PARTICIPANT SUMMARY

2 • 0 • 1 • 7

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

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<tr>
<th>Procedure</th>
<th>Consensus</th>
</tr>
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<td>Antimicrobial Susceptibility Testing</td>
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<td>Antinuclear Antibody</td>
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</tr>
<tr>
<td>Blood Bank</td>
<td>95%</td>
</tr>
<tr>
<td>Cytomegalovirus</td>
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</tr>
<tr>
<td>Microalbumin (Semi-Quantitative)</td>
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</tr>
<tr>
<td>Parasite Identification</td>
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</tr>
<tr>
<td>Rubella</td>
<td>80%</td>
</tr>
<tr>
<td>Syphilis Serology</td>
<td>80%</td>
</tr>
<tr>
<td>Toxoplasma</td>
<td>80%</td>
</tr>
<tr>
<td>Urine Dipstick</td>
<td>80%</td>
</tr>
<tr>
<td>Urine hCG</td>
<td>80%</td>
</tr>
<tr>
<td>Viral Markers</td>
<td>80%</td>
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</tbody>
</table>

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."

<table>
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<tr>
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</tr>
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<td>CK-MB (U/L)</td>
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<tr>
<td>Cytomegalovirus</td>
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</tr>
<tr>
<td>Fibrinogen</td>
<td>± 20%</td>
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<tr>
<td>Hematocrit</td>
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</tr>
<tr>
<td>Hemoglobin</td>
<td>± 7%</td>
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<tr>
<td>International Normalized Ratio (INR)</td>
<td>± 20%</td>
</tr>
<tr>
<td>Platelet Count</td>
<td>± 25%</td>
</tr>
<tr>
<td>Prothrombin Time</td>
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</tr>
<tr>
<td>Red Blood Cell Count</td>
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</tr>
<tr>
<td>Rubella</td>
<td>± 3 SD</td>
</tr>
<tr>
<td>Specific Gravity</td>
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<tr>
<td>Toxoplasma</td>
<td>± 2 SD</td>
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<tr>
<td>White Blood Cell Count</td>
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## HEMATOLOGY W/ 5-PART DIFFERENTIAL–WHITE BLOOD CELL COUNT (x K/μL)

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<tr>
<th>Instrument</th>
<th>Labs</th>
<th>Mean</th>
<th>SD</th>
<th>CV</th>
<th>Median</th>
<th>Range</th>
<th>Labs</th>
<th>Mean</th>
<th>SD</th>
<th>CV</th>
<th>Median</th>
<th>Range</th>
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<td>0.57</td>
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<td>3.0</td>
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<td>All Abbott Cell-Dyn Instruments</td>
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<td>20.91</td>
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<td>4.3</td>
<td>20.8</td>
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<td>17.30</td>
<td>1.06</td>
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<td>14.7 - 19.9</td>
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<td>1.8 - 2.5</td>
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<tr>
<td>All Method</td>
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<td>2.79</td>
<td>0.57</td>
<td>20.5</td>
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<td>All Abbott Cell-Dyn Instruments</td>
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<td>0.22</td>
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<td>3.2</td>
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<td>0.22</td>
<td>6.7</td>
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<td>2.7 - 3.8</td>
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<td>0.64</td>
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<td>20.9</td>
<td>17.7 - 24.1</td>
</tr>
<tr>
<td>Orphee Mythic 22</td>
<td>28</td>
<td>2.16</td>
<td>0.16</td>
<td>7.4</td>
<td>2.1</td>
<td>1.8 - 2.5</td>
<td>27</td>
<td>17.29</td>
<td>1.11</td>
<td>6.4</td>
<td>17.1</td>
<td>14.6 - 19.9</td>
</tr>
</tbody>
</table>

| **Specimen CL-13**             |      |       |      |     |        |            |      |       |      |     |        |            |
| All Method                     | 67   | 7.19  | 0.81 | 11.2| 7.5    | 6.1 - 8.3  | 67   | 19.49| 2.05| 10.5| 20.4   | 16.5 - 22.5|
| All Abbott Cell-Dyn Instruments| 38   | 7.79  | 0.25 | 3.3 | 7.8    | 6.6 - 9.0  | 37   | 20.84| 0.67 | 3.2 | 20.7   | 17.7 - 24.0|
| Abbott Cell-Dyn Ruby           | 32   | 7.81  | 0.25 | 3.2 | 7.8    | 6.6 - 9.0  | 31   | 20.93| 0.64 | 3.1 | 20.9   | 17.7 - 24.1|
| Orphee Mythic 22               | 27   | 6.29  | 0.38 | 6.1 | 6.3    | 5.3 - 7.3  | 27   | 17.29| 1.11 | 6.4 | 17.1   | 14.6 - 19.9|

| **Specimen CL-14**             |      |       |      |     |        |            |      |       |      |     |        |            |
| All Method                     | 67   | 7.19  | 0.81 | 11.2| 7.5    | 6.1 - 8.3  | 67   | 19.49| 2.05| 10.5| 20.4   | 16.5 - 22.5|
| All Abbott Cell-Dyn Instruments| 38   | 3.23  | 0.20 | 6.3 | 3.2    | 2.7 - 3.8  | 32   | 3.25  | 0.21 | 6.6 | 3.2    | 2.7 - 3.8  |
| Abbott Cell-Dyn Ruby           | 32   | 3.25  | 0.21 | 6.6 | 3.2    | 2.7 - 3.8  | 32   | 3.25  | 0.21 | 6.6 | 3.2    | 2.7 - 3.8  |
| Orphee Mythic 22               | 27   | 2.16  | 0.15 | 6.8 | 2.2    | 1.8 - 2.5  | 27   | 2.16  | 0.15 | 6.8 | 2.2    | 1.8 - 2.5  |
## HEMATOLOGY W/ 5-PART DIFFERENTIAL--RED BLOOD CELL COUNT (x M/uL)

<table>
<thead>
<tr>
<th>Instrument</th>
<th>Labs</th>
<th>Mean</th>
<th>SD</th>
<th>CV</th>
<th>Median</th>
<th>Range</th>
<th>Labs</th>
<th>Mean</th>
<th>SD</th>
<th>CV</th>
<th>Median</th>
<th>Range</th>
</tr>
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<tbody>
<tr>
<td>All Method</td>
<td>68</td>
<td>5.151</td>
<td>0.142</td>
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<td>4.84 - 5.46</td>
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<td>2.110</td>
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<td>3.4</td>
<td>2.11</td>
<td>1.98 - 2.24</td>
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<tr>
<td>All Abbott Cell-Dyn Instruments</td>
<td>38</td>
<td>5.187</td>
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<td>5.17</td>
<td>4.87 - 5.50</td>
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<td>0.052</td>
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<td>2.13</td>
<td>2.00 - 2.26</td>
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<tr>
<td>Abbott Cell-Dyn Ruby</td>
<td>32</td>
<td>5.206</td>
<td>0.136</td>
<td>2.6</td>
<td>5.22</td>
<td>4.89 - 5.52</td>
<td>32</td>
<td>2.125</td>
<td>0.052</td>
<td>2.4</td>
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<td>1.99 - 2.26</td>
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<td>Orphee Mythic 22</td>
<td>29</td>
<td>5.101</td>
<td>0.142</td>
<td>2.8</td>
<td>5.07</td>
<td>4.79 - 5.41</td>
<td>29</td>
<td>2.086</td>
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<td>4.1</td>
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<td>1.96 - 2.22</td>
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**Specimen CL-13**

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<th>Mean</th>
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<th>SD</th>
<th>CV</th>
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<th>Range</th>
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**Specimen CL-15**

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<th>Mean</th>
<th>SD</th>
<th>CV</th>
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2017 MLE-M3 International Data Supplement/7
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| All Abbott Cell-Dyn Instruments     | 36   | 280.3 | 19.2 | 6.9 | 280    | 210 - 351   | 37   | 528.0 | 31.0 | 5.9 | 531    | 395 - 660   |
| Abbott Cell-Dyn Ruby                | 30   | 282.4 | 17.6 | 6.2 | 280    | 211 - 354   | 31   | 532.0 | 28.4 | 5.3 | 533    | 399 - 666   |
| Orphee Mythic 22                    | 29   | 283.3 | 23.1 | 8.2 | 283    | 212 - 355   | 29   | 520.8 | 33.9 | 6.5 | 524    | 390 - 651   |

| **Specimen CL-14**                  |      |       |      |     |        |             |      |       |      |     |        |             |
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| All Abbott Cell-Dyn Instruments     | 36   | 280.3 | 19.2 | 6.9 | 280    | 210 - 351   | 37   | 528.0 | 31.0 | 5.9 | 531    | 395 - 660   |
| Abbott Cell-Dyn Ruby                | 30   | 282.4 | 17.6 | 6.2 | 280    | 211 - 354   | 31   | 532.0 | 28.4 | 5.3 | 533    | 399 - 666   |
| Orphee Mythic 22                    | 29   | 283.3 | 23.1 | 8.2 | 283    | 212 - 355   | 29   | 520.8 | 33.9 | 6.5 | 524    | 390 - 651   |

| **Specimen CL-15**                  |      |       |      |     |        |             |      |       |      |     |        |             |
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| All Abbott Cell-Dyn Instruments     | 37   | 76.2  | 7.3  | 9.5 | 74     | 57 - 96     | 37   | 76.2  | 7.3  | 9.5 | 74     | 57 - 96     |
| Abbott Cell-Dyn Ruby                | 31   | 75.9  | 7.1  | 9.3 | 74     | 56 - 95     | 31   | 75.9  | 7.1  | 9.3 | 74     | 56 - 95     |
| Orphee Mythic 22                    | 27   | 97.6  | 14.0 | 14.4| 98     | 73 - 123    | 27   | 97.6  | 14.0 | 14.4| 98     | 73 - 123    |
HEMATOLOGY W/ 5-PART DIFFERENTIAL–NEUTROPHILS (percent)

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

<table>
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<tr>
<th>Instrument</th>
<th>Labs</th>
<th>Mean</th>
<th>SD</th>
<th>CV</th>
<th>Median</th>
<th>Range</th>
<th>Labs</th>
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<th>CV</th>
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<th>Range</th>
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### Specimen CL-13

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## BLOOD BANK

### ABO GROUP

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<tr>
<td>BB-12</td>
<td>Group AB</td>
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<td>100%</td>
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<tr>
<td>BB-13</td>
<td>Group B</td>
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<td>Acceptable</td>
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<tr>
<td></td>
<td>Group A</td>
<td>1</td>
<td>1.82%</td>
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<td>BB-14</td>
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<td>98.18%</td>
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<td>Group B</td>
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### RH FACTOR (D TYPE)

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### UNEXPECTED ANTIBODY DETECTION

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<tbody>
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<td>3.33%</td>
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### ANTIBODY IDENTIFICATION

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## BLOOD BANK

### COMPATIBILITY TESTING

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### Coagulation

#### PROTHROMBIN TIME (seconds)

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<th>SD</th>
<th>CV</th>
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<th>Labs</th>
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### PROTHROMBIN TIME (seconds)

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<th>SD</th>
<th>CV</th>
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*Note: Labs, Mean, SD, CV, Median, Range for each test.*
## URINALYSIS DIPSTICK–SPECIFIC GRAVITY

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28 /2017 MLE-M3 International Data Supplement
### URINALYSIS DIPSTICK–PROTEIN QUALITATIVE

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2017 MLE-M3 International Data Supplement/ 31
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**URINALYSIS DIPSTICK–UROBILINOGEN**

**Specimen UA-3**

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*2017 MLE-M3 International Data Supplement/33*
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2017 MLE-M3 International Data Supplement/ 35
## URINALYSIS DIPSTICK–NITRITE

### Specimen UA-3

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### URINALYSIS –MICROALBUMIN (dipstick only)

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### URINALYSIS –URINE hCG

**Specimen UA-3**

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### ANTIMICROBIAL SUSCEPTIBILITY TESTING

**Specimen UC-11, CC-11 (SUS-11)**

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¹ This drug is intrinsically resistant.
² This is an ungraded challenge due to lack of comparison group.
³ This is an inappropriate drug due to discontinued marketing status.
### Disk Diffusion

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<td>13</td>
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<td>-</td>
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<td>-</td>
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<td>2</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>100.00%</td>
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<td>Trimethoprim/Sulfamethoxazole</td>
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<td>133</td>
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<td>1</td>
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<td>Inappropriate drug</td>
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### MIC

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<th>Labs</th>
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<th>R</th>
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<td>Ofloxacin</td>
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<td>-</td>
<td>-</td>
<td>-</td>
<td>2</td>
</tr>
<tr>
<td>Ticarcillin/Clavulanate</td>
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<td>-</td>
<td>-</td>
<td>1</td>
<td>5</td>
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<td>Tigecycline</td>
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<td>2</td>
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<tr>
<td>Tobramycin</td>
<td>5</td>
<td>4</td>
<td>1</td>
<td>-</td>
<td>33</td>
</tr>
<tr>
<td>Trimethoprim</td>
<td>1</td>
<td>1</td>
<td>-</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Trimethoprim/Sulfamethoxazole</td>
<td>41</td>
<td>40</td>
<td>-</td>
<td>1</td>
<td>134</td>
</tr>
<tr>
<td>Vancomycin</td>
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<td>-</td>
<td>-</td>
<td>1</td>
<td>1</td>
</tr>
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Organism(s) present:  *Enterobacter aerogenes.*
PARASITOLOGY (PA Specimens)

Specimen PA-11

<table>
<thead>
<tr>
<th>Identification</th>
<th>Labs</th>
<th>Percent</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>No parasite seen</td>
<td>3</td>
<td>42.86%</td>
<td>Unacceptable</td>
</tr>
<tr>
<td>Enterobius vermicularis eggs</td>
<td>2</td>
<td>28.57%</td>
<td>Unacceptable</td>
</tr>
<tr>
<td>Schistosoma sp. eggs, NOS</td>
<td>1</td>
<td>14.29%</td>
<td>Unacceptable</td>
</tr>
<tr>
<td>Entamoeba histolytica</td>
<td>1</td>
<td>14.29%</td>
<td>Unacceptable</td>
</tr>
</tbody>
</table>

Parasite(s) present: *Iodamoeba buetschlii*. This specimen is graded to US statistics.

Specimen PA-12

<table>
<thead>
<tr>
<th>Identification</th>
<th>Labs</th>
<th>Percent</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>No parasite seen</td>
<td>4</td>
<td>50.00%</td>
<td>Acceptable</td>
</tr>
<tr>
<td>Entamoeba histolytica</td>
<td>2</td>
<td>25.00%</td>
<td></td>
</tr>
<tr>
<td>Balantidium coli</td>
<td>1</td>
<td>12.50%</td>
<td></td>
</tr>
<tr>
<td>Cryptosporidium sp., oocysts</td>
<td>1</td>
<td>12.50%</td>
<td></td>
</tr>
</tbody>
</table>

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

Specimen PA-13

<table>
<thead>
<tr>
<th>Identification</th>
<th>Labs</th>
<th>Percent</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Strongyloides stercoralis larvae</td>
<td>11</td>
<td>84.62%</td>
<td>Acceptable</td>
</tr>
<tr>
<td>Ascaris lumbricoides eggs</td>
<td>1</td>
<td>7.69%</td>
<td></td>
</tr>
<tr>
<td>Endolimax nana</td>
<td>1</td>
<td>7.69%</td>
<td></td>
</tr>
</tbody>
</table>

Parasite(s) present: *Strongyloides stercoralis larvae*. 
PARASITOLOGY (PA Specimens) cont’d

Specimen PA-14

<table>
<thead>
<tr>
<th>Identification</th>
<th>Labs</th>
<th>Percent</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trichuris trichiura eggs</td>
<td>12</td>
<td>70.59%</td>
<td>Acceptable</td>
</tr>
<tr>
<td>Endolimax nana</td>
<td>2</td>
<td>11.76%</td>
<td>Acceptable</td>
</tr>
<tr>
<td>Parasite egg seen but no ID</td>
<td>1</td>
<td>5.88%</td>
<td>Acceptable</td>
</tr>
<tr>
<td>Entamoeba histolytica</td>
<td>1</td>
<td>5.88%</td>
<td></td>
</tr>
<tr>
<td>Ascaris lumbricoides eggs</td>
<td>1</td>
<td>5.88%</td>
<td></td>
</tr>
</tbody>
</table>

Parasite(s) present: *Trichuris trichiura* eggs, *Endolimax nana* and *Entamoeba hartmanni*.

Specimen PA-15

<table>
<thead>
<tr>
<th>Identification</th>
<th>Labs</th>
<th>Percent</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trypanosoma sp., NOS</td>
<td>6</td>
<td>60.00%</td>
<td>Acceptable</td>
</tr>
<tr>
<td>Trypanosoma brucei sp.</td>
<td>2</td>
<td>20.00%</td>
<td>Acceptable</td>
</tr>
<tr>
<td>Trypanosoma cruzi</td>
<td>1</td>
<td>10.00%</td>
<td></td>
</tr>
<tr>
<td>Leishmania sp.</td>
<td>1</td>
<td>10.00%</td>
<td></td>
</tr>
</tbody>
</table>

Parasite(s) present: *Trypanosoma brucei rhodesiense*.
### PARASITOLOGY (FP Specimens)

#### Specimen FP-11

<table>
<thead>
<tr>
<th>Identification</th>
<th>Labs</th>
<th>Percent</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hymenolepis nana eggs</td>
<td>195</td>
<td>73.58%</td>
<td>Acceptable</td>
</tr>
<tr>
<td>Parasite egg seen but no ID</td>
<td>2</td>
<td>0.75%</td>
<td></td>
</tr>
<tr>
<td>Hymenolepis diminuta eggs</td>
<td>30</td>
<td>11.32%</td>
<td></td>
</tr>
<tr>
<td>Taenia sp. eggs</td>
<td>11</td>
<td>4.15%</td>
<td></td>
</tr>
<tr>
<td>Ascaris lumbricoides eggs</td>
<td>8</td>
<td>3.02%</td>
<td></td>
</tr>
<tr>
<td>No parasite seen</td>
<td>6</td>
<td>2.26%</td>
<td></td>
</tr>
<tr>
<td>Endolimax nana</td>
<td>4</td>
<td>1.51%</td>
<td></td>
</tr>
<tr>
<td>Blastocystis hominis</td>
<td>3</td>
<td>1.13%</td>
<td></td>
</tr>
<tr>
<td>Other parasite seen but no ID</td>
<td>1</td>
<td>0.38%</td>
<td></td>
</tr>
<tr>
<td>Protozoan seen but no ID</td>
<td>1</td>
<td>0.38%</td>
<td></td>
</tr>
<tr>
<td>Entamoeba coli</td>
<td>1</td>
<td>0.38%</td>
<td></td>
</tr>
<tr>
<td>Entamoeba histolytica</td>
<td>1</td>
<td>0.38%</td>
<td></td>
</tr>
<tr>
<td>Entamoeba hartmanni</td>
<td>1</td>
<td>0.38%</td>
<td></td>
</tr>
<tr>
<td>Hookworm</td>
<td>1</td>
<td>0.38%</td>
<td></td>
</tr>
</tbody>
</table>

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

#### Specimen FP-12

<table>
<thead>
<tr>
<th>Identification</th>
<th>Labs</th>
<th>Percent</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>No parasite seen</td>
<td>248</td>
<td>97.64%</td>
<td>Acceptable</td>
</tr>
<tr>
<td>Strongyloides stercoralis larvae</td>
<td>2</td>
<td>0.79%</td>
<td></td>
</tr>
<tr>
<td>Parasite egg seen but no ID</td>
<td>1</td>
<td>0.39%</td>
<td></td>
</tr>
<tr>
<td>Parasite larvae seen but no ID</td>
<td>1</td>
<td>0.39%</td>
<td></td>
</tr>
<tr>
<td>Nonpath, protozoan present</td>
<td>1</td>
<td>0.39%</td>
<td></td>
</tr>
<tr>
<td>Blastocystis hominis</td>
<td>1</td>
<td>0.39%</td>
<td></td>
</tr>
</tbody>
</table>

Parasite(s) present: No parasite present.
PARASITOLOGY (FP Specimens) cont’d

Specimen FP-13

<table>
<thead>
<tr>
<th>Identification</th>
<th>Labs</th>
<th>Percent</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diphyllobothrium latum</td>
<td>188</td>
<td>67.38%</td>
<td>Acceptable</td>
</tr>
<tr>
<td>Fasciola hepatica eggs</td>
<td>30</td>
<td>10.75%</td>
<td></td>
</tr>
<tr>
<td>Paragonimus westermani eggs</td>
<td>17</td>
<td>6.09%</td>
<td></td>
</tr>
<tr>
<td>Endolimax nana</td>
<td>10</td>
<td>3.58%</td>
<td></td>
</tr>
<tr>
<td>Hookworm</td>
<td>8</td>
<td>2.87%</td>
<td></td>
</tr>
<tr>
<td>Entamoeba histolytica</td>
<td>5</td>
<td>1.79%</td>
<td></td>
</tr>
<tr>
<td>Ascaris lumbricoides eggs</td>
<td>3</td>
<td>1.08%</td>
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<tr>
<td>Blastocystis hominis</td>
<td>3</td>
<td>1.08%</td>
<td></td>
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<tr>
<td>Parasite eggs seen but no ID</td>
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<tr>
<td>No parasite seen</td>
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<td>0.72%</td>
<td></td>
</tr>
<tr>
<td>Enterobius vermicularis eggs</td>
<td>2</td>
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</tr>
<tr>
<td>Giardia lamblia</td>
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<tr>
<td>Clonorchis sinensis</td>
<td>1</td>
<td>0.36%</td>
<td></td>
</tr>
<tr>
<td>Entamoeba hartmanni</td>
<td>1</td>
<td>0.36%</td>
<td></td>
</tr>
<tr>
<td>Entamoeba coli</td>
<td>1</td>
<td>0.36%</td>
<td></td>
</tr>
<tr>
<td>Microfilaria, NOS</td>
<td>1</td>
<td>0.36%</td>
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</tr>
<tr>
<td>Pollen artifact</td>
<td>1</td>
<td>0.36%</td>
<td></td>
</tr>
<tr>
<td>Schistosoma sp. eggs, NOS</td>
<td>1</td>
<td>0.36%</td>
<td></td>
</tr>
<tr>
<td>Other parasite seen but no ID</td>
<td>1</td>
<td>0.36%</td>
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</tbody>
</table>

Parasite(s) present: *Diphyllobothrium latum*. This challenge was graded by referee consensus.
### PARASITOLOGY (FP Specimens) cont’d

#### Specimen FP-14

<table>
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<th>Labs</th>
<th>Percent</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Giardia lamblia</td>
<td>249</td>
<td>82.45%</td>
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</tr>
<tr>
<td>Entamoeba histolytica</td>
<td>16</td>
<td>5.30%</td>
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</tr>
<tr>
<td>Blastocystis hominis</td>
<td>13</td>
<td>4.30%</td>
<td></td>
</tr>
<tr>
<td>Entamoeba coli</td>
<td>11</td>
<td>3.64%</td>
<td></td>
</tr>
<tr>
<td>Endolimax nana</td>
<td>3</td>
<td>0.99%</td>
<td></td>
</tr>
<tr>
<td>Entamoeba hartmanni</td>
<td>1</td>
<td>0.33%</td>
<td></td>
</tr>
<tr>
<td>Enterobius vermicularis eggs</td>
<td>1</td>
<td>0.33%</td>
<td></td>
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<tr>
<td>Chilomastix mesnili</td>
<td>1</td>
<td>0.33%</td>
<td></td>
</tr>
<tr>
<td>Ascaris lumbricoides eggs</td>
<td>1</td>
<td>0.33%</td>
<td></td>
</tr>
<tr>
<td>Hookworm</td>
<td>1</td>
<td>0.33%</td>
<td></td>
</tr>
<tr>
<td>Hymenolepis nana eggs</td>
<td>1</td>
<td>0.33%</td>
<td></td>
</tr>
<tr>
<td>Isospora belli oocysts</td>
<td>1</td>
<td>0.33%</td>
<td></td>
</tr>
<tr>
<td>Strongyloides stercoralis larvae</td>
<td>1</td>
<td>0.33%</td>
<td></td>
</tr>
<tr>
<td>Trichostrongylus sp. eggs</td>
<td>1</td>
<td>0.33%</td>
<td></td>
</tr>
<tr>
<td>Parasite egg seen but no ID</td>
<td>1</td>
<td>0.33%</td>
<td></td>
</tr>
</tbody>
</table>

Parasite(s) present: *Giardia lamblia*. 
PARASITOLOGY (FP Specimens) cont’d

Specimen FP-15

<table>
<thead>
<tr>
<th>Identification</th>
<th>Labs</th>
<th>Percent</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plasmodium vivax</td>
<td>171</td>
<td>67.59%</td>
<td>Acceptable</td>
</tr>
<tr>
<td>Plasmodium sp., NOS</td>
<td>38</td>
<td>15.02%</td>
<td>Acceptable</td>
</tr>
<tr>
<td>Plasmodium sp., not falciparum</td>
<td>8</td>
<td>3.16%</td>
<td>Acceptable</td>
</tr>
<tr>
<td>Plasmodium malariae</td>
<td>12</td>
<td>4.74%</td>
<td></td>
</tr>
<tr>
<td>No parasite seen</td>
<td>8</td>
<td>3.16%</td>
<td></td>
</tr>
<tr>
<td>Plasmodium ovale</td>
<td>7</td>
<td>2.77%</td>
<td></td>
</tr>
<tr>
<td>Plasmodium falciparum</td>
<td>6</td>
<td>2.37%</td>
<td></td>
</tr>
<tr>
<td>Toxoplasma gondii</td>
<td>1</td>
<td>0.40%</td>
<td></td>
</tr>
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### Antinuclear Antibody (ANA) - Qualitative

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Specimen AE-15 is an ungraded challenge due to less than 80% participant consensus.
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Specimen AE-12 is an ungraded challenge due to less than 80% participant consensus.
### Rubella—Qualitative

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| BioSystems                  | 1  | 7  | 3  | -  | -  | -  | -  | -   | -   | 1    |
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| Omega Diagnostics           | 1  | 6  | 1  | 1  | 1  | 1  | -  | -   | 1   |      |
| Plasmatec                   | 2  | 6  | 3  | 1  | -  | -  | -  | -   | -   |      |
| Pulse Scientific            | -  | -  | -  | -  | -  | 1  | -  | -   | -   |      |
| SPINREACT                   | 3  | 9  | 5  | 1  | 1  | -  | -  | -   | -   |      |
| Wiener Lab                  | -  | -  | 1  | -  | -  | -  | -  | -   | -   |      |
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| Beckman ACCESS / 2 / DxI | 3 | - | - | - | 3 | - |
| bioMerieux Vidas, Mini Vidas | 4 | - | - | - | 4 | - |
| DiaSorin | 1 | - | - | 1 | - | - |
| Roche cobas 6000 / e 601 | 32 | - | 1 | - | 33 | - |
| Roche cobas e 411 | 12 | - | - | - | 12 | - |
| Roche Elecsys 1010 / 2010 | 2 | - | - | 2 | - |
| Roche Modular Analytics | 3 | - | - | 3 | - |
| Siemens ADVIA Centaur | 8 | - | - | 8 | - |
| VITROS 3600/4600/5600 | 6 | - | - | 6 | - |
| VITROS ECI | 3 | - | - | 3 | - |
### Viral Markers – HBsAg

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

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

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<td>49.50</td>
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### Cytomegalovirus (CMV) Antibodies (IgM) - Qualitative

<table>
<thead>
<tr>
<th>Method</th>
<th>Specimen CMV-5</th>
<th>Specimen CMV-6</th>
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<tr>
<td></td>
<td>Positive</td>
<td>Negative</td>
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<tr>
<td>ALL METHODS</td>
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<td>18</td>
</tr>
<tr>
<td>Abbott Architect</td>
<td>-</td>
<td>11</td>
</tr>
<tr>
<td>bioMerieux Vidas, Mini Vidas</td>
<td>-</td>
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<tr>
<td>Roche cobas 6000 / e 601</td>
<td>-</td>
<td>3</td>
</tr>
<tr>
<td>Roche cobas e 411</td>
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### Cytomegalovirus (CMV) Antibodies (IgM) —Quantitative (U/mL)

<table>
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<tr>
<th>Specimen/Method</th>
<th>Labs</th>
<th>Mean</th>
<th>SD</th>
<th>CV</th>
<th>Median</th>
<th>Range</th>
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<td>0.197</td>
<td>0.066</td>
<td>33.3</td>
<td>0.21</td>
<td>0.06 - 0.33</td>
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<tr>
<td>Abbott Architect</td>
<td>8</td>
<td>0.215</td>
<td>0.035</td>
<td>16.3</td>
<td>0.22</td>
<td>0.14 - 0.29</td>
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| Specimen CMV-6  |      |      |     |      |        |         |
| All Method      | 12   | 0.158| 0.054| 34.3 | 0.16   | 0.04 - 0.27 |
| Abbott Architect| 8    | 0.160| 0.043| 26.7 | 0.16   | 0.07 - 0.25 |
### CK-MB - Quantitative (U/L)

<table>
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<tr>
<th>Specimen/Method</th>
<th>Labs</th>
<th>Mean</th>
<th>SD</th>
<th>CV</th>
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<td>18.75</td>
<td>3.23</td>
<td>17.2</td>
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