | | | | | | |
| IL ACL, all models | 3 | - | - | - | 2.5 | 2.7 - 4.2 |
| IL TEST PT Fibrinogen | | | | | | |
| IL ACL, all models | 3 | - | - | - | 4.6 | 3.7 - 5.7 |
| IL TEST PT-FIB HS PLUS | | | | | | |
| IL ACL, all models | 10 | 3.37 | 0.46 | 13.7 | 3.4 | 2.6 - 4.1 |

## ACTIVATED PARTIAL THROMBOPLASTIN (seconds)

| | Specimen CG-1 | | | | | | Specimen CG-2 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Reagent/Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 63 | 44.7 | 6.1 | 13.7 | 45 | 38 - 52 | 62 | 39.0 | 4.8 | 12.4 | 39 | 33 - 45 |
| Dade Actin FSL | | | | | | | | | | | | |
| Sysmex CA-500/600 series | 10 | 38.4 | 1.6 | 4.3 | 39 | 32 - 45 | 10 | 34.5 | 1.6 | 4.6 | 34 | 29 - 40 |
| All Coagulation Instruments | 12 | 38.7 | 1.6 | 4.2 | 39 | 32 - 45 | 12 | 34.5 | 1.4 | 4.2 | 34 | 29 - 40 |
| Diagnostica Stago STA C.K. Prest | | | | | | | | | | | | |
| Diagnostica Stago STA Compact | 11 | 48.4 | 2.7 | 5.6 | 47 | 41 - 56 | 11 | 41.7 | 2.0 | 4.7 | 41 | 35 - 48 |
| Diagnostica Stago STart 4/8 | 5 | 49.7 | 4.5 | 9.1 | 50 | 42 - 58 | 5 | 41.3 | 3.2 | 7.8 | 40 | 35 - 48 |
| All Coagulation Instruments | 15 | 48.5 | 3.0 | 6.1 | 47 | 41 - 56 | 15 | 41.6 | 2.1 | 5.0 | 41 | 35 - 48 |
| IL TEST APTT-SP | | | | | | | | | | | | |
| IL ACL, all models | 15 | 45.2 | 3.0 | 6.7 | 45 | 38 - 52 | 15 | 38.4 | 1.9 | 5.0 | 39 | 32 - 45 |

## ACTIVATED PARTIAL THROMBOPLASTIN (seconds)

| | Specimen CG-3 | | | | | | Specimen CG-4 | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ***Reagent/Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 63 | 29.7 | 4.0 | 13.3 | 30 | 25 - 35 | 62 | 29.8 | 4.8 | 16.0 | 30 | 25 - 35 |
| Dade Actin FSL | | | | | | | | | | | | |
| Sysmex CA-500/600 series | 10 | 24.8 | 1.0 | 4.2 | 25 | 21 - 29 | 10 | 23.9 | 0.7 | 3.1 | 24 | 20 - 28 |
| All Coagulation Instruments | 12 | 25.2 | 1.3 | 5.3 | 25 | 21 - 29 | 12 | 24.0 | 0.7 | 3.1 | 24 | 20 - 28 |
| Diagnostica Stago STA C.K. Prest | | | | | | | | | | | | |
| Diagnostica Stago STA Compact | 11 | 33.6 | 1.7 | 5.0 | 34 | 28 - 39 | 10 | 33.0 | 1.4 | 4.3 | 33 | 28 - 38 |
| Diagnostica Stago STart 4/8 | 5 | 32.0 | 2.0 | 6.3 | 32 | 27 - 37 | 5 | 33.0 | 2.6 | 8.0 | 32 | 28 - 38 |
| All Coagulation Instruments | 15 | 33.2 | 1.8 | 5.4 | 33 | 28 - 39 | 14 | 33.1 | 1.7 | 5.0 | 33 | 28 - 39 |
| IL TEST APTT-SP | | | | | | | | | | | | |
| IL ACL, all models | 15 | 30.5 | 1.4 | 4.6 | 30 | 25 - 36 | 15 | 29.7 | 1.1 | 3.8 | 30 | 25 - 35 |

| | Specimen CG-5 | | | | | |
|---|---|---|---|---|---|---|
| ***Reagent/Instrument*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
| All Method | 46 | 78.0 | 12.9 | 16.5 | 78 | 66 - 90 |
| Dade Actin FSL | | | | | | |
| Sysmex CA-500/600 series | 10 | 67.5 | 9.0 | 13.4 | 69 | 57 - 78 |
| All Coagulation Instruments | 12 | 67.7 | 8.9 | 13.2 | 69 | 57 - 78 |
| Diagnostica Stago STA C.K. Prest | | | | | | |
| Diagnostica Stago STA Compact | 10 | 88.9 | 6.0 | 6.7 | 88 | 75 - 103 |
| Diagnostica Stago STart 4/8 | 5 | 90.0 | 11.1 | 12.4 | 88 | 76 - 104 |
| All Coagulation Instruments | 13 | 89.2 | 6.9 | 7.8 | 88 | 75 - 103 |
| IL TEST APTT-SP | | | | | | |
| IL ACL, all models | 7 | 79.1 | 6.6 | 8.4 | 79 | 67 - 92 |

## FIBRINOGEN (mg/dL)

### Specimen CG-1

| Reagent/Instrument | Labs | Mean | SD | CV | Median | Range |
|---|---|---|---|---|---|---|
| All Method | 35 | 288.9 | 40.6 | 14.1 | 288 | 231 - 347 |
| Diagnostica Stago STA Fibrinogen | | | | | | |
| Diagnostica Stago STA Compact | 12 | 263.1 | 26.7 | 10.1 | 268 | 210 - 316 |
| All Coagulation Instruments | 14 | 264.2 | 25.9 | 9.8 | 268 | 211 - 318 |
| IL Fibrinogen-C | | | | | | |
| IL ACL, all models | 6 | 313.2 | 28.7 | 9.2 | 303 | 250 - 376 |
| IL TEST PT-FIB HS PLUS | | | | | | |
| IL ACL, all models | 9 | 319.4 | 37.8 | 11.8 | 327 | 255 - 384 |

### Specimen CG-2

| Reagent/Instrument | Labs | Mean | SD | CV | Median | Range |
|---|---|---|---|---|---|---|
| All Method | 34 | 294.3 | 36.8 | 12.5 | 291 | 235 - 354 |
| Diagnostica Stago STA Fibrinogen | | | | | | |
| Diagnostica Stago STA Compact | 12 | 276.5 | 17.7 | 6.4 | 279 | 221 - 332 |
| All Coagulation Instruments | 14 | 275.8 | 17.3 | 6.3 | 279 | 220 - 331 |
| IL Fibrinogen-C | | | | | | |
| IL ACL, all models | 6 | 325.3 | 35.4 | 10.9 | 312 | 260 - 391 |
| IL TEST PT-FIB HS PLUS | | | | | | |
| IL ACL, all models | 9 | 312.1 | 37.6 | 12.0 | 316 | 249 - 375 |

### Specimen CG-3

| Reagent/Instrument | Labs | Mean | SD | CV | Median | Range |
|---|---|---|---|---|---|---|
| All Method | 35 | 288.9 | 29.2 | 10.1 | 290 | 231 - 347 |
| Diagnostica Stago STA Fibrinogen | | | | | | |
| Diagnostica Stago STA Compact | 12 | 281.3 | 18.6 | 6.6 | 286 | 225 - 338 |
| All Coagulation Instruments | 14 | 280.8 | 17.7 | 6.3 | 285 | 224 - 337 |
| IL Fibrinogen-C | | | | | | |
| IL ACL, all models | 6 | 340.2 | 36.5 | 10.7 | 329 | 272 - 409 |
| IL TEST PT-FIB HS PLUS | | | | | | |
| IL ACL, all models | 9 | 291.3 | 30.6 | 10.5 | 292 | 233 - 350 |

### Specimen CG-4

| Reagent/Instrument | Labs | Mean | SD | CV | Median | Range |
|---|---|---|---|---|---|---|
| All Method | 34 | 420.2 | 45.6 | 10.8 | 425 | 336 - 505 |
| Diagnostica Stago STA Fibrinogen | | | | | | |
| Diagnostica Stago STA Compact | 12 | 399.9 | 98.9 | 24.7 | 416 | 319 - 480 |
| All Coagulation Instruments | 13 | 426.5 | 34.1 | 8.0 | 426 | 341 - 512 |
| IL Fibrinogen-C | | | | | | |
| IL ACL, all models | 6 | 464.0 | 35.0 | 7.5 | 453 | 371 - 557 |
| IL TEST PT-FIB HS PLUS | | | | | | |
| IL ACL, all models | 9 | 395.9 | 34.9 | 8.8 | 391 | 316 - 476 |

### Specimen CG-5

| Reagent/Instrument | Labs | Mean | SD | CV | Median | Range |
|---|---|---|---|---|---|---|
| All Method | 27 | 101.6 | 12.9 | 12.7 | 101 | 81 - 122 |
| Diagnostica Stago STA Fibrinogen | | | | | | |
| Diagnostica Stago STA Compact | 11 | 98.3 | 10.2 | 10.4 | 99 | 78 - 118 |
| All Coagulation Instruments | 12 | 98.5 | 9.8 | 9.9 | 100 | 78 - 119 |
| IL Fibrinogen-C | | | | | | |
| IL ACL, all models | 5 | 96.0 | 18.7 | 19.5 | 89 | 76 - 116 |
| IL TEST PT-FIB HS PLUS | | | | | | |
| IL ACL, all models | 7 | 103.6 | 10.2 | 9.9 | 103 | 82 - 125 |

## URINALYSIS DIPSTICK–SPECIFIC GRAVITY

**Specimen UA-1**

| *Method* | *Labs* | *Mean* | *SD* | *CV* | *Median* | *Range* |
|---|---|---|---|---|---|---|
| All Method | 359 | 1.0225 | 0.0056 | 0.6 | 1.020 | 1.012 - 1.033 |
| All Arkray Methods | 16 | 1.0275 | 0.0023 | 0.2 | 1.028 | 1.017 - 1.038 |
| All DIRUI Methods | 20 | 1.0240 | 0.0040 | 0.4 | 1.025 | 1.013 - 1.034 |
| All Iris Diagnostics Methods | 16 | 1.0268 | 0.0008 | 0.1 | 1.027 | 1.016 - 1.037 |
| All Refractive Index Methods | 43 | 1.0280 | 0.0024 | 0.2 | 1.028 | 1.018 - 1.039 |
| All Roche Methods | 118 | 1.0182 | 0.0048 | 0.5 | 1.015 | 1.008 - 1.029 |
| All Siemens Methods | 34 | 1.0194 | 0.0023 | 0.2 | 1.020 | 1.009 - 1.030 |
| 77 Elektronika LabUMat/2 | 18 | 1.0299 | 0.0027 | 0.3 | 1.031 | 1.019 - 1.040 |
| Arkray Aution Sticks | 12 | 1.0273 | 0.0024 | 0.2 | 1.027 | 1.017 - 1.038 |
| DIRUI H-100 / H-500 Urine Analyzer | 15 | 1.0230 | 0.0025 | 0.2 | 1.025 | 1.013 - 1.033 |
| Iris Diagnostics iChem Velocity Strips | 13 | 1.0268 | 0.0009 | 0.1 | 1.027 | 1.016 - 1.037 |
| Other Analyzer Method | 14 | 1.0260 | 0.0054 | 0.5 | 1.025 | 1.016 - 1.036 |
| Roche Chemstrips / Combur | 15 | 1.0190 | 0.0039 | 0.4 | 1.020 | 1.009 - 1.029 |
| Roche cobas 6500 / u 601 | 10 | 1.0302 | 0.0012 | 0.1 | 1.031 | 1.020 - 1.041 |
| Roche cobas u 411 | 74 | 1.0165 | 0.0022 | 0.2 | 1.015 | 1.006 - 1.027 |
| Roche Urisys | 43 | 1.0209 | 0.0064 | 0.6 | 1.020 | 1.010 - 1.031 |
| SD UroColor Reagent Strips | 21 | 1.0279 | 0.0030 | 0.3 | 1.030 | 1.017 - 1.038 |
| Siemens Clinitek Advantus | 18 | 1.0203 | 0.0021 | 0.2 | 1.020 | 1.010 - 1.031 |
| Siemens Clinitek Status / Status+ | 15 | 1.0183 | 0.0025 | 0.2 | 1.020 | 1.008 - 1.029 |
| UriScan Pro/II | 10 | 1.0212 | 0.0048 | 0.5 | 1.020 | 1.011 - 1.032 |
| UriScan Reagent Strips | 17 | 1.0247 | 0.0021 | 0.2 | 1.025 | 1.014 - 1.035 |

## URINALYSIS DIPSTICK–pH

**Specimen UA-1**

***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 | 384 | - | - | - | 294 | 54 | 35 | 1 | - | - | - | - | - |
| 77 Elektronika LabUMat/2 | 19 | - | - | - | 19 | - | - | - | - | - | - | - | - |
| Acon Laboratories | 10 | - | - | - | 6 | 1 | 3 | - | - | - | - | - | - |
| Analyticon CombiScan 500 | 3 | - | - | - | 3 | - | - | - | - | - | - | - | - |
| Arkray Aution Jet | 3 | - | - | - | 2 | 1 | - | - | - | - | - | - | - |
| Arkray Aution Sticks | 16 | - | - | - | 12 | 3 | 1 | - | - | - | - | - | - |
| Combi-Screen Test Strips | 9 | - | - | - | 9 | - | - | - | - | - | - | - | - |
| DIRUI H-100 / H-500 Urine Analyzer | 15 | - | - | - | 9 | 5 | 1 | - | - | - | - | - | - |
| DIRUI H-800 Urine Analyzer | 5 | - | - | - | 1 | 3 | 1 | - | - | - | - | - | - |
| HUMAN Combilyzer | 2 | - | - | - | 2 | - | - | - | - | - | - | - | - |
| Iris Diagnostics Aution Max AX-4280 | 2 | - | - | - | 1 | 1 | - | - | - | - | - | - | - |
| Iris Diagnostics iChem Velocity Strips | 12 | - | - | - | 12 | - | - | - | - | - | - | - | - |
| Iris Ichem VELOCITY Urine Chemistry System | 3 | - | - | - | 3 | - | - | - | - | - | - | - | - |
| Other Analyzer Method | 15 | - | - | - | 9 | 6 | - | - | - | - | - | - | - |
| Other Dipstick Method | 8 | - | - | - | 5 | 1 | 2 | - | - | - | - | - | - |
| Plasmatec URIPATH | 2 | - | - | - | 2 | - | - | - | - | - | - | - | - |
| Roche Chemstrips / Combur | 20 | - | - | - | 20 | - | - | - | - | - | - | - | - |
| Roche cobas 6500 / u 601 | 10 | - | - | - | 10 | - | - | - | - | - | - | - | - |
| Roche cobas u 411 | 76 | - | - | - | 74 | - | 2 | - | - | - | - | - | - |
| Roche Urisys | 43 | - | - | - | 41 | - | 1 | 1 | - | - | - | - | - |
| SD UroColor Reagent Strips | 20 | - | - | - | 9 | 3 | 8 | - | - | - | - | - | - |
| Siemens Clinitek 500 | 1 | - | - | - | - | - | 1 | - | - | - | - | - | - |
| Siemens Clinitek Advantus | 20 | - | - | - | 2 | 16 | 2 | - | - | - | - | - | - |
| Siemens Clinitek Atlas | 2 | - | - | - | 1 | 1 | - | - | - | - | - | - | - |
| Siemens Clinitek Status / Status+ | 15 | - | - | - | 7 | 8 | - | - | - | - | - | - | - |
| Siemens Reagent Strips | 15 | - | - | - | 6 | - | 9 | - | - | - | - | - | - |
| Siemens Uristix | 1 | - | - | - | 1 | - | - | - | - | - | - | - | - |
| Urinometer | 2 | - | - | - | - | 2 | - | - | - | - | - | - | - |
| UriScan Pro/II | 9 | - | - | - | 7 | 1 | 1 | - | - | - | - | - | - |
| UriScan Reagent Strips | 18 | - | - | - | 16 | 1 | 1 | - | - | - | - | - | - |
| URIT Medical Uritest Analyzers | 1 | - | - | - | - | 1 | - | - | - | - | - | - | - |
| URIT Medical Uritest Reagent Strips | 1 | - | - | - | 1 | - | - | - | - | - | - | - | - |

## URINALYSIS DIPSTICK–PROTEIN QUALITATIVE

**Specimen UA-1**

| | | *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 | 384 | 379 | 2 | 1 | - | - | - | 2 | - | - | - | - | - |
| 77 Elektronika LabUMat/2 | 19 | 19 | - | - | - | - | - | - | - | - | - | - | - |
| Acon Laboratories | 10 | 9 | - | - | - | - | - | 1 | - | - | - | - | - |
| Analyticon CombiScan 500 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - |
| Arkray Aution Jet | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - |
| Arkray Aution Sticks | 16 | 15 | - | 1 | - | - | - | - | - | - | - | - | - |
| Arkray PocketChem UA | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Combi-Screen Test Strips | 9 | 9 | - | - | - | - | - | - | - | - | - | - | - |
| DIRUI H-100 / H-500 Urine Analyzer | 16 | 16 | - | - | - | - | - | - | - | - | - | - | - |
| DIRUI H-800 Urine Analyzer | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - |
| HUMAN Combilyzer | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| Iris Diagnostics Aution Max AX-4280 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| Iris Diagnostics iChem Velocity Strips | 12 | 12 | - | - | - | - | - | - | - | - | - | - | - |
| Iris Ichem VELOCITY Urine Chemistry System | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - |
| Other Analyzer Method | 17 | 17 | - | - | - | - | - | - | - | - | - | - | - |
| Other Dipstick Method | 8 | 8 | - | - | - | - | - | - | - | - | - | - | - |
| Plasmatec URIPATH | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| Roche Chemstrips / Combur | 20 | 20 | - | - | - | - | - | - | - | - | - | - | - |
| Roche cobas 6500 / u 601 | 10 | 10 | - | - | - | - | - | - | - | - | - | - | - |
| Roche cobas u 411 | 76 | 76 | - | - | - | - | - | - | - | - | - | - | - |
| Roche Urisys | 42 | 41 | - | - | - | - | - | 1 | - | - | - | - | - |
| SD UroColor Reagent Strips | 20 | 19 | 1 | - | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek 500 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek Advantus | 20 | 20 | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek Atlas | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek Status / Status+ | 15 | 15 | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Reagent Strips | 15 | 15 | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Uristix | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| Urinometer | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - |
| UriScan Pro/II | 9 | 9 | - | - | - | - | - | - | - | - | - | - | - |
| UriScan Reagent Strips | 18 | 17 | 1 | - | - | - | - | - | - | - | - | - | - |
| URIT Medical Uritest Analyzers | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - |
| URIT Medical Uritest Reagent Strips | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - |

## URINALYSIS DIPSTICK–GLUCOSE

**Specimen UA-1**

| 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 | 386 | 8 | 21 | 42 | 24 | 20 | 63 | 13 | 33 | 19 | 143 |
| 77 Elektronika LabUMat/2 | 19 | - | - | - | 1 | - | 10 | - | - | - | 8 |
| Acon Laboratories | 10 | 1 | - | - | 1 | 1 | 3 | - | 3 | 1 | - |
| Analyticon CombiScan 500 | 3 | - | - | - | - | - | - | - | - | 1 | 2 |
| Arkray Aution Jet | 3 | - | - | - | - | - | 3 | - | - | - | - |
| Arkray Aution Sticks | 16 | - | - | - | - | 1 | 10 | - | 1 | 2 | 2 |
| Arkray PocketChem UA | 1 | - | - | - | - | - | - | - | - | - | 1 |
| Combi-Screen Test Strips | 9 | - | - | - | - | - | 1 | - | 1 | 2 | 5 |
| DIRUI H-100 / H-500 Urine Analyzer | 16 | 1 | - | 8 | 1 | - | 1 | 3 | 1 | 1 | - |
| DIRUI H-800 Urine Analyzer | 4 | - | - | - | 1 | 2 | - | - | - | 1 | - |
| HUMAN Combilyzer | 2 | - | - | - | - | 1 | 1 | - | - | - | - |
| Iris Diagnostics Aution Max AX-4280 | 2 | - | - | - | - | - | 2 | - | - | - | - |
| Iris Diagnostics iChem Velocity Strips | 12 | - | - | - | 1 | 2 | - | - | 4 | 5 | - |
| Iris Ichem VELOCITY Urine Chemistry System | 3 | - | - | - | 1 | - | - | - | 1 | 1 | - |
| Other Analyzer Method | 17 | 1 | - | 1 | 3 | - | 5 | - | 2 | - | 5 |
| Other Dipstick Method | 8 | - | 1 | 2 | - | 1 | 3 | - | - | - | 1 |
| Plasmatec URIPATH | 2 | 2 | - | - | - | - | - | - | - | - | - |
| Roche Chemstrips / Combur | 20 | - | - | - | 2 | 4 | 11 | 1 | - | - | 2 |
| Roche cobas 6500 / u 601 | 10 | - | - | - | - | - | 1 | - | - | 1 | 8 |
| Roche cobas u 411 | 76 | - | - | - | - | 1 | 1 | - | 3 | 1 | 70 |
| Roche Urisys | 43 | - | - | - | - | 1 | 8 | - | 1 | - | 33 |
| SD UroColor Reagent Strips | 21 | - | 1 | 5 | 2 | 3 | 1 | 1 | 4 | 2 | 2 |
| Siemens Clinitek 500 | 1 | - | - | - | - | - | - | 1 | - | - | - |
| Siemens Clinitek Advantus | 20 | - | 7 | 3 | - | - | - | 4 | 6 | - | - |
| Siemens Clinitek Atlas | 2 | - | - | - | - | - | - | - | - | - | 2 |
| Siemens Clinitek Status / Status+ | 15 | - | 6 | 8 | 1 | - | - | - | - | - | - |
| Siemens Reagent Strips | 16 | 3 | 6 | 4 | 1 | - | - | - | 2 | - | - |
| Siemens Uristix | 1 | - | - | - | - | - | - | - | - | - | 1 |
| Urinometer | 2 | - | - | - | 1 | - | - | - | - | 1 | - |
| UriScan Pro/II | 9 | - | - | 3 | 2 | - | - | 2 | 2 | - | - |
| UriScan Reagent Strips | 17 | - | - | 7 | 6 | 2 | - | - | 2 | - | - |
| URIT Medical Uritest Analyzers | 1 | - | - | - | - | - | 1 | - | - | - | - |
| URIT Medical Uritest Reagent Strips | 1 | - | - | - | - | 1 | - | - | - | - | - |

## URINALYSIS DIPSTICK–KETONES

**Specimen UA-1**

| | | 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 | 385 | 2 | - | - | - | - | 20 | 104 | 52 | 8 | 10 | 6 | 102 | 21 | 60 |
| 77 Elektronika LabUMat/2 | 19 | - | - | - | - | - | 1 | 10 | - | - | - | 1 | 7 | - | - |
| Acon Laboratories | 10 | 1 | - | - | - | - | - | 2 | 2 | 1 | 1 | - | 1 | 1 | 1 |
| Analyticon CombiScan 500 | 3 | - | - | - | - | - | - | 1 | - | - | - | - | - | 2 | - |
| Arkray Aution Jet | 3 | - | - | - | - | - | - | 3 | - | - | - | - | - | - | - |
| Arkray Aution Sticks | 16 | - | - | - | - | - | - | 10 | 2 | 1 | 1 | - | - | 1 | 1 |
| Arkray PocketChem UA | 1 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - |
| Combi-Screen Test Strips | 9 | - | - | - | - | - | 1 | 1 | - | - | - | - | - | 7 | - |
| DIRUI H-100 / H-500 Urine Analyzer | 16 | - | - | - | - | - | 7 | 6 | - | - | 1 | 1 | 1 | - | - |
| DIRUI H-800 Urine Analyzer | 4 | - | - | - | - | - | 1 | 2 | - | - | - | - | 1 | - | - |
| HUMAN Combilyzer | 2 | - | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - |
| Iris Diagnostics Aution Max AX-4280 | 2 | - | - | - | - | - | - | 2 | - | - | - | - | - | - | - |
| Iris Diagnostics iChem Velocity Strips | 12 | - | - | - | - | - | - | 1 | 1 | - | - | - | 10 | - | - |
| Iris Ichem VELOCITY Urine Chemistry System | 3 | - | - | - | - | - | - | - | - | - | - | - | 3 | - | - |
| Other Analyzer Method | 17 | - | - | - | - | - | 1 | 8 | 2 | - | - | 2 | 3 | 1 | - |
| Other Dipstick Method | 8 | - | - | - | - | - | - | 4 | 2 | - | 1 | - | - | 1 | - |
| Plasmatec URIPATH | 2 | - | - | - | - | - | 1 | 1 | - | - | - | - | - | - | - |
| Roche Chemstrips / Combur | 20 | - | - | - | - | - | 2 | 8 | 8 | - | - | - | - | - | 2 |
| Roche cobas 6500 / u 601 | 10 | - | - | - | - | - | - | - | - | 1 | - | - | 6 | - | 3 |
| Roche cobas u 411 | 76 | 1 | - | - | - | - | - | - | 2 | 1 | - | - | 37 | 1 | 34 |
| Roche Urisys | 44 | - | - | - | - | - | 1 | 1 | 4 | 2 | - | 1 | 15 | 2 | 18 |
| SD UroColor Reagent Strips | 20 | - | - | - | - | - | 1 | 4 | 7 | - | 4 | 1 | 2 | - | 1 |
| Siemens Clinitek 500 | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - |
| Siemens Clinitek Advantus | 20 | - | - | - | - | - | 1 | 9 | - | - | - | - | 9 | 1 | - |
| Siemens Clinitek Atlas | 2 | - | - | - | - | - | - | - | - | - | - | - | 2 | - | - |
| Siemens Clinitek Status / Status+ | 15 | - | - | - | - | - | - | 7 | 8 | - | - | - | - | - | - |
| Siemens Reagent Strips | 15 | - | - | - | - | - | - | 3 | 9 | 2 | - | - | - | 1 | - |
| Urinometer | 2 | - | - | - | - | - | - | - | 1 | - | - | - | - | 1 | - |
| UriScan Pro/II | 9 | - | - | - | - | - | 1 | 4 | - | - | 2 | - | 1 | 1 | - |
| UriScan Reagent Strips | 18 | - | - | - | - | - | 1 | 13 | 2 | - | - | - | 2 | - | - |
| URIT Medical Uritest Analyzers | 1 | - | - | - | - | - | - | 1 | - | - | - | - | - | - | - |
| URIT Medical Uritest Reagent Strips | 1 | - | - | - | - | - | 1 | - | - | - | - | - | - | - | - |

## URINALYSIS DIPSTICK–BILIRUBIN

**Specimen UA-1**

| | | 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 | 368 | 368 | - | - | - | - | - | - | - | - | - | - | - | - |
| 77 Elektronika LabUMat/2 | 19 | 19 | - | - | - | - | - | - | - | - | - | - | - | - |
| Acon Laboratories | 10 | 10 | - | - | - | - | - | - | - | - | - | - | - | - |
| Analyticon CombiScan 500 | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - |
| Arkray Aution Jet | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - |
| Arkray Aution Sticks | 16 | 16 | - | - | - | - | - | - | - | - | - | - | - | - |
| Arkray PocketChem UA | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| Combi-Screen Test Strips | 8 | 8 | - | - | - | - | - | - | - | - | - | - | - | - |
| DIRUI H-100 / H-500 Urine Analyzer | 16 | 16 | - | - | - | - | - | - | - | - | - | - | - | - |
| DIRUI H-800 Urine Analyzer | 4 | 4 | - | - | - | - | - | - | - | - | - | - | - | - |
| HUMAN Combilyzer | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - |
| Iris Diagnostics Aution Max AX-4280 | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - |
| Iris Diagnostics iChem Velocity Strips | 13 | 13 | - | - | - | - | - | - | - | - | - | - | - | - |
| Iris Ichem VELOCITY Urine Chemistry System | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - |
| Other Analyzer Method | 17 | 17 | - | - | - | - | - | - | - | - | - | - | - | - |
| Other Dipstick Method | 8 | 8 | - | - | - | - | - | - | - | - | - | - | - | - |
| Plasmatec URIPATH | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - |
| Roche Chemstrips / Combur | 18 | 18 | - | - | - | - | - | - | - | - | - | - | - | - |
| Roche cobas 6500 / u 601 | 10 | 10 | - | - | - | - | - | - | - | - | - | - | - | - |
| Roche cobas u 411 | 76 | 76 | - | - | - | - | - | - | - | - | - | - | - | - |
| Roche Urisys | 43 | 43 | - | - | - | - | - | - | - | - | - | - | - | - |
| SD UroColor Reagent Strips | 19 | 19 | - | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek 500 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek Advantus | 20 | 20 | - | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek Atlas | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek Status / Status+ | 15 | 15 | - | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Reagent Strips | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Uristix | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| Urinometer | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| UriScan Pro/II | 9 | 9 | - | - | - | - | - | - | - | - | - | - | - | - |
| UriScan Reagent Strips | 17 | 17 | - | - | - | - | - | - | - | - | - | - | - | - |
| URIT Medical Uritest Analyzers | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - |
| URIT Medical Uritest Reagent Strips | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - |

**URINALYSIS DIPSTICK–UROBILINOGEN**

**Specimen UA-1**

***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 | 402 | 400 | 1 | 1 | - | - |
| 77 Elektronika LabUMat/2 | 15 | 15 | - | - | - | - |
| Acon Laboratories | 9 | 9 | - | - | - | - |
| Analyticon CombiScan 500 | 3 | 3 | - | - | - | - |
| Arkray Aution Jet | 2 | 2 | - | - | - | - |
| Arkray Aution Sticks | 8 | 8 | - | - | - | - |
| Arkray PocketChem UA | 3 | 3 | - | - | - | - |
| Combi-Screen Test Strips | 12 | 12 | - | - | - | - |
| DIRUI H-100 / H-500 Urine Analyzer | 16 | 16 | - | - | - | - |
| DIRUI H-800 Urine Analyzer | 4 | 4 | - | - | - | - |
| HUMAN Combilyzer | 1 | 1 | - | - | - | - |
| Iris Diagnostics Aution Max AX-4280 | 1 | 1 | - | - | - | - |
| Iris Diagnostics iChem Velocity Strips | 12 | 12 | - | - | - | - |
| Iris Ichem VELOCITY Urine Chemistry System | 3 | 3 | - | - | - | - |
| Other Analyzer Method | 14 | 14 | - | - | - | - |
| Other Dipstick Method | 10 | 10 | - | - | - | - |
| Plasmatec URIPATH | 2 | 2 | - | - | - | - |
| Roche Chemstrips / Combur | 19 | 19 | - | - | - | - |
| Roche cobas 6500 / u 601 | 9 | 9 | - | - | - | - |
| Roche cobas u 411 | 86 | 86 | - | - | - | - |
| Roche Miditron Junior/II | 1 | 1 | - | - | - | - |
| Roche Urisys | 48 | 48 | - | - | - | - |
| SD UroColor Reagent Strips | 23 | 22 | 1 | - | - | - |
| Siemens Clinitek 500 | 2 | 2 | - | - | - | - |
| Siemens Clinitek Advantus | 36 | 35 | - | 1 | - | - |
| Siemens Clinitek Atlas | 4 | 4 | - | - | - | - |
| Siemens Clinitek Status / Status+ | 6 | 6 | - | - | - | - |
| Siemens Reagent Strips | 2 | 2 | - | - | - | - |
| Siemens Uristix | 1 | 1 | - | - | - | - |
| Urinometer | 1 | 1 | - | - | - | - |
| UriScan Pro/II | 16 | 16 | - | - | - | - |
| UriScan Reagent Strips | 27 | 27 | - | - | - | - |
| URIT Medical Uritest Analyzers | 1 | 1 | - | - | - | - |
| URIT Medical Uritest Reagent Strips | 1 | 1 | - | - | - | - |

**URINALYSIS DIPSTICK–BLOOD/HEMOGLOBIN**
**Specimen UA-1**

*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 | 384 | 378 | 5 | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| 77 Elektronika LabUMat/2 | 18 | 18 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Acon Laboratories | 9 | 9 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Analyticon CombiScan 500 | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Arkray Aution Jet | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Arkray Aution Sticks | 16 | 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Arkray PocketChem UA | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Combi-Screen Test Strips | 9 | 9 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| DIRUI H-100 / H-500 Urine Analyzer | 16 | 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 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 | 13 | 12 | - | - | - | - | - | - | - | - | - | - | - | - | 1 | - | - | - |
| Iris Ichem VELOCITY Urine Chemistry System | 3 | 3 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Other Analyzer Method | 17 | 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Other Dipstick Method | 8 | 8 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Plasmatec URIPATH | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Roche Chemstrips / Combur | 19 | 19 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Roche cobas 6500 / u 601 | 10 | 10 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Roche cobas u 411 | 74 | 74 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Roche Miditron Junior/II | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Roche Urilux S | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Roche Urisys | 43 | 42 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| SD UroColor Reagent Strips | 20 | 18 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek 500 | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek Advantus | 20 | 19 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek Atlas | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek Status / Status+ | 15 | 15 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Reagent Strips | 16 | 16 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Siemens Uristix | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Urinometer | 2 | 2 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UriScan Pro/II | 9 | 9 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| UriScan Reagent Strips | 17 | 17 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| URIT Medical Uritest Analyzers | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| URIT Medical Uritest Reagent Strips | 1 | 1 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |

## URINALYSIS DIPSTICK–LEUKOCYTE ESTERASE

**Specimen UA-1**

| | | *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 | 369 | 7 | 1 | 2 | 1 | - | 31 | 38 | 78 | 3 | 4 | 24 | 180 |
| 77 Elektronika LabUMat/2 | 19 | - | - | - | - | - | - | 1 | 11 | - | - | - | 7 |
| Acon Laboratories | 10 | 1 | - | - | - | - | - | 7 | - | - | - | 2 | - |
| Analyticon CombiScan 500 | 3 | - | - | - | - | - | - | - | - | - | - | 1 | 2 |
| Arkray Aution Jet | 3 | - | - | - | - | - | - | - | - | - | - | - | 3 |
| Arkray Aution Sticks | 15 | - | - | - | - | - | - | 1 | 2 | - | - | 1 | 11 |
| Arkray PocketChem UA | 1 | - | - | - | - | - | - | - | - | - | - | - | 1 |
| Combi-Screen Test Strips | 10 | - | - | - | - | - | - | 1 | 1 | - | - | 1 | 7 |
| DIRUI H-100 / H-500 Urine Analyzer | 16 | - | - | - | - | - | 4 | 5 | 3 | - | 2 | 2 | - |
| 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 | 13 | - | - | - | - | - | - | - | 7 | - | - | - | 6 |
| Iris Ichem VELOCITY Urine Chemistry System | 3 | - | - | - | - | - | - | - | - | - | - | - | 3 |
| Other Analyzer Method | 16 | - | - | - | - | - | 1 | 2 | 6 | 1 | - | 1 | 5 |
| Other Dipstick Method | 8 | - | - | - | - | - | - | 2 | 2 | - | 1 | - | 3 |
| Plasmatec URIPATH | 2 | - | - | - | - | - | - | - | 2 | - | - | - | - |
| Roche Chemstrips / Combur | 19 | - | - | - | - | - | - | - | 16 | 1 | - | - | 2 |
| Roche cobas 6500 / u 601 | 10 | - | - | - | - | - | - | - | 1 | - | - | - | 9 |
| Roche cobas u 411 | 76 | - | - | - | - | - | - | - | 1 | 1 | - | 1 | 73 |
| Roche Urisys | 43 | - | - | - | - | - | - | - | 8 | - | - | - | 35 |
| SD UroColor Reagent Strips | 20 | 3 | - | - | - | - | 2 | 4 | 4 | - | - | 2 | 5 |
| Siemens Clinitek 500 | 1 | - | - | - | - | - | - | - | - | - | - | 1 | - |
| Siemens Clinitek Advantus | 20 | 1 | - | 1 | - | - | 12 | - | - | - | - | 6 | - |
| Siemens Clinitek Atlas | 2 | - | - | - | - | - | - | - | - | - | - | 2 | - |
| Siemens Clinitek Status / Status+ | 15 | - | 1 | 1 | 1 | - | 8 | 4 | - | - | - | - | - |
| Siemens Reagent Strips | 3 | - | - | - | - | - | 1 | 1 | - | - | - | 1 | - |
| Siemens Uristix | 1 | - | - | - | - | - | - | - | - | - | - | 1 | - |
| Urinometer | 2 | - | - | - | - | - | - | - | 1 | - | - | - | 1 |
| UriScan Pro/II | 8 | 1 | - | - | - | - | 1 | 1 | 1 | - | 1 | - | 3 |
| UriScan Reagent Strips | 16 | 1 | - | - | - | - | 1 | 6 | 7 | - | - | 1 | - |
| URIT Medical Uritest Analyzers | 1 | - | - | - | - | - | - | - | 1 | - | - | - | - |
| URIT Medical Uritest Reagent Strips | 1 | - | - | - | - | - | - | 1 | - | - | - | - | - |

## URINALYSIS DIPSTICK–NITRITE

**Specimen UA-1**

***Participant Results***

| ***Method*** | ***Labs*** | ***Positive*** | ***Negative*** |
|---|---|---|---|
| ALL METHODS | 373 | 238 | 135 |
| 77 Elektronika LabUMat/2 | 19 | 5 | 14 |
| Acon Laboratories | 10 | 8 | 2 |
| Analyticon CombiScan 500 | 3 | 2 | 1 |
| Arkray Aution Jet | 3 | - | 3 |
| Arkray Aution Sticks | 15 | 5 | 10 |
| Arkray PocketChem UA | 1 | - | 1 |
| Combi-Screen Test Strips | 9 | 4 | 5 |
| DIRUI H-100 / H-500 Urine Analyzer | 16 | 15 | 1 |
| DIRUI H-800 Urine Analyzer | 4 | 4 | - |
| HUMAN Combilyzer | 2 | 2 | - |
| Iris Diagnostics Aution Max AX-4280 | 2 | 1 | 1 |
| Iris Diagnostics iChem Velocity Strips | 13 | 2 | 11 |
| Iris Ichem VELOCITY Urine Chemistry System | 3 | - | 3 |
| Other Analyzer Method | 17 | 12 | 5 |
| Other Dipstick Method | 8 | 5 | 3 |
| Plasmatec URIPATH | 2 | - | 2 |
| Roche Chemstrips / Combur | 20 | 11 | 9 |
| Roche cobas 6500 / u 601 | 10 | 6 | 4 |
| Roche cobas u 411 | 76 | 63 | 13 |
| Roche Urisys | 43 | 36 | 7 |
| SD UroColor Reagent Strips | 21 | 14 | 7 |
| Siemens Clinitek 500 | 1 | 1 | - |
| Siemens Clinitek Advantus | 20 | 11 | 9 |
| Siemens Clinitek Atlas | 2 | 2 | - |
| Siemens Clinitek Status / Status+ | 15 | 4 | 11 |
| Siemens Reagent Strips | 3 | 2 | 1 |
| Siemens Uristix | 1 | 1 | - |
| Urinometer | 2 | 2 | - |
| UriScan Pro/II | 9 | 9 | - |
| UriScan Reagent Strips | 17 | 7 | 10 |
| URIT Medical Uritest Analyzers | 1 | 1 | - |
| URIT Medical Uritest Reagent Strips | 1 | 1 | - |

Urine Nitrite is not graded due lack of participant consensus. Nitrite was targeted to be Positive.

## URINALYSIS –MICROALBUMIN (dipstick only)

**Specimen UA-1**

| | | *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 | 24 | 19 | 3 | 1 | - | 1 | - | - | - | - | - |
| Abbott Architect | 1 | 1 | - | - | - | - | - | - | - | - | - |
| Beckman Coulter ICON microALB | 1 | 1 | - | - | - | - | - | - | - | - | - |
| Other Analyzer Method | 6 | 5 | 1 | - | - | - | - | - | - | - | - |
| Roche cobas 6000 / c 501 | 3 | 3 | - | - | - | - | - | - | - | - | - |
| Roche cobas c 111 | 1 | 1 | - | - | - | - | - | - | - | - | - |
| Roche Micral - 1 minute | 5 | 3 | - | 1 | - | 1 | - | - | - | - | - |
| Roche Urisys | 1 | 1 | - | - | - | - | - | - | - | - | - |
| Siemens Clinitek Microalbumin | 2 | 1 | 1 | - | - | - | - | - | - | - | - |

## URINALYSIS –URINE hCG

**Specimen UA-1**

| | *Participant Results* | | |
|---|---|---|---|
| ***Method*** | ***Labs*** | ***Positive*** | ***Negative*** |
| ALL METHODS | 101 | - | 101 |
| 77 Elektronika LabUMat/2 | 1 | - | 1 |
| Acon Laboratories | 4 | - | 4 |
| Alere Clearview hCG Cassette | 8 | - | 8 |
| Alere Clearview25 hCG Combo | 2 | - | 2 |
| Alere hCG Cassette | 10 | - | 10 |
| Biotron 1-Step | 1 | - | 1 |
| Medline hCG Test Strip | 1 | - | 1 |
| Other Dipstick Method | 2 | - | 2 |
| Quidel QuickVue One-Step Combo | 18 | - | 18 |
| SD Bioline hCG | 8 | - | 8 |
| Siemens Clinitek Status / Status+ | 10 | - | 10 |
| Stanbio QuStick | 1 | - | 1 |

## MISCELLANEOUS CULTURES

### Specimen BA-1 – CSF Culture

| ***Identification*** | ***Labs*** | ***Percent*** | ***Performance*** |
|---|---|---|---|
| Cronobacter sakazakii | 91 | 81.98% | Acceptable |
| Cronobacter sp. | 3 | 2.70% | Acceptable |
| Enterobacter sp. | 7 | 6.31% | |
| Enterobacter cloacae | 7 | 6.31% | |
| Streptococcus mitis | 1 | 0.90% | |
| Aeromonas sp. | 1 | 0.90% | |
| Klebsiella pneumoniae | 1 | 0.90% | |

Organism(s) present: *Cronobacter sakazakii*.

### Specimen BA-2 – Sputum Culture

| ***Identification*** | ***Labs*** | ***Percent*** | ***Performance*** |
|---|---|---|---|
| Haemophilus parahaemolyticus | 17 | 8.59% | Acceptable |
| Haemophilus sp. | 23 | 11.62% | Acceptable |
| Gram negative bacilli | 6 | 3.03% | Acceptable |
| Enterococcus faecalis | 88 | 44.44% | Acceptable |
| Enterococcus sp. | 11 | 5.56% | Acceptable |
| Gram positive cocci | 1 | 0.51% | Acceptable |
| Streptococcus non-hemolytic | 1 | 0.51% | Acceptable |
| Growth, referred for identification | 1 | 0.51% | Acceptable |
| Haemophilus parainfluenzae | 21 | 10.61% | |
| Haemophilus influenzae | 13 | 6.57% | |
| Enterobacter sp. | 2 | 1.01% | |
| Pasteurella sp. | 2 | 1.01% | |
| Cronobacter sakazakii | 2 | 1.01% | |
| Gram positive bacilli | 1 | 0.51% | |
| Normal flora | 1 | 0.51% | |
| Contaminated specimen | 1 | 0.51% | |
| Other organism, not listed | 1 | 0.51% | |
| Eikenella sp. | 1 | 0.51% | |
| Moraxella sp. | 1 | 0.51% | |
| Proteus mirabilis | 1 | 0.51% | |
| Pseudomonas sp. | 1 | 0.51% | |
| Staph – coagulase neg. | 1 | 0.51% | |
| Streptococcus alpha-hemolytic | 1 | 0.51% | |

Organism(s) present: *Haemophilus parahaemolyticus* and *Enterococcus faecalis.*

**MISCELLANEOUS CULTURES**

**Specimen BA-3 – Wound Culture**

| ***Identification*** | ***Labs*** | ***Percent*** | ***Performance*** |
|---|---|---|---|
| Acinetobacter baumannii | 98 | 59.04% | Acceptable |
| Acinetobacter sp. | 10 | 6.02% | Acceptable |
| Finegoldia magna | 19 | 11.45% | Acceptable |
| Finegoldia sp. | 1 | 0.60% | Acceptable |
| Gram positive cocci | 6 | 3.61% | Acceptable |
| Anaerobe present – would refer | 10 | 6.02% | Acceptable |
| Anaerobe present – no ID | 6 | 3.61% | Acceptable |
| Anaerobic cultures not performed | 5 | 3.01% | Acceptable |
| Growth, referred for identification | 1 | 0.60% | Acceptable |
| Peptostreptococcus sp. | 4 | 2.41% | |
| Staphylococcus sp. | 1 | 0.60% | |
| Staphylococcus aureus | 1 | 0.60% | |
| Staphylococcus epidermidis | 1 | 0.60% | |
| Staphylococcus saprophyticus | 1 | 0.60% | |
| Gram positive bacilli | 1 | 0.60% | |
| Aeromonas hydrophila | 1 | 0.60% | |

Organism(s) present: *Acinetobacter baumannii* and *Finegoldia magna*.

**ANTIMICROBIAL SUSCEPTIBILIY TESTING**

| Specimen UC-1, CC-1 (SUS-1) | ------Disk Diffusion------ | | | | ------MIC------ | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | Interpretative category data | | | | Interpretative category data | | | | |
| ***Antimicrobial*** | ***Labs*** | ***S*** | ***I*** | ***R*** | ***Labs*** | ***S*** | ***I*** | ***R*** | ***Acceptable (%)*** |
| Amikacin | 43 | 40 | 1 | 2 | 124 | 105 | 10 | 9 | 84.88% |
| Amoxicillin/Clavulanate | 3 | - | - | 3 | 7 | - | - | 7 | Inappropriate drug[1] |
| Ampicillin | 3 | - | - | 3 | 19 | - | - | 19 | Inappropriate drug[1] |
| Ampicillin/Sulbactam | 3 | - | - | 3 | 16 | - | - | 16 | Inappropriate drug[1] |
| Aztreonam | 23 | 22 | - | 1 | 38 | 36 | - | 2 | 93.55% |
| Carbenicillin | - | - | - | - | 1 | - | - | 1 | Inappropriate drug[1] |
| Cefaclor | 2 | - | - | 2 | 1 | - | - | 1 | Inappropriate drug[1] |
| Cefamandole | - | - | - | - | 1 | 1 | - | - | Inappropriate drug[1] |
| Cefazolin | 1 | - | - | 1 | 16 | - | - | 16 | Inappropriate drug[1] |
| Cefepime | 35 | 30 | 1 | 4 | 141 | 135 | 4 | 2 | 93.41% |
| Cefixime | 4 | - | - | 4 | 2 | 1 | - | 1 | Inappropriate drug[1] |
| Cefoperazone | 7 | 7 | - | - | 2 | 1 | - | 1 | Inappropriate drug[1] |
| Cefotaxime | 5 | 1 | 2 | 2 | 16 | 1 | 1 | 14 | Inappropriate drug[1] |
| Cefotetan | - | - | - | - | 2 | 1 | - | 1 | Inappropriate drug[1] |
| Cefoxitin | - | - | - | - | 7 | - | - | 7 | Inappropriate drug[1] |
| Cefpodoxime | - | - | - | - | 3 | 1 | - | 2 | Inappropriate drug[1] |
| Ceftazidime | 42 | 35 | 1 | 6 | 139 | 136 | 1 | 2 | 94.57% |
| Ceftizoxime | - | - | - | - | 2 | 1 | - | 1 | Inappropriate drug[1] |
| Ceftriaxone | 11 | 6 | - | 5 | 17 | 1 | 1 | 15 | Inappropriate drug[1] |
| Cefuroxime | 4 | - | - | 4 | 9 | - | - | 9 | Inappropriate drug[1] |
| Cephalexin | 3 | 1 | - | 2 | 3 | 1 | - | 2 | Inappropriate drug[1] |
| Cephalothin | 1 | 1 | - | - | 4 | 1 | - | 3 | Inappropriate drug[1] |
| Ciprofloxacin | 46 | 26 | 18 | 2 | 145 | 51 | 86 | 8 | 93.37% |
| Colistin | 5 | 5 | - | - | 22 | 20 | 1 | 1 | 92.59% |
| Daptomycin | - | - | - | - | 1 | 1 | - | - | Inappropriate drug[1] |
| Doripenem | 4 | 4 | - | - | 17 | 17 | - | - | 100.00% |
| Doxycycline | - | - | - | - | 1 | - | - | 1 | Inappropriate drug[1] |
| Ertapenem | 1 | 1 | - | - | 8 | 1 | - | 7 | Inappropriate drug[1] |
| Fosfomycin | 2 | - | 1 | 1 | 8 | 6 | - | 2 | Inappropriate drug[1] |
| Gatifloxacin | 1 | - | 1 | - | 2 | 1 | 1 | - | 100% |

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

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

| **Specimen UC-1, CC-1 (SUS-1)** | ***------Disk Diffusion------*** | | | | ***------MIC------*** | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | ***Interpretative category data*** | | | | ***Interpretative category data*** | | | | |
| ***Antimicrobial*** | ***Labs*** | ***S*** | ***I*** | ***R*** | ***Labs*** | ***S*** | ***I*** | ***R*** | ***Acceptable (%)*** |
| Gentamicin | 39 | 25 | 8 | 6 | 113 | 10 | 74 | 29 | 81.71% |
| Imipenem | 33 | 33 | - | - | 110 | 110 | - | - | 99.32% |
| Kanamycin | - | - | - | - | 2 | 2 | - | - | Inappropriate drug[1] |
| Levofloxacin | 20 | 6 | 3 | 11 | 64 | 12 | 26 | 26 | 80.54% |
| Meropenem | 33 | 33 | - | - | 117 | 115 | 1 | 1 | 98.68% |
| Nalidixic Acid | 2 | - | 1 | 1 | 4 | - | - | 4 | Inappropriate drug[1] |
| Netilmicin | 8 | 7 | 1 | - | 2 | 2 | - | - | 100.00% |
| Nitrofurantoin | 10 | - | - | 10 | 22 | 1 | - | 21 | Inappropriate drug[1] |
| Norfloxacin | 15 | 12 | 2 | 1 | 21 | 13 | 6 | 2 | 89.44% |
| Ofloxacin | 10 | - | - | 10 | - | - | - | - | 100.00% |
| Penicillin | 1 | - | - | 1 | 1 | 1 | - | - | Inappropriate drug[1] |
| Piperacillin | 2 | 1 | - | 1 | 9 | 8 | - | 1 | 83.33% |
| Piperacillin/Tazobactam | 30 | 30 | - | - | 105 | 98 | 6 | 1 | 99.28% |
| Sulfisoxazole | - | - | - | - | 1 | 1 | - | - | Inappropriate drug[1] |
| Tetracycline | 1 | - | - | 1 | 1 | - | - | 1 | Inappropriate drug[1] |
| Ticarcillin | - | - | - | - | 4 | 4 | - | - | Inappropriate drug[1] |
| Ticarcillin/Clavulanate | 1 | 1 | - | - | 5 | 5 | - | - | 100% |
| Tigecycline | - | - | - | - | 2 | - | - | 2 | Inappropriate drug[1] |
| Tobramycin | 8 | 7 | - | 1 | 34 | 33 | 1 | - | 95.35% |
| Trimethoprim | - | - | - | - | 2 | - | - | 2 | Inappropriate drug[1] |
| Trimethoprim/Sulfamethoxazole | 7 | - | - | 7 | 20 | - | - | 20 | Inappropriate drug[1] |

Organism(s) present: *Pseudomonas aeruginosa.*

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-1

| *Identification* | *Labs* | *Percent* | *Performance* |
|---|---|---|---|
| Protozoan seen but no ID | 1 | 12.50% | Acceptable |
| Endolimax nana | 1 | 12.50% | Acceptable |
| Entamoeba histolytica | 3 | 37.50% | |
| Entamoeba hartmanni | 1 | 12.50% | |
| No parasite seen | 1 | 12.50% | |
| Cryptosporidium sp., oocysts | 1 | 12.50% | |

Parasite(s) present: *Endolimax nana*. This is an ungraded challenge due to less than 80% participant consensus.

### Specimen PA-2

| *Identification* | *Labs* | *Percent* | *Performance* |
|---|---|---|---|
| Giardia lamblia | 5 | 83.33% | Acceptable |
| No parasite seen | 1 | 16.67% | |

Parasite(s) present: *Giardia lamblia.* This specimen is graded to US statistics.

### Specimen PA-3

| *Identification* | *Labs* | *Percent* | *Performance* |
|---|---|---|---|
| Ascaris lumbricoides eggs | 20 | 52.63% | Acceptable |
| Trichuris trichiura eggs | 18 | 47.37% | Acceptable |

Parasite(s) present: *Ascaris lumbricoides eggs* and *Trichuris trichiura eggs.*

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

**Specimen PA-4**

| ***Identification*** | ***Labs*** | ***Percent*** | ***Performance*** |
|---|---|---|---|
| Schistosoma haematobium eggs | 18 | 81.82% | Acceptable |
| Schistosoma sp. eggs | 2 | 9.09% | Acceptable |
| Schistosoma japonicum eggs | 1 | 4.55% | |
| Giardia lamblia | 1 | 4.55% | |

Parasite(s) present: *Schistosoma haematobium eggs.*

**Specimen PA-5**

| ***Identification*** | ***Labs*** | ***Percent*** | ***Performance*** |
|---|---|---|---|
| Trypanosoma sp. | 14 | 66.67% | Acceptable |
| Trypanosoma cruzi | 6 | 28.57% | Acceptable |
| Leishmania sp. | 1 | 4.76% | |

Parasite(s) present: *Trypanosoma cruzi*.

## PARASITOLOGY (FP Specimens)

### Specimen FP-1

| ***Identification*** | ***Labs*** | ***Percent*** | ***Performance*** |
|---|---|---|---|
| Ascaris lumbricoides eggs | 227 | 42.27% | Acceptable |
| Entamoeba coli | 158 | 29.42% | Acceptable |
| Entamoeba histolytica | 75 | 13.97% | Acceptable |
| Parasite egg seen but no ID | 1 | 0.19% | Acceptable |
| Endolimax nana | 28 | 5.21% | |
| Blastocystis hominis | 22 | 4.10% | |
| Iodamoeba buetschlii | 18 | 3.35% | |
| Entamoeba hartmanni | 3 | 0.56% | |
| Giardia lamblia | 1 | 0.19% | |
| Balantidium coli | 1 | 0.19% | |
| Strongyloides stercoralis larvae | 1 | 0.19% | |
| Taenia sp. eggs | 1 | 0.19% | |
| No parasite seen | 1 | 0.19% | |

Parasite(s) present: *Ascaris lumbricoides, Entamoeba coli* and *Entamoeba histolytica*.

### Specimen FP-2

| ***Identification*** | ***Labs*** | ***Percent*** | ***Performance*** |
|---|---|---|---|
| Giardia lamblia | 257 | 94.80% | Acceptable |
| Protozoan seen but no ID | 1 | 0.40% | Acceptable |
| No parasite seen | 4 | 1.60% | |
| Blastocystis hominis | 2 | 0.80% | |
| Endolimax nana | 2 | 0.80% | |
| Entamoeba coli | 1 | 0.40% | |
| Entamoeba histolytica | 1 | 0.40% | |
| Hookworm | 1 | 0.40% | |
| Parasite egg seen but no ID | 1 | 0.40% | |

Parasite(s) present: *Giardia lamblia*.

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

**Specimen FP-3**

| ***Identification*** | ***Labs*** | ***Percent*** | ***Performance*** |
|---|---|---|---|
| No parasite seen | 237 | 96.73% | Acceptable |
| Strongyloides stercoralis larvae | 3 | 1.22% | |
| Giardia lamblia | 2 | 0.82% | |
| Hookworm | 2 | 0.82% | |
| Ascaris lumbricoides eggs | 1 | 0.41% | |

Parasite(s) present: No parasite seen.

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

**Specimen FP-4**

| ***Identification*** | ***Labs*** | ***Percent*** | ***Performance*** |
|---|---|---|---|
| Taenia sp. eggs | 215 | 70.26% | Acceptable |
| Blastocystis hominis | 43 | 14.05% | Acceptable |
| Parasite egg seen but no ID | 1 | 0.33% | Acceptable |
| Endolimax nana | 11 | 3.59% | |
| Ascaris lumbricoides eggs | 9 | 2.94% | |
| No parasite seen | 7 | 2.29% | |
| Entamoeba histolytica | 5 | 1.63% | |
| Hymenolepis diminuta eggs | 4 | 1.31% | |
| Hymenolepis nana eggs | 2 | 0.65% | |
| Entamoeba hartmanni | 2 | 0.65% | |
| Giardia lamblia | 2 | 0.65% | |
| Fasciola hepatica eggs | 1 | 0.33% | |
| Iodamoeba buetschlii | 1 | 0.33% | |
| Entamoeba coli | 1 | 0.33% | |
| Chilomastix mesnili | 1 | 0.33% | |
| Cryptosporidium sp., oocysts | 1 | 0.33% | |

Parasite(s) present: *Taenia sp. eggs* and *Blastocystis hominis*.

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

**Specimen FP-5**

| ***Identification*** | ***Labs*** | ***Percent*** | ***Performance*** |
|---|---|---|---|
| Microfilaria seen but no ID | 65 | 26.64% | Acceptable |
| Microfilaria sheathed | 38 | 15.57% | Acceptable |
| Brugia malayi | 17 | 6.97% | Acceptable |
| Wuchereria bancrofti | 69 | 28.28% | |
| No parasite seen | 28 | 11.48% | |
| Microfilaria, unsheathed | 8 | 3.28% | |
| Loa loa | 5 | 2.05% | |
| Onchocerca volvulus | 4 | 1.64% | |
| Plasmodium falciparum | 2 | 0.82% | |
| Plasmodium vivax | 1 | 0.41% | |
| Trypanosoma sp. | 1 | 0.41% | |
| Trypanosoma cruzi | 1 | 0.41% | |
| Plasmodium sp. | 1 | 0.41% | |
| Mansonella ozzardi | 1 | 0.41% | |

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

## Antinuclear Antibody (ANA) - Qualitative

| Method | Specimen AE-1 Positive | Specimen AE-1 Negative | Specimen AE-2 Positive | Specimen AE-2 Negative | Specimen AE-3 Positive | Specimen AE-3 Negative |
|---|---|---|---|---|---|---|
| ALL METHODS | 17 | 2 | 1 | 18 | - | 19 |
| Bio-Rad | 1 | - | - | 1 | - | 1 |
| BioSystems | 2 | - | - | 2 | - | 2 |
| Immuno Concepts | 3 | - | - | 3 | - | 3 |
| INOVA Diagnostics | 5 | 2 | 1 | 6 | - | 7 |
| Kallestad | 2 | - | - | 2 | - | 2 |
| Zeus | 1 | - | - | 1 | - | 1 |

| Method | Specimen AE-4 Positive | Specimen AE-4 Negative | Specimen AE-5 Positive | Specimen AE-5 Negative |
|---|---|---|---|---|
| ALL METHODS | 17 | 2 | v | 2 |
| Bio-Rad | 1 | - | 2 | - |
| BioSystems | 2 | - | 2 | - |
| Immuno Concepts | 2 | 1 | 1 | - |
| INOVA Diagnostics | 6 | 1 | 4 | 2 |
| Kallestad | 2 | - | 1 | - |
| Zeus | 1 | - | 1 | - |

## Antinuclear Antibody (ANA)—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-1** | | | | | | | | | | | | |
| ALL METHODS | 2 | 1 | - | - | - | 3 | 5 | 1 | - | 1 | - | - |
| Immuno Concepts | - | - | - | - | - | - | 2 | - | - | - | - | - |
| INOVA Diagnostics | 2 | 1 | - | - | - | 1 | 1 | - | - | 1 | - | - |
| Kallestad | - | - | - | - | - | - | 2 | - | - | - | - | - |
| Zeus | - | - | - | - | - | 1 | - | - | - | - | - | - |

**Antinuclear Antibody (ANA)—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-2** | | | | | | | | | | | | |
| ALL METHODS | 12 | - | - | - | - | - | - | 1 | - | - | - | - |
| Immuno Concepts | 2 | - | - | - | - | - | - | - | - | - | - | - |
| INOVA Diagnostics | 5 | - | - | - | - | - | - | 1 | - | - | - | - |
| Kallestad | 2 | - | - | - | - | - | - | - | - | - | - | - |
| Zeus | 1 | - | - | - | - | - | - | - | - | - | - | - |
| **Specimen AE-3** | | | | | | | | | | | | |
| ALL METHODS | 13 | - | - | - | - | - | - | - | - | - | - | - |
| Immuno Concepts | 2 | - | - | - | - | - | - | - | - | - | - | - |
| INOVA Diagnostics | 6 | - | - | - | - | - | - | - | - | - | - | - |
| Kallestad | 2 | - | - | - | - | - | - | - | - | - | - | - |
| Zeus | 1 | - | - | - | - | - | - | - | - | - | - | - |
| **Specimen AE-4** | | | | | | | | | | | | |
| ALL METHODS | 1 | - | - | - | - | - | 1 | 3 | 2 | 4 | 2 | - |
| Immuno Concepts | - | - | - | - | - | - | - | 2 | - | - | - | - |
| INOVA Diagnostics | 1 | - | - | - | - | - | 1 | - | 1 | 2 | 1 | - |
| Kallestad | - | - | - | - | - | - | - | 1 | - | - | 1 | - |
| Zeus | - | - | - | - | - | - | - | - | - | 1 | - | - |
| **Specimen AE-5** | | | | | | | | | | | | |
| ALL METHODS | 12 | - | - | - | - | - | 1 | - | - | - | - | - |
| Immuno Concepts | 2 | - | - | - | - | - | - | - | - | - | - | - |
| INOVA Diagnostics | 5 | - | - | - | - | - | 1 | - | - | - | - | - |
| Kallestad | 2 | - | - | - | - | - | - | - | - | - | - | - |
| Zeus | 1 | - | - | - | - | - | - | - | - | - | - | - |

**Anti-dsDNA**

| | Specimen AE-1 | | Specimen AE-2 | | Specimen AE-3 | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** |
| ALL METHODS | 17 | 1 | 1 | 17 | - | 18 |
| BioSystems | 2 | - | - | 2 | - | 2 |
| INOVA Diagnostics | 8 | 1 | 1 | 8 | - | 9 |
| Kallestad | 1 | - | - | 1 | - | 1 |
| Zeus | 1 | - | - | 1 | - | 1 |

| | Specimen AE-4 | | Specimen AE-5 | |
|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** |
| ALL METHODS | 1 | 17 | 1 | 17 |
| BioSystems | - | 2 | - | 2 |
| INOVA Diagnostics | 1 | 8 | 1 | 8 |
| Kallestad | - | 1 | - | 1 |
| Zeus | - | 1 | - | 1 |

**Anti-RNP**

| | Specimen AE-1 | | Specimen AE-2 | | Specimen AE-3 | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** |
| ALL METHODS | 8 | 4 | - | 12 | 1 | 11 |
| INOVA Diagnostics | 8 | 1 | - | 9 | 1 | 8 |

| | Specimen AE-4 | | Specimen AE-5 | |
|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** |
| ALL METHODS | 11 | 1 | - | 12 |
| INOVA Diagnostics | 8 | 1 | - | 9 |

Specimen AE-1 is an ungraded challenge due to less than 80% participant consensus

**Anti-RNP/Sm**

| Method | Specimen AE-1 Positive | Specimen AE-1 Negative | Specimen AE-2 Positive | Specimen AE-2 Negative | Specimen AE-3 Positive | Specimen AE-3 Negative |
|---|---|---|---|---|---|---|
| ALL METHODS | 1 | 5 | - | 6 | - | 6 |

| Method | Specimen AE-4 Positive | Specimen AE-4 Negative | Specimen AE-5 Positive | Specimen AE-5 Negative |
|---|---|---|---|---|
| ALL METHODS | 5 | 1 | - | 6 |

**Anti-SSA**

| Method | Specimen AE-1 Positive | Specimen AE-1 Negative | Specimen AE-2 Positive | Specimen AE-2 Negative | Specimen AE-3 Positive | Specimen AE-3 Negative |
|---|---|---|---|---|---|---|
| ALL METHODS | 17 | - | - | 17 | - | 17 |
| Immuno Concepts | 1 | - | - | 1 | - | 1 |
| INOVA Diagnostics | 8 | - | - | 8 | - | 8 |

| Method | Specimen AE-4 Positive | Specimen AE-4 Negative | Specimen AE-5 Positive | Specimen AE-5 Negative |
|---|---|---|---|---|
| ALL METHODS | - | 17 | - | 17 |
| Immuno Concepts | - | 1 | - | 1 |
| INOVA Diagnostics | - | 8 | - | 8 |

**Anti-SSB**

| ***Method*** | **Specimen AE-1** | | **Specimen AE-2** | | **Specimen AE-3** | |
|---|---|---|---|---|---|---|
| | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** |
| ALL METHODS | - | 18 | - | 18 | - | 18 |
| INOVA Diagnostics | - | 10 | - | 10 | - | 10 |

| ***Method*** | **Specimen AE-4** | | **Specimen AE-5** | |
|---|---|---|---|---|
| | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** |
| ALL METHODS | - | 18 | - | 17 |
| INOVA Diagnostics | - | 10 | - | 9 |

**Anti-SSA/SSB**

| ***Method*** | **Specimen AE-1** | | **Specimen AE-2** | | **Specimen AE-3** | |
|---|---|---|---|---|---|---|
| | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** |
| ALL METHODS | - | - | - | - | - | - |

| ***Method*** | **Specimen AE-4** | | **Specimen AE-5** | |
|---|---|---|---|---|
| | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** |
| ALL METHODS | - | - | - | - |

**Anti-Sm**

| ***Method*** | **Specimen AE-1** | | **Specimen AE-2** | | **Specimen AE-3** | |
|---|---|---|---|---|---|---|
| | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** |
| ALL METHODS | - | 18 | - | 18 | - | 18 |
| INOVA Diagnostics | - | 10 | - | 10 | - | 10 |

| ***Method*** | **Specimen AE-4** | | **Specimen AE-5** | |
|---|---|---|---|---|
| | ***Positive*** | ***Negative*** | ***Positive*** | ***Negative*** |
| ALL METHODS | 5 | 13 | - | 18 |
| INOVA Diagnostics | 5 | 5 | - | 10 |

Specimen AE-4 is an ungraded challenge due to less than 80% participant consensus.

**Rubella—Qualitative**

| *Method* | Specimen RU-1 *Positive* | Specimen RU-1 *Negative* | Specimen RU-2 *Positive* | Specimen RU-2 *Negative* | Specimen RU-3 *Positive* | Specimen RU-3 *Negative* |
|---|---|---|---|---|---|---|
| ALL METHODS | 15 | 2 | - | 17 | - | 17 |
| Abbott Architect | 11 | 2 | - | 13 | - | 13 |
| Roche cobas 6000 / e 601 | 1 | - | - | 1 | - | 1 |
| Roche cobas e 411 | 1 | - | - | 1 | - | 1 |
| Siemens ADVIA Centaur | 1 | - | - | 1 | - | 1 |
| VITROS ECi | 1 | - | - | 1 | - | 1 |

| *Method* | Specimen RU-4 *Positive* | Specimen RU-4 *Negative* | Specimen RU-5 *Positive* | Specimen RU-5 *Negative* |
|---|---|---|---|---|
| ALL METHODS | - | 17 | 15 | 2 |
| Abbott Architect | - | 13 | 11 | 2 |
| Roche cobas 6000 / e 601 | - | 1 | 1 | - |
| Roche cobas e 411 | - | 1 | 1 | - |
| Siemens ADVIA Centaur | - | 1 | 1 | - |
| VITROS ECi | - | 1 | 1 | - |

**Rubella—Quantitative (IU/mL)**

| *Specimen/Method* | *Labs* | *Mean* | *SD* | *CV* | *Median* | *Range* |
|---|---|---|---|---|---|---|
| **Specimen RU-1** | | | | | | |
| All Method | 19 | 54.03 | 45.87 | 84.9 | 26.0 | 0.0 - 191.7 |
| Abbott Architect | 12 | 24.42 | 2.04 | 8.4 | 25.3 | 18.2 - 30.6 |
| **Specimen RU-2** | | | | | | |
| All Method | 18 | 0.04 | 0.08 | 175.6 | 0.0 | 0.0 - 0.3 |
| Abbott Architect | 11 | 0.00 | 0.01 | 0.0 | 0.0 | 0.0 - 0.1 |
| **Specimen RU-3** | | | | | | |
| All Method | 19 | 0.06 | 0.09 | 166.7 | 0.0 | 0.0 - 0.4 |
| Abbott Architect | 11 | 0.00 | 0.01 | 0.0 | 0.0 | 0.0 - 0.1 |
| **Specimen RU-4** | | | | | | |
| All Method | 20 | 0.24 | 0.61 | 254.3 | 0.0 | 0.0 - 2.1 |
| Abbott Architect | 11 | 0.00 | 0.01 | 0.0 | 0.0 | 0.0 - 0.1 |
| **Specimen RU-5** | | | | | | |
| All Method | 19 | 55.27 | 47.91 | 86.7 | 26.1 | 0.0 - 199.0 |
| Abbott Architect | 12 | 24.39 | 1.61 | 6.6 | 24.7 | 19.5 - 29.3 |

**Syphilis Serology—Qualitative: VDRL Slide**

| | Specimen SY-1 | | | Specimen SY-2 | | | Specimen SY-3 | | |
|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Reactive*** | ***Weakly Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Weakly Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Weakly Reactive*** | ***Non-Reactive*** |
| ALL METHODS | 45 | - | - | - | - | 45 | 45 | - | - |
| Abbott Architect | 2 | - | - | - | - | 2 | 2 | - | - |
| Acon Laboratories | 1 | - | - | - | - | 1 | 1 | - | - |
| Human | 1 | - | - | - | - | 1 | 1 | - | - |
| Omega Diagnostics | 1 | - | - | - | - | 1 | 1 | - | - |
| Plasmatec | 3 | - | - | - | - | 3 | 3 | - | - |
| SPINREACT | 4 | - | - | - | - | 4 | 4 | - | - |
| Standard Diagnostics | 1 | - | - | - | - | 1 | 1 | - | - |
| Wiener Lab | 27 | - | - | - | - | 27 | 27 | - | - |

| | Specimen SY-4 | | | Specimen SY-5 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Reactive*** | ***Weakly Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Weakly Reactive*** | ***Non-Reactive*** |
| ALL METHODS | 44 | 1 | - | - | - | 45 |
| Abbott Architect | 2 | - | - | - | - | 2 |
| Acon Laboratories | 1 | - | - | - | - | 1 |
| Human | 1 | - | - | - | - | 1 |
| Omega Diagnostics | 1 | - | - | - | - | 1 |
| Plasmatec | 3 | - | - | - | - | 3 |
| SPINREACT | 4 | - | - | - | - | 4 |
| Standard Diagnostics | 1 | - | - | - | - | 1 |
| Wiener Lab | 26 | 1 | - | - | - | 27 |

**Syphilis Serology—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-1** | | | | | | | | | |
| ALL METHODS | - | - | 1 | 4 | 14 | 17 | 2 | 1 | - |
| Plasmatec | - | - | - | - | 2 | 1 | - | - | - |
| SPINREACT | - | - | - | - | 1 | - | - | - | - |
| Wiener Lab | - | - | 1 | 3 | 10 | 13 | 1 | 1 | - |
| **Specimen SY-2** | | | | | | | | | |
| ALL METHODS | 38 | - | - | 1 | - | - | - | - | - |
| Plasmatec | 3 | - | - | - | - | - | - | - | - |
| SPINREACT | 1 | - | - | - | - | - | - | - | - |
| Wiener Lab | 28 | - | - | 1 | - | - | - | - | - |
| **Specimen SY-3** | | | | | | | | | |
| ALL METHODS | - | 1 | 3 | 11 | 20 | 3 | - | - | 1 |
| Plasmatec | - | - | - | 2 | 1 | - | - | - | - |
| SPINREACT | - | - | - | 1 | - | - | - | - | - |
| Wiener Lab | - | 1 | 2 | 8 | 15 | 2 | - | - | 1 |

**Syphilis Serology—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-4** | | | | | | | | | |
| ALL METHODS | 1 | 1 | 3 | 13 | 17 | 2 | 1 | 1 | - |
| Plasmatec | - | - | - | 2 | 1 | - | - | - | - |
| SPINREACT | - | - | - | 1 | - | - | - | - | - |
| Wiener Lab | 1 | 1 | 2 | 9 | 14 | 1 | - | 1 | - |
| **Specimen SY-5** | | | | | | | | | |
| ALL METHODS | 39 | - | - | - | - | - | - | - | - |
| Plasmatec | 3 | - | - | - | - | - | - | - | - |
| SPINREACT | 1 | - | - | - | - | - | - | - | - |
| Wiener Lab | 29 | - | - | - | - | - | - | - | - |

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

| | Specimen SY-1 | | Specimen SY-2 | | Specimen SY-3 | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Non-Reactive*** |
| ALL METHODS | 19 | - | 2 | 17 | 19 | - |
| Abbott Architect | 3 | - | - | 3 | 3 | - |
| Biokit | 1 | - | - | 1 | 1 | - |
| Human | 1 | - | - | 1 | 1 | - |
| Plasmatec | 5 | - | - | 5 | 5 | - |
| Serodia | 3 | - | 1 | 2 | 3 | - |
| SPINREACT | 1 | - | - | 1 | 1 | - |
| Wiener Lab | 2 | - | - | 2 | 2 | - |

| | Specimen SY-4 | | Specimen SY-5 | |
|---|---|---|---|---|
| | ***Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Non-Reactive*** |
| ALL METHODS | 19 | - | - | 19 |
| Abbott Architect | 3 | - | - | 3 |
| Biokit | 1 | - | - | 1 |
| Human | 1 | - | - | 1 |
| Plasmatec | 5 | - | - | 5 |
| Serodia | 3 | - | - | 3 |
| SPINREACT | 1 | - | - | 1 |
| Wiener Lab | 2 | - | - | 2 |

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

| | Specimen SY-1 | | Specimen SY-2 | | Specimen SY-3 | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Non-Reactive*** |
| ALL METHODS | 45 | - | - | 45 | 45 | - |
| Abbott Architect | 9 | - | - | 9 | 9 | - |
| bioMerieux | 1 | - | - | 1 | 1 | - |
| Human | 2 | - | - | 2 | 2 | - |
| Plasmatec | 3 | - | - | 3 | 3 | - |
| Roche cobas 6000 / c 501 | 2 | - | - | 2 | 2 | - |
| Roche cobas e 411 | 1 | - | - | 1 | 1 | - |
| Serodia | 9 | - | - | 9 | 9 | - |
| Siemens ADVIA Centaur | 1 | - | - | 1 | 1 | - |
| SPINREACT | 1 | - | - | 1 | 1 | - |
| Standard Diagnostics | 5 | - | - | 5 | 5 | - |
| Wiener Lab | 1 | - | - | 1 | 1 | - |
| Zeus | 1 | - | - | 1 | 1 | - |

| | Specimen SY-4 | | Specimen SY-5 | |
|---|---|---|---|---|
| | ***Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Non-Reactive*** |
| ALL METHODS | 45 | - | - | 45 |
| Abbott Architect | 9 | - | - | 9 |
| bioMerieux | 1 | - | - | 1 |
| Human | 2 | - | - | 2 |
| Plasmatec | 3 | - | - | 3 |
| Roche cobas 6000 / c 501 | 2 | - | - | 2 |
| Roche cobas e 411 | 1 | - | - | 1 |
| Serodia | 9 | - | - | 9 |
| Siemens ADVIA Centaur | 1 | - | - | 1 |
| SPINREACT | 1 | - | - | 1 |
| Standard Diagnostics | 5 | - | - | 5 |
| Wiener Lab | 1 | - | - | 1 |
| Zeus | 1 | - | - | 1 |

**Syphilis Serology—Qualitative: RPR**

| | Specimen SY-1 | | Specimen SY-2 | | Specimen SY-3 | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Non-Reactive*** |
| ALL METHODS | 80 | 1 | 2 | 79 | 80 | 1 |
| Abbott Architect | 1 | - | - | 1 | 1 | - |
| Becton Dickinson | 1 | - | - | 1 | 1 | - |
| bioMerieux | 5 | - | 1 | 4 | 5 | - |
| BioSystems | 13 | - | - | 13 | 13 | - |
| Human | 8 | - | - | 8 | 8 | - |
| Omega Diagnostics | 11 | - | - | 11 | 11 | - |
| Plasmatec | 16 | - | 1 | 15 | 16 | - |
| Pulse Scientific | 1 | - | - | 1 | 1 | - |
| SPINREACT | 18 | - | - | 18 | 18 | - |
| Standard Diagnostics | 1 | - | - | 1 | 1 | - |

| | Specimen SY-4 | | Specimen SY-5 | |
|---|---|---|---|---|
| | ***Reactive*** | ***Non-Reactive*** | ***Reactive*** | ***Non-Reactive*** |
| ALL METHODS | 80 | 1 | 1 | 80 |
| Abbott Architect | 1 | - | - | 1 |
| Becton Dickinson | 1 | - | - | 1 |
| bioMerieux | 5 | - | - | 5 |
| BioSystems | 13 | - | - | 13 |
| Human | 8 | - | - | 8 |
| Omega Diagnostics | 11 | - | - | 11 |
| Plasmatec | 16 | - | - | 16 |
| Pulse Scientific | 1 | - | 1 | - |
| SPINREACT | 18 | - | - | 18 |
| Standard Diagnostics | 1 | - | - | 1 |

## Syphilis Serology—Quantitative: RPR (Titer)

| *Specimen/Method* | *N/A (Neg)* | *1* | *2* | *4* | *8* | *16* | *32* | *64* | *>64* |
|---|---|---|---|---|---|---|---|---|---|
| **Specimen SY-1** | | | | | | | | | |
| ALL METHODS | 1 | 1 | 11 | 33 | 17 | 5 | - | 1 | - |
| Becton Dickinson | - | - | - | - | 1 | - | - | - | - |
| bioMerieux | - | - | - | 2 | 1 | 1 | - | - | - |
| BioSystems | - | 1 | 2 | 3 | 5 | - | - | - | - |
| Human | - | - | 1 | 6 | 1 | - | - | - | - |
| Omega Diagnostics | 1 | - | 2 | 5 | 1 | 1 | - | - | - |
| Plasmatec | - | - | 1 | 7 | 3 | 1 | - | 1 | - |
| Pulse Scientific | - | - | - | 1 | - | - | - | - | - |
| SPINREACT | - | - | 2 | 8 | 4 | 2 | - | - | - |
| Wiener Lab | - | - | - | - | 1 | - | - | - | - |
| **Specimen SY-2** | | | | | | | | | |
| ALL METHODS | 67 | 1 | 1 | - | - | - | - | - | - |
| Becton Dickinson | 1 | - | - | - | - | - | - | - | - |
| bioMerieux | 3 | - | 1 | - | - | - | - | - | - |
| BioSystems | 11 | - | - | - | - | - | - | - | - |
| Human | 8 | - | - | - | - | - | - | - | - |
| Omega Diagnostics | 10 | - | - | - | - | - | - | - | - |
| Plasmatec | 12 | 1 | - | - | - | - | - | - | - |
| Pulse Scientific | 1 | - | - | - | - | - | - | - | - |
| SPINREACT | 16 | - | - | - | - | - | - | - | - |
| Wiener Lab | 1 | - | - | - | - | - | - | - | - |

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

| ***Specimen/Method*** | ***N/A (Neg)*** | ***1*** | ***2*** | ***4*** | ***8*** | ***16*** | ***32*** | ***64*** | ***>64*** |
|---|---|---|---|---|---|---|---|---|---|
| **Specimen SY-3** | | | | | | | | | |
| ALL METHODS | 1 | 4 | 31 | 23 | 7 | 1 | 1 | 1 | - |
| Becton Dickinson | - | - | - | 1 | - | - | - | - | - |
| bioMerieux | - | - | 2 | - | 1 | - | 1 | - | - |
| BioSystems | - | 1 | 5 | 4 | 1 | - | - | - | - |
| Human | - | - | 5 | 3 | - | - | - | - | - |
| Omega Diagnostics | 1 | 1 | 3 | 3 | 1 | 1 | - | - | - |
| Plasmatec | - | - | 6 | 5 | 1 | - | - | 1 | - |
| Pulse Scientific | - | - | 1 | - | - | - | - | - | - |
| SPINREACT | - | - | 7 | 6 | 3 | - | - | - | - |
| Wiener Lab | - | - | - | 1 | - | - | - | - | - |
| **Specimen SY-4** | | | | | | | | | |
| ALL METHODS | 1 | 7 | 28 | 26 | 5 | 1 | - | 1 | - |
| Becton Dickinson | - | - | - | 1 | - | - | - | - | - |
| bioMerieux | - | - | 2 | - | 1 | 1 | - | - | - |
| BioSystems | - | 3 | 4 | 4 | - | - | - | - | - |
| Human | - | 1 | 3 | 4 | - | - | - | - | - |
| Omega Diagnostics | 1 | 1 | 3 | 4 | 1 | - | - | - | - |
| Plasmatec | - | - | 6 | 6 | - | - | - | 1 | - |
| Pulse Scientific | - | - | 1 | - | - | - | - | - | - |
| SPINREACT | - | - | 7 | 6 | 3 | - | - | - | - |
| Wiener Lab | - | - | - | 1 | - | - | - | - | - |

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

| *Specimen/Method* | *N/A (Neg)* | *1* | *2* | *4* | *8* | *16* | *32* | *64* | *>64* |
|---|---|---|---|---|---|---|---|---|---|
| **Specimen SY-5** | | | | | | | | | |
| ALL METHODS | 69 | - | - | - | - | - | - | - | - |
| Becton Dickinson | 1 | - | - | - | - | - | - | - | - |
| bioMerieux | 4 | - | - | - | - | - | - | - | - |
| BioSystems | 11 | - | - | - | - | - | - | - | - |
| Human | 8 | - | - | - | - | - | - | - | - |
| Omega Diagnostics | 10 | - | - | - | - | - | - | - | - |
| Plasmatec | 13 | - | - | - | - | - | - | - | - |
| Pulse Scientific | 1 | - | - | - | - | - | - | - | - |
| SPINREACT | 16 | - | - | - | - | - | - | - | - |
| Wiener Lab | 1 | - | - | - | - | - | - | - | - |

**Viral Markers – Anti-HBc (IgM)**

| | Specimen VM-1 | | | Specimen VM-2 | | | Specimen VM-3 | | |
|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | - | 49 | - | 3 | 46 | - | 30 | 18 | 1 |
| Abbott Architect | - | 24 | - | 1 | 23 | - | 23 | 1 | - |
| Beckman ACCESS / 2 / DxI | - | 1 | - | - | 1 | - | 1 | - | - |
| bioMerieux Vidas, Mini Vidas | - | 1 | - | - | 1 | - | 1 | - | - |
| Roche cobas 6000 / e 601 | - | 12 | - | - | 12 | - | - | 12 | - |
| Roche cobas e 411 | - | 2 | - | - | 2 | - | - | 2 | - |
| Roche Modular Analytics | - | 1 | - | - | 1 | - | - | 1 | - |
| Siemens ADVIA Centaur | - | 1 | - | - | 1 | - | 1 | - | - |
| VITROS 3600/4600/5600 | - | 3 | - | - | 3 | - | - | 2 | 1 |
| VITROS ECi | - | 1 | - | 1 | - | - | 1 | - | - |

| | Specimen VM-4 | | | Specimen VM-5 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 5 | 44 | - | - | 49 | - |
| Abbott Architect | 2 | 22 | - | - | 24 | - |
| Beckman ACCESS / 2 / DxI | - | 1 | - | - | 1 | - |
| bioMerieux Vidas, Mini Vidas | - | 1 | - | - | 1 | - |
| Roche cobas 6000 / e 601 | 1 | 11 | - | - | 12 | - |
| Roche cobas e 411 | - | 2 | - | - | 2 | - |
| Roche Modular Analytics | - | 1 | - | - | 1 | - |
| Siemens ADVIA Centaur | - | 1 | - | - | 1 | - |
| VITROS 3600/4600/5600 | - | 3 | - | - | 3 | - |
| VITROS ECi | 1 | - | - | - | 1 | - |

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

| | Specimen VM-1 | | | Specimen VM-2 | | | Specimen VM-3 | | |
|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 1 | 71 | - | 72 | - | - | 71 | 1 | - |
| Abbott Architect | - | 42 | - | 42 | - | - | 42 | - | - |
| Beckman ACCESS / 2 / DxI | - | 1 | - | 1 | - | - | 1 | - | - |
| Bio-Rad Evolis | 1 | - | - | 1 | - | - | 1 | - | - |
| bioMerieux Vidas, Mini Vidas | - | 1 | - | 1 | - | - | 1 | - | - |
| Roche cobas 6000 / e 601 | - | 11 | - | 11 | - | - | 11 | - | - |
| Roche cobas e 411 | - | 3 | - | 3 | - | - | 3 | - | - |
| 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-4 | | | Specimen VM-5 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 69 | 3 | - | - | 71 | - |
| Abbott Architect | 42 | - | - | - | 41 | - |
| Beckman ACCESS / 2 / DxI | 1 | - | - | - | 1 | - |
| Bio-Rad Evolis | - | 1 | - | - | 1 | - |
| bioMerieux Vidas, Mini Vidas | 1 | - | - | - | 1 | - |
| Roche cobas 6000 / e 601 | 11 | - | - | - | 11 | - |
| Roche cobas e 411 | 3 | - | - | - | 3 | - |
| 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-1 | | | Specimen VM-2 | | | Specimen VM-3 | | |
|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 169 | 2 | - | 2 | 169 | - | 2 | 168 | 1 |
| Abbott Architect | 69 | 1 | - | - | 70 | - | - | 70 | - |
| Acon Laboratories | 1 | - | - | - | 1 | - | - | 1 | - |
| Alere Determine HIV - moderate | 5 | - | - | - | 5 | - | - | 5 | - |
| Beckman ACCESS / 2 / DxI | 4 | - | - | - | 4 | - | - | 4 | - |
| bioMerieux Vidas, Mini Vidas | 3 | - | - | - | 3 | - | - | 3 | - |
| DiaSorin | 2 | - | - | - | 2 | - | - | 2 | - |
| Roche cobas 6000 / e 601 | 34 | 1 | - | 2 | 33 | - | 1 | 33 | 1 |
| Roche cobas e 411 | 15 | - | - | - | 15 | - | - | 15 | - |
| Roche Elecsys 1010 / 2010 | 1 | - | - | - | 1 | - | - | 1 | - |
| Roche Modular Analytics | 2 | - | - | - | 2 | - | - | 2 | - |
| Siemens ADVIA Centaur | 8 | - | - | - | 8 | - | - | 8 | - |
| Standard Diagnostics | 2 | - | - | - | 2 | - | - | 2 | - |
| VITROS 3600/4600/5600 | 5 | - | - | - | 5 | - | - | 5 | - |
| VITROS ECi | 6 | - | - | - | 6 | - | - | 6 | - |

**Viral Markers – Anti-HIV- cont'd**

| | Specimen VM-4 | | | Specimen VM-5 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 160 | 10 | 1 | 3 | 167 | - |
| Abbott Architect | 68 | 1 | 1 | - | 69 | - |
| Acon Laboratories | 1 | - | - | - | 1 | - |
| Alere Determine HIV - moderate | 2 | 3 | - | - | 5 | - |
| Beckman ACCESS / 2 / DxI | 4 | - | - | - | 4 | - |
| bioMerieux Vidas, Mini Vidas | 3 | - | - | - | 3 | - |
| DiaSorin | 2 | - | - | - | 2 | - |
| Roche cobas 6000 / e 601 | 34 | 1 | - | 1 | 34 | - |
| Roche cobas e 411 | 15 | - | - | - | 15 | - |
| Roche Elecsys 1010 / 2010 | 1 | - | - | - | 1 | - |
| Roche Modular Analytics | 2 | - | - | 1 | 1 | - |
| Siemens ADVIA Centaur | 8 | - | - | - | 8 | - |
| Standard Diagnostics | 2 | - | - | - | 2 | - |
| VITROS 3600/4600/5600 | 5 | - | - | - | 5 | - |
| VITROS ECi | 6 | - | - | - | 6 | - |

**Viral Markers – Anti-HAV (IgM)**

| | Specimen VM-1 | | | Specimen VM-2 | | | Specimen VM-3 | | |
|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 1 | 59 | - | - | 60 | - | - | 60 | - |
| Abbott Architect | - | 29 | - | - | 29 | - | - | 29 | - |
| bioMerieux Vidas, Mini Vidas | - | 3 | - | - | 3 | - | - | 3 | - |
| Roche cobas 6000 / e 601 | - | 16 | - | - | 16 | - | - | 16 | - |
| Roche cobas e 411 | 1 | 2 | - | - | 3 | - | - | 3 | - |
| Roche Modular Analytics | - | 1 | - | - | 1 | - | - | 1 | - |
| Siemens ADVIA Centaur | - | 4 | - | - | 4 | - | - | 4 | - |
| Standard Diagnostics | - | 2 | - | - | 2 | - | - | 2 | - |

| | Specimen VM-4 | | | Specimen VM-5 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | - | 60 | - | 1 | 58 | - |
| Abbott Architect | - | 29 | - | - | 28 | - |
| bioMerieux Vidas, Mini Vidas | - | 3 | - | - | 3 | - |
| Roche cobas 6000 / e 601 | - | 16 | - | - | 16 | - |
| Roche cobas e 411 | - | 3 | - | 1 | 2 | - |
| Roche Modular Analytics | - | 1 | - | - | 1 | - |
| Siemens ADVIA Centaur | - | 4 | - | - | 4 | - |
| Standard Diagnostics | - | 2 | - | - | 2 | - |

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

| | Specimen VM-1 | | | Specimen VM-2 | | | Specimen VM-3 | | |
|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 50 | 1 | - | 1 | 50 | - | 1 | 50 | - |
| Abbott Architect | 24 | - | - | - | 24 | - | - | 24 | - |
| bioMerieux Vidas, Mini Vidas | 3 | - | - | - | 3 | - | - | 3 | - |
| Roche cobas 6000 / e 601 | 12 | - | - | - | 12 | - | - | 12 | - |
| Roche cobas e 411 | 2 | - | - | 1 | 1 | - | 1 | 1 | - |
| Roche Elecsys 1010 / 2010 | 1 | - | - | - | 1 | - | - | 1 | - |
| Roche Modular Analytics | 1 | - | - | - | 1 | - | - | 1 | - |
| Siemens ADVIA Centaur | 4 | - | - | - | 4 | - | - | 4 | - |
| Standard Diagnostics | - | 1 | - | - | 1 | - | - | 1 | - |
| VITROS 3600/4600/5600 | 1 | - | - | - | 1 | - | - | 1 | - |

| | Specimen VM-4 | | | Specimen VM-5 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 2 | 49 | - | 50 | 1 | - |
| Abbott Architect | 1 | 23 | - | 24 | - | - |
| bioMerieux Vidas, Mini Vidas | - | 3 | - | 3 | - | - |
| Roche cobas 6000 / e 601 | - | 12 | - | 12 | - | - |
| Roche cobas e 411 | 1 | 1 | - | 2 | - | - |
| Roche Elecsys 1010 / 2010 | - | 1 | - | 1 | - | - |
| Roche Modular Analytics | - | 1 | - | 1 | - | - |
| Siemens ADVIA Centaur | - | 4 | - | 4 | - | - |
| Standard Diagnostics | - | 1 | - | - | 1 | - |
| VITROS 3600/4600/5600 | - | 1 | - | 1 | - | - |

**Viral Markers – HBeAg**

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

| | Specimen VM-4 | | | Specimen VM-5 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 38 | 1 | - | - | 39 | - |
| Abbott Architect | 16 | - | - | - | 16 | - |
| bioMerieux Vidas, Mini Vidas | 3 | - | - | - | 3 | - |
| DiaSorin | 1 | - | - | - | 1 | - |
| Roche cobas 6000 / e 601 | 12 | - | - | - | 12 | - |
| Roche cobas e 411 | 2 | - | - | - | 2 | - |
| Roche Modular Analytics | 1 | - | - | - | 1 | - |
| Siemens ADVIA Centaur | 2 | - | - | - | 2 | - |

**Viral Markers – Anti-HBs**

| | Specimen VM-1 | | | Specimen VM-2 | | | Specimen VM-3 | | |
|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 110 | 5 | - | 58 | 57 | - | 6 | 109 | - |
| Abbott Architect | 47 | - | - | 47 | - | - | - | 47 | - |
| Beckman ACCESS / 2 / DxI | 2 | - | - | - | 2 | - | 2 | - | - |
| bioMerieux Vidas, Mini Vidas | 2 | - | - | - | 2 | - | - | 2 | - |
| DiaSorin | - | 1 | - | 1 | - | - | 1 | - | - |
| Roche cobas 6000 / e 601 | 29 | 2 | - | 4 | 27 | - | 2 | 29 | - |
| Roche cobas e 411 | 9 | - | - | 1 | 8 | - | 1 | 8 | - |
| Roche Elecsys 1010 / 2010 | 2 | - | - | 1 | 1 | - | - | 2 | - |
| Roche Modular Analytics | 1 | - | - | - | 1 | - | - | 1 | - |
| Siemens ADVIA Centaur | 6 | - | - | - | 6 | - | - | 6 | - |
| Standard Diagnostics | - | 1 | - | - | 1 | - | - | 1 | - |
| VITROS 3600/4600/5600 | 5 | - | - | - | 5 | - | - | 5 | - |
| VITROS ECi | 2 | - | - | - | 2 | - | - | 2 | - |

| | Specimen VM-4 | | | Specimen VM-5 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 83 | 30 | 2 | 111 | 4 | - |
| Abbott Architect | 24 | 22 | 1 | 47 | - | - |
| Beckman ACCESS / 2 / DxI | 2 | - | - | 2 | - | - |
| bioMerieux Vidas, Mini Vidas | 1 | - | 1 | 2 | - | - |
| DiaSorin | 1 | - | - | - | 1 | - |
| Roche cobas 6000 / e 601 | 30 | 1 | - | 30 | 1 | - |
| Roche cobas e 411 | 9 | - | - | 9 | - | - |
| Roche Elecsys 1010 / 2010 | 2 | - | - | 2 | - | - |
| Roche Modular Analytics | 1 | - | - | 1 | - | - |
| Siemens ADVIA Centaur | 2 | 4 | - | 6 | - | - |
| Standard Diagnostics | - | 1 | - | - | 1 | - |
| VITROS 3600/4600/5600 | 5 | - | - | 5 | - | - |
| VITROS ECi | 2 | - | - | 2 | - | - |

**Viral Markers – HBsAg**

| | Specimen VM-1 | | | Specimen VM-2 | | | Specimen VM-3 | | |
|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | - | 170 | 1 | 170 | 1 | - | 148 | 21 | 2 |
| Abbott Architect | - | 65 | 1 | 66 | - | - | 64 | 1 | 1 |
| Beckman ACCESS / 2 / DxI | - | 4 | - | 4 | - | - | 4 | - | - |
| bioMerieux Vidas, Mini Vidas | - | 3 | - | 3 | - | - | 3 | - | - |
| DiaSorin | - | 1 | - | 1 | - | - | 1 | - | - |
| Roche cobas 6000 / e 601 | - | 37 | - | 36 | 1 | - | 35 | 2 | - |
| Roche cobas e 411 | - | 17 | - | 17 | - | - | 17 | - | - |
| Roche Elecsys 1010 / 2010 | - | 1 | - | 1 | - | - | 1 | - | - |
| Roche Modular Analytics | - | 2 | - | 2 | - | - | 2 | - | - |
| Siemens ADVIA Centaur | - | 6 | - | 6 | - | - | 4 | 1 | 1 |
| Standard Diagnostics | - | 6 | - | 6 | - | - | 1 | 5 | - |
| VITROS 3600/4600/5600 | - | 5 | - | 5 | - | - | 5 | - | - |
| VITROS ECi | - | 6 | - | 6 | - | - | 5 | 1 | - |

| | Specimen VM-4 | | | Specimen VM-5 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 145 | 24 | 2 | 1 | 168 | 1 |
| Abbott Architect | 65 | 1 | - | 1 | 63 | 1 |
| Beckman ACCESS / 2 / DxI | 4 | - | - | - | 4 | - |
| bioMerieux Vidas, Mini Vidas | 2 | - | 1 | - | 3 | - |
| DiaSorin | 1 | - | - | - | 1 | - |
| Roche cobas 6000 / e 601 | 37 | - | - | - | 37 | - |
| Roche cobas e 411 | 17 | - | - | - | 17 | - |
| Roche Elecsys 1010 / 2010 | 1 | - | - | - | 1 | - |
| Roche Modular Analytics | 2 | - | - | - | 2 | - |
| Siemens ADVIA Centaur | 5 | - | 1 | - | 6 | - |
| Standard Diagnostics | 1 | 5 | - | - | 6 | - |
| VITROS 3600/4600/5600 | 1 | 4 | - | - | 5 | - |
| VITROS ECi | 4 | 2 | - | - | 6 | - |

**Viral Markers – Anti-HCV**

| | Specimen VM-1 | | | Specimen VM-2 | | | Specimen VM-3 | | |
|---|---|---|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | - | 153 | - | 151 | 2 | - | 1 | 152 | - |
| Abbott Architect | - | 67 | - | 67 | - | - | - | 67 | - |
| Beckman ACCESS / 2 / DxI | - | 2 | - | 2 | - | - | - | 2 | - |
| Bio-Rad Evolis | - | 1 | - | 1 | - | - | - | 1 | - |
| bioMerieux Vidas, Mini Vidas | - | 2 | - | 2 | - | - | - | 2 | - |
| Roche cobas 6000 / e 601 | - | 28 | - | 27 | 1 | - | - | 28 | - |
| Roche cobas e 411 | - | 13 | - | 13 | - | - | - | 13 | - |
| Roche Elecsys 1010 / 2010 | - | 1 | - | 1 | - | - | - | 1 | - |
| Roche Modular Analytics | - | 2 | - | 2 | - | - | - | 2 | - |
| Siemens ADVIA Centaur | - | 5 | - | 5 | - | - | - | 5 | - |
| Standard Diagnostics | - | 6 | - | 6 | - | - | - | 6 | - |
| VITROS 3600/4600/5600 | - | 5 | - | 5 | - | - | - | 5 | - |
| VITROS ECi | - | 5 | - | 5 | - | - | - | 5 | - |

| | Specimen VM-4 | | | Specimen VM-5 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 2 | 151 | - | - | 152 | - |
| Abbott Architect | - | 67 | - | - | 66 | - |
| Beckman ACCESS / 2 / DxI | - | 2 | - | - | 2 | - |
| Bio-Rad Evolis | - | 1 | - | - | 1 | - |
| bioMerieux Vidas, Mini Vidas | - | 2 | - | - | 2 | - |
| Roche cobas 6000 / e 601 | 1 | 27 | - | - | 28 | - |
| Roche cobas e 411 | 1 | 12 | - | - | 13 | - |
| Roche Elecsys 1010 / 2010 | - | 1 | - | - | 1 | - |
| Roche Modular Analytics | - | 2 | - | - | 2 | - |
| Siemens ADVIA Centaur | - | 5 | - | - | 5 | - |
| Standard Diagnostics | - | 6 | - | - | 6 | - |
| VITROS 3600/4600/5600 | - | 5 | - | - | 5 | - |
| VITROS ECi | - | 5 | - | - | 5 | - |

## Toxoplasma gondii Antibody (IgG) - Qualitative

| | Specimen TOX-1 | | | Specimen TOX-2 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 18 | - | - | - | 18 | - |
| Abbott Architect | 12 | - | - | - | 12 | - |
| bioMerieux Vidas, Mini Vidas | 1 | - | - | - | 1 | - |
| Roche cobas 6000 / e 601 | 1 | - | - | - | 1 | - |
| Roche cobas e 411 | 1 | - | - | - | 1 | - |

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

| ***Specimen/Method*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
|---|---|---|---|---|---|---|
| **Specimen TOX-1** | | | | | | |
| ALL METHODS | 12 | 53.883 | 7.765 | 14.4 | 54.50 | 38.35 - 69.42 |
| Abbott Architect | 12 | 53.883 | 7.765 | 14.4 | 54.50 | 38.35 - 69.42 |
| **Specimen TOX-2** | | | | | | |
| ALL METHODS | 18 | 0.228 | 0.145 | 63.6 | 0.20 | 0.00 - 0.52 |
| Abbott Architect | 12 | 0.275 | 0.122 | 44.2 | 0.25 | 0.03 - 0.52 |

**Toxoplasma gondii Antibody (IgM) - Qualitative**

| | Specimen TOX-1 | | | Specimen TOX-2 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 16 | 6 | 1 | 1 | 22 | - |
| Abbott Architect | 13 | 1 | - | 1 | 13 | - |
| bioMerieux Vidas, Mini Vidas | 1 | - | - | - | 1 | - |
| Roche cobas 6000 / e 601 | - | 3 | - | - | 3 | - |
| Roche cobas e 411 | - | 1 | 1 | - | 2 | - |

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

| ***Specimen/Method*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
|---|---|---|---|---|---|---|
| **Specimen TOX-1** | | | | | | |
| ALL METHODS | 15 | 1.047 | 0.338 | 32.3 | 1.00 | 0.37 - 1.73 |
| Abbott Architect | 10 | 0.998 | 0.094 | 9.4 | 1.01 | 0.80 - 1.19 |
| **Specimen TOX-2** | | | | | | |
| ALL METHODS | 15 | 0.154 | 0.034 | 22.1 | 0.15 | 0.08 - 0.23 |
| Abbott Architect | 10 | 0.145 | 0.025 | 17.6 | 0.15 | 0.09 - 0.20 |

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

| | Specimen CMV-1 | | | Specimen CMV-2 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 11 | 1 | - | 12 | - | - |
| Abbott Architect | 11 | - | - | 11 | - | - |
| Roche cobas 6000 / e 601 | - | 1 | - | 1 | - | - |

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

| ***Specimen/Method*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
|---|---|---|---|---|---|---|
| **Specimen CMV-1** | | | | | | |
| All Method | 9 | 37.644 | 9.557 | 25.4 | 37.60 | 18.53 - 56.76 |
| Abbott Architect | 8 | 39.725 | 7.737 | 19.5 | 38.60 | 24.25 - 55.20 |
| **Specimen CMV-2** | | | | | | |
| All Method | 12 | 127.896 | 30.729 | 24.0 | 123.15 | 66.43 - 189.36 |
| Abbott Architect | 8 | 125.025 | 19.333 | 15.5 | 123.15 | 86.35 - 163.70 |

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

| | Specimen CMV-1 | | | Specimen CMV-2 | | |
|---|---|---|---|---|---|---|
| ***Method*** | ***Positive*** | ***Negative*** | ***Equivocal*** | ***Positive*** | ***Negative*** | ***Equivocal*** |
| ALL METHODS | 15 | 1 | - | 1 | 15 | - |
| Abbott Architect | 12 | 1 | - | 1 | 12 | - |
| Roche cobas 6000 / e 601 | 2 | - | - | - | 2 | - |
| Roche cobas e 411 | 1 | - | - | - | 1 | - |

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

| ***Specimen/Method*** | ***Labs*** | ***Mean*** | ***SD*** | ***CV*** | ***Median*** | ***Range*** |
|---|---|---|---|---|---|---|
| **Specimen CMV-1** | | | | | | |
| All Method | 10 | 3.723 | 1.154 | 31.0 | 3.89 | 1.41 - 6.04 |
| Abbott Architect | 8 | 4.108 | 0.895 | 21.8 | 4.10 | 2.31 - 5.90 |
| **Specimen CMV-2** | | | | | | |
| All Method | 10 | 0.464 | 0.162 | 34.9 | 0.48 | 0.13 - 0.79 |
| Abbott Architect | 8 | 0.524 | 0.115 | 21.9 | 0.50 | 0.29 - 0.76 |

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

| *Specimen/Method* | *Labs* | *Mean* | *SD* | *CV* | *Median* | *Range* |
|---|---|---|---|---|---|---|
| **Specimen CK-1** | | | | | | |
| All Method | 1 | - | - | - | 5.4 | 5.3 - 5.5 |
| **Specimen CK-2** | | | | | | |
| All Method | 1 | - | - | - | 41.5 | 41.4 - 41.6 |
| **Specimen CK-3** | | | | | | |
| All Method | 1 | - | - | - | 23.5 | 23.4 - 23.6 |
| **Specimen CK-4** | | | | | | |
| All Method | 1 | - | - | - | 13.8 | 13.7 - 13.9 |
| **Specimen CK-5** | | | | | | |
| All Method | 1 | - | - | - | 76.2 | 76.1 - 76.3 |

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