

# MEDICAL LABORATORY EVALUATION

## PARTICIPANT SUMMARY

**2 • 0 • 0 • 3**



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

Microbiology  
MLE – A3

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## Microbiology

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## 2003 Evaluation Criteria

The evaluation criteria used in the 2003 MLE Program is in accordance with the Clinical Laboratory Improvement Amendments of 1988 (CLIA '88) federal requirements for proficiency testing. The criteria are included below.

### Qualitative

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

|                                         |               |                                            |               |
|-----------------------------------------|---------------|--------------------------------------------|---------------|
| Bacterial Identification                | 80% Consensus | Rotavirus Antigen Detection                | 80% Consensus |
| Urine Presumptive Identification        | 80% Consensus | RSV Antigen Detection                      | 80% Consensus |
| Colony Count                            | 80% Consensus | GC (EIA, DNA)                              | 80% Consensus |
| Parasite Identification                 | 80% Consensus | Antimicrobial Susceptibility Testing       | 80% Consensus |
| Strep A Antigen Detection               | 80% Consensus | Gram Stain                                 | 80% Consensus |
| Affirm VP III Gardnerella Ag Detection  | 80% Consensus | Gram Stain Morphology                      | Not Graded    |
| Affirm VP III Candida Antigen Detection | 80% Consensus | Beta-lactamase Testing                     | Not Graded    |
| Affirm VP III Trichomonas Ag Detection  | 80% Consensus | C. Difficile Toxin/Antigen Detection       | 80% Consensus |
| Chlamydia (EIA, DNA)                    | 80% Consensus | Dermatophyte Screen                        | 80% Consensus |
| Cryptosporidium Antigen Detection       | 80% Consensus | Legionella Antigen Detection               | 80% Consensus |
| Giardia lamblia Antigen Detection       | 80% Consensus | Streptococcus pneumoniae Antigen Detection | 80% Consensus |
| Influenza A Antigen Detection           | 80% Consensus |                                            |               |

## THROAT CULTURE

### Specimen TC-11

| <u>Identification</u>       | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------------|-------------|----------------|--------------------|
| Pos. Group A Strep          | 144         | 62.1%          | Acceptable         |
| Presump. Pos. Group A Strep | 85          | 36.6%          | Acceptable         |
| Neg. Group A Strep          | 3           | 1.3%           |                    |

Organism present in specimen TC-11: *Streptococcus pyogenes*.

### Specimen TC-12

| <u>Identification</u>       | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------------|-------------|----------------|--------------------|
| Neg. Group A Strep          | 228         | 98.3%          | Acceptable         |
| Presump. Pos. Group A Strep | 3           | 1.3%           |                    |
| Pos. Group A Strep          | 1           | 0.4%           |                    |

Organism present in specimen TC-12: *Branhamella catarrhalis*.

### Specimen TC-13

| <u>Identification</u>       | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------------|-------------|----------------|--------------------|
| Pos. Group A Strep          | 41          | 54.0%          | Acceptable         |
| Presump. Pos. Group A Strep | 34          | 44.7%          | Acceptable         |
| Neg. Group A Strep          | 1           | 1.3%           |                    |

Organisms present in specimen TC-13: *Streptococcus pyogenes* and *Corynebacterium sp.*

### Specimen TC-14

| <u>Identification</u>       | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------------|-------------|----------------|--------------------|
| Neg. Group A Strep          | 65          | 98.5%          | Acceptable         |
| Presump. Pos. Group A Strep | 1           | 1.5%           |                    |

Organism present in specimen TC-14: *Neisseria mucosa*.

### Specimen TC-15

| <u>Identification</u>       | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------------|-------------|----------------|--------------------|
| Pos. Group A Strep          | 36          | 54.6%          | Acceptable         |
| Presump. Pos. Group A Strep | 25          | 37.9%          | Acceptable         |
| Neg. Group A Strep          | 5           | 7.6%           |                    |

Organisms present in specimen TC-15: *Haemophilus influenzae* and *Streptococcus pyogenes*.

## STREP A ANTIGEN DETECTION

### Specimen RS-11

| <u>Method</u>                   | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> | <u>Strength of Reaction</u> |                 |             |
|---------------------------------|-------------|-----------------|-----------------|-----------------------------|-----------------|-------------|
|                                 |             |                 |                 | <u>Strong</u>               | <u>Moderate</u> | <u>Weak</u> |
| All Methods                     | 754         | 737             | 17              | 460                         | 196             | 45          |
| Abbott Signify Strep A-waived   | 98          | 98              | -               | 65                          | 26              | 3           |
| Abbott TESTPACK Plus            | 1           | 1               | -               | 1                           | -               | -           |
| Applied Biotech Signify         | 14          | 14              | -               | 7                           | 6               | 1           |
| Applied Biotech SureStep        | 4           | 4               | -               | 2                           | 1               | -           |
| Applied Biotech SureStep II     | 9           | 9               | -               | 3                           | 3               | 3           |
| BD Directigen                   | 1           | 1               | -               | 1                           | -               | -           |
| BD Directigen 1-2-3             | 2           | 2               | -               | -                           | 2               | -           |
| BD LINK 2                       | 7           | 4               | 3               | 2                           | 1               | 1           |
| BD Qtest                        | 32          | 32              | -               | 8                           | 18              | 5           |
| Beckman Coulter ICON DS         | 19          | 19              | -               | 4                           | 6               | 6           |
| Beckman Coulter ICON Fx Strep A | 44          | 44              | -               | 28                          | 14              | -           |
| Bio Diagnostics Systems         | 1           | 1               | -               | 1                           | -               | -           |
| BioStar Acceava Strep A Test    | 74          | 74              | -               | 50                          | 16              | 2           |
| BioStar OIA                     | 2           | 2               | -               | 1                           | -               | 1           |
| BioStar Strep A MAX OIA         | 53          | 52              | 1               | 40                          | 9               | 3           |
| DE Healthcare TruView           | 3           | 3               | -               | 2                           | 1               | -           |
| Fisher HealthCare Sure-Vue      | 7           | 7               | -               | -                           | 2               | 3           |
| Fisher Sure-Vue Strep A         | 1           | 1               | -               | -                           | -               | 1           |
| Genzyme OSOM Ultra Strep A      | 33          | 32              | 1               | 18                          | 11              | -           |
| Henry Schein One Step           | 3           | 3               | -               | 1                           | 1               | -           |
| Instant Technologies i Strep    | 1           | 1               | -               | 1                           | -               | -           |
| Mainline Confirms               | 4           | 4               | -               | 1                           | 1               | 1           |
| Mainline Confirms Strep A Dots  | 2           | 2               | -               | -                           | 1               | 1           |
| Polymedco Polystat Strep A (I)  | 27          | 27              | -               | 15                          | 8               | 2           |
| Polymedco Polystat Strep A (II) | 16          | 16              | -               | 7                           | 4               | 4           |
| Quidel Cards QS                 | 3           | 3               | -               | -                           | 3               | -           |
| Quidel QuickVue Dipstick Strep  | 17          | 17              | -               | 12                          | 3               | 1           |
| Quidel QuickVue In-Line         | 95          | 85              | 10              | 61                          | 21              | 3           |
| Quidel QuickVue+                | 133         | 133             | -               | 103                         | 22              | 2           |
| Wampole Clearview               | 4           | 4               | -               | 1                           | 2               | 1           |
| Wyntek OSOM                     | 8           | 8               | -               | 7                           | 1               | -           |
| Wyntek OSOM Ultra Strep A       | 18          | 18              | -               | 7                           | 8               | -           |

### Specimen RS-12

| <u>Method</u>                   | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------------------------|-------------|-----------------|-----------------|
| All Methods                     | 716         | 6               | 710             |
| Abbott Signify Strep A-waived   | 92          | -               | 92              |
| Abbott TESTPACK Plus            | 1           | -               | 1               |
| Applied Biotech Signify         | 12          | -               | 12              |
| Applied Biotech SureStep        | 4           | -               | 4               |
| Applied Biotech SureStep II     | 9           | 1               | 8               |
| BD Directigen                   | 1           | -               | 1               |
| BD Directigen 1-2-3             | 2           | -               | 2               |
| BD LINK 2                       | 7           | -               | 7               |
| BD Qtest                        | 27          | 1               | 26              |
| Beckman Coulter ICON DS         | 17          | -               | 17              |
| Beckman Coulter ICON Fx Strep A | 45          | -               | 45              |
| Bio Diagnostics Systems         | 1           | -               | 1               |
| BioStar Acceava Strep A Test    | 73          | -               | 73              |

## STREP A ANTIGEN DETECTION

### Specimen RS-12 (cont'd)

| <u>Method</u>                   | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------------------------|-------------|-----------------|-----------------|
| BioStar OIA                     | 2           | -               | 2               |
| BioStar Strep A MAX OIA         | 53          | -               | 53              |
| DE Healthcare TruView           | 3           | -               | 3               |
| Fisher HealthCare Sure-Vue      | 5           | -               | 5               |
| Fisher Sure-Vue Strep A         | 1           | -               | 1               |
| Genzyme OSOM Ultra Strep A      | 30          | 1               | 29              |
| Henry Schein One Step           | 3           | -               | 3               |
| Instant Technologies i Step     | 1           | -               | 1               |
| Mainline Confirms               | 2           | -               | 2               |
| Mainline Confirms Strep A Dots  | 2           | -               | 2               |
| Polymedco Polystat Strep A (I)  | 27          | -               | 27              |
| Polymedco Polystat Strep A (II) | 15          | 1               | 14              |
| Quidel Cards QS                 | 3           | -               | 3               |
| Quidel QuickVue Dipstick Strep  | 16          | 1               | 15              |
| Quidel QuickVue In-Line         | 93          | 1               | 92              |
| Quidel QuickVue+                | 127         | -               | 127             |
| Wampole Clearview               | 3           | -               | 3               |
| Wyntek OSOM                     | 7           | -               | 7               |
| Wyntek OSOM Ultra Strep A       | 17          | -               | 17              |

### Specimen RS-13

| <u>Method</u>                   | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------------------------|-------------|-----------------|-----------------|
| All Methods                     | 473         | 3               | 470             |
| Abbott Signify Strep A-waived   | 45          | -               | 45              |
| Abbott TESTPACK Plus            | 1           | -               | 1               |
| Applied Biotech Signify         | 12          | -               | 12              |
| Applied Biotech SureStep        | 2           | -               | 2               |
| Applied Biotech SureStep II     | 7           | -               | 7               |
| BD Directigen                   | 1           | -               | 1               |
| BD Directigen 1-2-3             | 2           | -               | 2               |
| BD LINK 2                       | 1           | -               | 1               |
| BD Qtest                        | 26          | 2               | 24              |
| Beckman Coulter ICON DS         | 10          | -               | 10              |
| Beckman Coulter ICON Fx Strep A | 21          | 1               | 20              |
| Bio Diagnostics Systems         | 1           | -               | 1               |
| BioStar Acceava Strep A Test    | 30          | -               | 30              |
| BioStar OIA                     | 2           | -               | 2               |
| BioStar Strep A MAX OIA         | 52          | -               | 52              |
| Fisher HealthCare Sure-Vue      | 3           | -               | 3               |
| Genzyme OSOM Ultra Strep A      | 20          | -               | 20              |
| Henry Schein One Step           | 3           | -               | 3               |
| Instant Technologies i Strep    | 1           | -               | 1               |
| Mainline Confirms               | 2           | -               | 2               |
| Mainline Confirms Strep A Dots  | 2           | -               | 2               |
| Polymedco Polystat Strep A (I)  | 22          | -               | 22              |
| Polymedco Polystat Strep A (II) | 8           | -               | 8               |

## STREP A ANTIGEN DETECTION

### Specimen RS-13 (cont'd)

| <u>Method</u>                  | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|--------------------------------|-------------|-----------------|-----------------|
| Quidel Cards QS                | 3           | -               | 3               |
| Quidel QuickVue Dipstick Strep | 13          | -               | 13              |
| Quidel QuickVue In-Line        | 38          | -               | 38              |
| Quidel QuickVue+               | 122         | -               | 122             |
| Wampole Clearview              | 2           | -               | 2               |
| Wyntek OSOM                    | 6           | -               | 6               |
| Wyntek OSOM Ultra Strep A      | 9           | -               | 9               |

### Specimen RS-14

| <u>Method</u>                   | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------------------------|-------------|-----------------|-----------------|
| All Methods                     | 395         | 3               | 392             |
| Abbott Signify Strep A-waived   | 35          | -               | 35              |
| Abbott TESTPACK Plus            | 1           | -               | 1               |
| Applied Biotech Signify         | 10          | 1               | 9               |
| Applied Biotech SureStep        | 1           | -               | 1               |
| Applied Biotech SureStep II     | 7           | -               | 7               |
| BD Directigen                   | 1           | -               | 1               |
| BD Directigen 1-2-3             | 1           | -               | 1               |
| BD LINK 2                       | 1           | -               | 1               |
| BD Qtest                        | 20          | -               | 20              |
| Beckman Coulter ICON DS         | 10          | -               | 10              |
| Beckman Coulter ICON Fx Strep A | 18          | 1               | 17              |
| Bio Diagnostics Systems         | 1           | -               | 1               |
| BioStar Acceava Strep A Test    | 23          | -               | 23              |
| BioStar OIA                     | 2           | -               | 2               |
| BioStar Strep A MAX OIA         | 50          | -               | 50              |
| Fisher HealthCare Sure-Vue      | 3           | -               | 3               |
| Genzyme OSOM Ultra Strep A      | 13          | -               | 13              |
| Henry Schein One Step           | 3           | -               | 3               |
| Instant Technologies i Strep    | 1           | -               | 1               |
| Mainline Confirms               | 1           | -               | 1               |
| Mainline Confirms Strep A Dots  | 2           | -               | 2               |
| Polymedco Polystat Strep A (I)  | 21          | -               | 21              |
| Polymedco Polystat Strep A (II) | 5           | -               | 5               |
| Quidel Cards QS                 | 3           | -               | 3               |
| Quidel QuickVue Dipstick Strep  | 9           | -               | 9               |
| Quidel QuickVue In-Line         | 35          | -               | 35              |
| Quidel QuickVue+                | 100         | 1               | 99              |
| Wampole Clearview               | 2           | -               | 2               |
| Wyntek OSOM                     | 5           | -               | 5               |
| Wyntek OSOM Ultra Strep A       | 5           | -               | 5               |

## STREP A ANTIGEN DETECTION

### Specimen RS-15

| <u>Method</u>                   | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> | <u>Strength of Reaction</u> |                 |             |
|---------------------------------|-------------|-----------------|-----------------|-----------------------------|-----------------|-------------|
|                                 |             |                 |                 | <u>Strong</u>               | <u>Moderate</u> | <u>Weak</u> |
| All Methods                     | 394         | 387             | 7               | 219                         | 117             | 35          |
| Abbott Signify Strep A-waived   | 35          | 35              | -               | 20                          | 13              | 1           |
| Abbott TESTPACK Plus            | 1           | 1               | -               | 1                           | -               | -           |
| Applied Biotech Signify         | 10          | 10              | -               | 5                           | 3               | 2           |
| Applied Biotech SureStep        | 1           | 1               | -               | -                           | -               | -           |
| Applied Biotech SureStep II     | 7           | 6               | 1               | -                           | 2               | 4           |
| BD Directigen                   | 1           | 1               | -               | 1                           | -               | -           |
| BD Directigen 1-2-3             | 1           | 1               | -               | -                           | -               | 1           |
| BD LINK 2                       | 1           | 1               | -               | -                           | -               | 1           |
| BD Qtest                        | 20          | 20              | -               | 7                           | 12              | -           |
| Beckman Coulter ICON DS         | 10          | 10              | -               | 2                           | 1               | 6           |
| Beckman Coulter ICON Fx Strep A | 17          | 17              | -               | 12                          | 5               | 1           |
| Bio Diagnostics Systems         | 1           | 1               | -               | 1                           | -               | -           |
| BioStar Acceava Strep A Test    | 23          | 23              | -               | 17                          | 2               | -           |
| BioStar OIA                     | 2           | 2               | -               | 1                           | -               | 14          |
| BioStar Strep A MAX OIA         | 50          | 50              | -               | 33                          | 12              | 4           |
| Fisher HealthCare Sure-Vue      | 3           | 3               | -               | -                           | -               | 2           |
| Genzyme OSOM Ultra Strep A      | 13          | 13              | -               | 8                           | 2               | 1           |
| Henry Schein One Step           | 3           | 3               | -               | 1                           | 1               | -           |
| Instant Technologies i Strep    | 1           | 1               | -               | -                           | 1               | -           |
| Mainline Confirms               | 1           | 1               | -               | -                           | -               | 1           |
| Mainline Confirms Strep A Dots  | 2           | 1               | 1               | -                           | 1               | -           |
| Polymedco Polystat Strep A (I)  | 21          | 20              | 1               | 12                          | 6               | 2           |
| Polymedco Polystat Strep A (II) | 5           | 5               | -               | 3                           | 2               | -           |
| Quidel Cards QS                 | 3           | 3               | -               | 2                           | 1               | -           |
| Quidel QuickVue Dipstick Strep  | 9           | 9               | -               | 4                           | 4               | 1           |
| Quidel QuickVue In-Line         | 35          | 33              | 2               | 22                          | 8               | 2           |
| Quidel QuickVue+                | 100         | 98              | 2               | 60                          | 31              | 4           |
| Wampole Clearview               | 2           | 2               | -               | -                           | 2               | -           |
| Wyntek OSOM                     | 5           | 5               | -               | 2                           | 3               | -           |
| Wyntek OSOM Ultra Strep A       | 5           | 5               | -               | 2                           | 3               | -           |

## GENERAL BACTERIOLOGY

### Specimen UC-11 – Urine Culture

| <u>Identification</u>               | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-------------------------------------|-------------|----------------|--------------------|
| Proteus mirabilis                   | 6           | 100%           | Acceptable         |
| <b><u>Gram Stain</u></b>            |             |                |                    |
| Gram negative                       | 4           | 100%           | Acceptable         |
| <b><u>Gram Stain Morphology</u></b> |             |                |                    |
| Rods/bacilli                        | 4           | 100%           |                    |

Organism present in specimen UC-11: *Proteus mirabilis*.

## GENERAL BACTERIOLOGY

### Specimen GC-11 – GC Culture

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Neisseria gonorrhoeae | 4           | 100%           | Acceptable         |

Organism present in specimen GC-11: *Neisseria gonorrhoeae*.

### Specimen BA-7 - Respiratory Culture

| <u>Identification</u>    | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|--------------------------|-------------|----------------|--------------------|
| Streptococcus pneumoniae | 4           | 100%           | Acceptable         |

Organism present in specimen BA-7: *Streptococcus pneumoniae*.

### Specimen BA-8 – Spinal Fluid Culture

| <u>Identification</u>    | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|--------------------------|-------------|----------------|--------------------|
| Neisseria meningitidis   | 3           | 75.0%          | Not graded         |
| Streptococcus pneumoniae | 1           | 25.0%          |                    |

Organism present in specimen BA-8: *Neisseria meningitidis*. This is an ungraded challenge due to less than 80% participant consensus.

### Specimen BA-9 – Wound Culture

| <u>Identification</u>      | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|----------------------------|-------------|----------------|--------------------|
| Pseudomonas aeruginosa     | 5           | 71.4%          | Acceptable         |
| Staphylococcus epidermidis | 1           | 14.3%          | Acceptable         |
| Staph – coagulase neg.     | 1           | 14.3%          | Acceptable         |

Organisms present in specimen BA-9: *Pseudomonas aeruginosa* and *Staphylococcus epidermidis*.

## URINE CULTURE

### Specimen UC-11

| <u>Identification</u>               | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-------------------------------------|-------------|----------------|--------------------|
| Proteus mirabilis                   | 57          | 33.5%          | Acceptable         |
| Presump. Gram negative              | 37          | 21.8%          | Acceptable         |
| Growth, referred for identification | 32          | 18.8%          | Acceptable         |
| Gram negative bacilli               | 18          | 10.6%          | Acceptable         |
| Proteus sp.                         | 12          | 7.1%           | Acceptable         |
| Presump. Proteus sp.                | 11          | 6.5%           | Acceptable         |

### Gram Stain

|               |    |      |            |
|---------------|----|------|------------|
| Gram negative | 71 | 100% | Acceptable |
|---------------|----|------|------------|

## URINE CULTURE

### Specimen UC-11 (cont'd)

| <u>Gram Stain Morphology</u> | <u>Labs</u> | <u>Percent</u> |
|------------------------------|-------------|----------------|
| Rods/bacilli                 | 66          | 98.5%          |
| Cocci0-bacilli               | 1           | 1.5%           |

Organism present in specimen UC-11: *Proteus mirabilis*.

### Specimen UC-12

| <u>Identification</u>               | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-------------------------------------|-------------|----------------|--------------------|
| Growth, referred for identification | 43          | 24.2%          | Acceptable         |
| Staphyococcus saprophyticus         | 40          | 22.5%          | Acceptable         |
| Presump. Gram positive              | 28          | 15.7%          | Acceptable         |
| Gram positive cocci                 | 18          | 10.1%          | Acceptable         |
| Staph – coagulase neg.              | 13          | 7.3%           | Acceptable         |
| Staphyococcus sp.                   | 12          | 6.7%           | Acceptable         |
| Presump. Staphyococcus sp.          | 12          | 6.7%           | Acceptable         |
| Corynebacterium sp.                 | 5           | 2.8%           | Acceptable         |

Organisms present in specimen UC-12: *Staphyococcus saprophyticus* and *Corynebacterium sp.*

### Specimen UC-13

| <u>Identification</u>               | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-------------------------------------|-------------|----------------|--------------------|
| Presump. Gram Negative              | 28          | 28.0%          | Acceptable         |
| Growth, referred for identification | 23          | 23.0%          | Acceptable         |
| Citrobacter freundii                | 17          | 17.0%          | Acceptable         |
| Gram negative bacilli               | 11          | 11.0%          | Acceptable         |
| Citrobacter sp.                     | 1           | 1.0%           | Acceptable         |
| Presump. Escherichia coli           | 9           | 9.0%           |                    |

Organism present in specimen UC-13: *Citrobacter freundii*.

### Specimen UC-14

| <u>Identification</u>               | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-------------------------------------|-------------|----------------|--------------------|
| Presump. Gram negative              | 28          | 43.1%          | Acceptable         |
| Klebsiella pneumoniae               | 13          | 20.0%          | Acceptable         |
| Growth, referred for identification | 9           | 13.9%          | Acceptable         |
| Klebsiella sp.                      | 6           | 9.2%           | Acceptable         |
| Gram negative bacilli               | 5           | 7.7%           | Acceptable         |
| Gram positive cocci                 | 2           | 3.1%           | Acceptable         |
| Presump. Klebsiella sp.             | 2           | 3.1%           | Acceptable         |

Organisms present in specimen UC-14: *Klebsiella pneumoniae* and *Staphyococcus epidermidis*.

## URINE CULTURE

### Specimen UC-15

| <u>Identification</u>               | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-------------------------------------|-------------|----------------|--------------------|
| Growth, referred for identification | 18          | 28.1%          | Acceptable         |
| Presump. Gram positive              | 18          | 28.1%          | Acceptable         |
| Enterococcus sp.                    | 12          | 18.8%          | Acceptable         |
| Gram positive cocci                 | 4           | 6.3%           | Acceptable         |
| Strep. Grp. D – enterococcus        | 3           | 4.7%           | Acceptable         |
| Enterococcus (Strep) faecalis       | 2           | 3.1%           | Acceptable         |
| Corynebacterium sp.                 | 1           | 1.6%           | Acceptable         |
| Presump. Enterococcus sp.           | 1           | 1.6%           | Acceptable         |

Organisms present in specimen UC-15: *Enterococcus faecalis* and *Corynebacterium sp.*

## ANTIMICROBIAL SUSCEPTIBILITY TESTING

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

| <u>Antimicrobial</u>    | <u>-----Agar Diffusion-----</u>     |          |          |          | <u>-----MIC-----</u>                |          |          |          | <u>Acceptable (%)</u> |
|-------------------------|-------------------------------------|----------|----------|----------|-------------------------------------|----------|----------|----------|-----------------------|
|                         | <u>Interpretative category data</u> |          |          |          | <u>Interpretative category data</u> |          |          |          |                       |
|                         | <u>Labs</u>                         | <u>S</u> | <u>I</u> | <u>R</u> | <u>Labs</u>                         | <u>S</u> | <u>I</u> | <u>R</u> |                       |
| Amikacin                | 1                                   | 1        | -        | -        | 3                                   | 3        | -        | -        | 100%                  |
| Amoxicillin/Clavulanate | 15                                  | 15       | -        | -        | 15                                  | 15       | -        | -        | 100%                  |
| Ampicillin              | 90                                  | 90       | -        | -        | 23                                  | 23       | -        | -        | 100%                  |
| Ampicillin/Sulbactam    | -                                   | -        | -        | -        | 3                                   | 3        | -        | -        | 100%                  |
| Augmentin               | -                                   | -        | -        | -        | 1                                   | 1        | -        | -        | 100%                  |
| Aztreonam               | -                                   | -        | -        | -        | 2                                   | 2        | -        | -        | 100%                  |
| Carbenicillin           | 29                                  | 29       | -        | -        | 6                                   | 6        | -        | -        | 100%                  |
| Cefaclor                | 5                                   | 5        | -        | -        | -                                   | -        | -        | -        | 100%                  |
| Cefamandole             | -                                   | -        | -        | -        | 1                                   | 1        | -        | -        | 100%                  |
| Cefazolin               | 11                                  | 10       | 1        | -        | 8                                   | 8        | -        | -        | 95.7%                 |
| Cefixime                | 10                                  | 10       | -        | -        | 1                                   | 1        | -        | -        | 100%                  |
| Cefoperazone            | -                                   | -        | -        | -        | 1                                   | 1        | -        | -        | 100%                  |
| Cefotaxime              | -                                   | -        | -        | -        | 2                                   | 2        | -        | -        | 100%                  |
| Cefoxitin               | -                                   | -        | -        | -        | 2                                   | 2        | -        | -        | 100%                  |
| Ceftazidime             | 2                                   | 2        | -        | -        | 3                                   | 3        | -        | -        | 100%                  |
| Ceftriaxone             | 9                                   | 9        | -        | -        | 11                                  | 11       | -        | -        | 100%                  |
| Cefuroxime              | 3                                   | 3        | -        | -        | 5                                   | 5        | -        | -        | 100%                  |
| Cephalexin              | 1                                   | 1        | -        | -        | -                                   | -        | -        | -        | 100%                  |
| Cephalothin             | 83                                  | 83       | -        | -        | 18                                  | 17       | -        | 1        | 99.3%                 |
| Cinoxacin               | 2                                   | 2        | -        | -        | 1                                   | 1        | -        | -        | 100%                  |
| Ciprofloxacin           | 83                                  | 83       | -        | -        | 23                                  | 22       | 1        | -        | 99.3%                 |
| Doxycycline             | 7                                   | -        | -        | 7        | 1                                   | -        | 1        | -        | 92.3%                 |
| Fosfomycin              | 3                                   | 3        | -        | -        | -                                   | -        | -        | -        | 100%                  |
| Gatifloxacin            | -                                   | -        | -        | -        | 2                                   | 2        | -        | -        | 100%                  |
| Gentamicin              | 45                                  | 45       | -        | -        | 11                                  | 11       | -        | -        | 100%                  |
| Imipenem                | -                                   | -        | -        | -        | 3                                   | 3        | -        | -        | 100%                  |
| Levofloxacin            | 19                                  | 19       | -        | -        | 13                                  | 13       | -        | -        | 100%                  |
| Lomefloxacin            | 1                                   | 1        | -        | -        | 1                                   | 1        | -        | -        | 100%                  |
| Loracarbef              | 1                                   | 1        | -        | -        | -                                   | -        | -        | -        | 100%                  |
| Meropenem               | -                                   | -        | -        | -        | 1                                   | 1        | -        | -        | 100%                  |
| Nalidixic Acid          | 4                                   | 4        | -        | -        | 3                                   | 3        | -        | -        | 100%                  |
| Nitrofurantoin          | 93                                  | 4        | 3        | 86       | 24                                  | -        | 3        | 21       | 91.8%                 |
| Norfloxacin             | 30                                  | 30       | -        | -        | 7                                   | 7        | -        | -        | 98.4%                 |
| Novobiacin              | 1                                   | -        | 1        | -        | -                                   | -        | -        | -        | 100%                  |

**ANTIMICROBIAL SUSCEPTIBILITY TESTING**

**Specimen UC-11, CC-11 (SUS-11) (cont'd)**

| <u>Antimicrobial</u>          | <u>-----Agar Diffusion-----</u>     |          |          |          | <u>-----MIC-----</u>                |          |          |          | <u>Acceptable (%)</u> |
|-------------------------------|-------------------------------------|----------|----------|----------|-------------------------------------|----------|----------|----------|-----------------------|
|                               | <u>Interpretative category data</u> |          |          |          | <u>Interpretative category data</u> |          |          |          |                       |
|                               | <u>Labs</u>                         | <u>S</u> | <u>I</u> | <u>R</u> | <u>Labs</u>                         | <u>S</u> | <u>I</u> | <u>R</u> |                       |
| Ofloxacin                     | 21                                  | 21       | -        | -        | 4                                   | 4        | -        | -        | 100%                  |
| Penicillin-G                  | -                                   | -        | -        | -        | 1                                   | 1        | -        | -        | 100%                  |
| Piperacillin                  | -                                   | -        | -        | -        | 3                                   | 3        | -        | -        | 100%                  |
| Piperacillin/Tazobactam       | -                                   | -        | -        | -        | 2                                   | 2        | -        | -        | 100%                  |
| Sulfamethoxazole              | 2                                   | 2        | -        | -        | -                                   | -        | -        | -        | 100%                  |
| Sulfisoxazole                 | 7                                   | 6        | -        | 1        | 1                                   | 1        | -        | -        | 83.3%                 |
| Sulfonamide                   | 2                                   | 2        | -        | -        | 1                                   | 1        | -        | -        | 100%                  |
| Tetracycline                  | 52                                  | -        | 1        | 51       | 18                                  | -        | -        | 18       | 96.7%                 |
| Ticarcillin                   | 1                                   | 1        | -        | -        | -                                   | -        | -        | -        | 100%                  |
| Ticarcillin/Clavulanate       | -                                   | -        | -        | -        | 3                                   | 3        | -        | -        | 100%                  |
| Tobramycin                    | 2                                   | 2        | -        | -        | 5                                   | 5        | -        | -        | 100%                  |
| Trimethoprim                  | 13                                  | 13       | -        | -        | 6                                   | 6        | -        | -        | 95.8%                 |
| Trimethoprim/Sulfamethoxazole | 92                                  | 92       | -        | -        | 24                                  | 24       | -        | -        | 100%                  |

Organism present in specimen UC-11, CC-11 (SUS-11): *Proteus mirabilis*.

**GC CULTURE**

**Specimen GC-11**

| <u>Identification</u>                | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|--------------------------------------|-------------|----------------|--------------------|
| Pos. for <i>N. gonorrhoeae</i>       | 30          | 52.6%          | Acceptable         |
| Presp. <i>N. gonorrhoeae</i> , refer | 24          | 42.1%          | Acceptable         |
| Growth select. media, referred       | 3           | 5.3%           | Acceptable         |

**Beta-lactamase Testing**

|          |   |       |
|----------|---|-------|
| Negative | 5 | 83.3% |
| Positive | 1 | 16.7% |

**Gram Stain**

|               |    |      |            |
|---------------|----|------|------------|
| Gram negative | 43 | 100% | Acceptable |
|---------------|----|------|------------|

**Gram Stain Morphology**

|                | <u>Labs</u> | <u>Percent</u> |
|----------------|-------------|----------------|
| Diplococci     | 43          | 93.5%          |
| Cocci in pairs | 2           | 4.4%           |
| Cocco-bacilli  | 1           | 2.2%           |

Organism present in specimen GC-11: *Neisseria gonorrhoeae*.

## GC CULTURE

### Specimen GC-12

| <u>Identification</u>   | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-------------------------|-------------|----------------|--------------------|
| No growth               | 18          | 78.3%          | Acceptable         |
| Neg. for N. gonorrhoeae | 5           | 21.7%          | Acceptable         |

Organisms present in specimen GC-12: *Streptococcus sp. Group B* and *Lactobacillus casei*.

### Specimen GC-13

| <u>Identification</u>   | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-------------------------|-------------|----------------|--------------------|
| No growth               | 17          | 81.0%          | Acceptable         |
| Neg. for N. gonorrhoeae | 4           | 19.1%          | Acceptable         |

Organism present in specimen GC-13: *Staphylococcus epidermidis*.

### Specimen GC-14

| <u>Identification</u>          | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|--------------------------------|-------------|----------------|--------------------|
| Presp. N. gonorrhoeae, refer   | 12          | 57.1%          | Acceptable         |
| Pos. for N. gonorrhoeae        | 6           | 28.6%          | Acceptable         |
| Growth select. media, referred | 1           | 4.8%           | Acceptable         |
| Neg. for N. gonorrhoeae        | 2           | 9.5%           |                    |

#### Beta-lactamase Testing

|          |   |       |
|----------|---|-------|
| Negative | 2 | 66.7% |
| Positive | 1 | 33.3% |

Organisms present in specimen GC-14: *Neisseria gonorrhoeae* and *Lactobacillus casei*.

### Specimen GC-15

| <u>Identification</u>   | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-------------------------|-------------|----------------|--------------------|
| No growth               | 16          | 76.2%          | Acceptable         |
| Neg. for N. gonorrhoeae | 5           | 23.8%          | Acceptable         |

Organisms present in specimen GC-15: *Gardnerella vaginalis* and *Staphylococcus epidermidis*.

## COLONY COUNT

### Specimen CC-11

| <u>Method</u>            | <u>Labs</u> | <u>No growth</u> | <u>&lt;10,000 organisms/mL</u> | <u>10,000-100,000 organisms/mL</u> | <u>&gt;100,000 organisms/mL</u> |
|--------------------------|-------------|------------------|--------------------------------|------------------------------------|---------------------------------|
| All Methods              | 131         | -                | 2                              | 38                                 | 91                              |
| Bactercult               | 2           | -                | -                              | -                                  | 2                               |
| Bacti-Star               | 1           | -                | -                              | -                                  | 1                               |
| Bulls Eye                | 8           | -                | -                              | 5                                  | 3                               |
| Calibrated Loop          | 34          | -                | -                              | 8                                  | 26                              |
| Dip-N-Count              | 1           | -                | -                              | -                                  | 1                               |
| HealthLink               | 5           | -                | 1                              | 4                                  | -                               |
| Troy Bacti- Urine, Plate | 1           | -                | -                              | 1                                  | -                               |
| Uri-Check                | 13          | -                | -                              | 4                                  | 9                               |
| Uri-Kit                  | 1           | -                | -                              | 1                                  | -                               |
| Uri-Three                | 1           | -                | -                              | -                                  | 1                               |
| Uricult                  | 60          | -                | 1                              | 13                                 | 46                              |

### Identification- Specimen CC-11

| <u>Identification</u>               | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-------------------------------------|-------------|----------------|--------------------|
| Presump. Proteus sp.                | 20          | 36.4%          | Acceptable         |
| Presump. Gram negative              | 18          | 32.7%          | Acceptable         |
| Growth, referred for identification | 7           | 12.7%          | Acceptable         |
| Proteus sp.                         | 2           | 3.6%           | Acceptable         |
| Proteus mirabilis                   | 2           | 3.6%           | Acceptable         |
| Gram negative bacilli               | 1           | 1.8%           | Acceptable         |
| Bactercult Group III                | 1           | 1.8%           | Acceptable         |

### Gram Stain

|               |   |      |            |
|---------------|---|------|------------|
| Gram negative | 6 | 100% | Acceptable |
|---------------|---|------|------------|

### Gram Stain Morphology

|              |   |      |
|--------------|---|------|
| Rods/bacilli | 9 | 100% |
|--------------|---|------|

Organism present in specimen CC-11: *Proteus mirabilis*.

### Specimen CC-12

| <u>Method</u>            | <u>Labs</u> | <u>No growth</u> | <u>&lt;10,000 organisms/mL</u> | <u>10,000-100,000 organisms/mL</u> | <u>&gt;100,000 organisms/mL</u> |
|--------------------------|-------------|------------------|--------------------------------|------------------------------------|---------------------------------|
| All Methods              | 130         | 2                | 1                              | 15                                 | 112                             |
| Bactercult               | 2           | -                | -                              | -                                  | 2                               |
| Bacti-Star               | 1           | -                | -                              | -                                  | 1                               |
| Bulls Eye                | 7           | -                | -                              | 1                                  | 6                               |
| Calibrated Loop          | 35          | 1                | -                              | -                                  | 34                              |
| Dip-N-Count              | 1           | -                | -                              | -                                  | 1                               |
| HealthLink               | 5           | -                | -                              | 2                                  | 3                               |
| Troy Bacti- Urine, Plate | 1           | -                | -                              | -                                  | 1                               |
| Uri-Check                | 13          | 1                | -                              | 2                                  | 10                              |
| Uri-Kit                  | 1           | -                | -                              | -                                  | 1                               |
| Uri-Three                | 1           | -                | -                              | 1                                  | -                               |
| Uricult                  | 59          | -                | 1                              | 8                                  | 50                              |

## COLONY COUNT

### Identification- Specimen CC-12

| <u>Identification</u>               | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-------------------------------------|-------------|----------------|--------------------|
| Presump. Gram positive              | 17          | 30.9%          | Not graded         |
| Presump. Staphyococcus sp.          | 13          | 23.6%          |                    |
| Growth, referred for identification | 7           | 12.7%          |                    |
| Staphyococcus sp.                   | 2           | 3.6%           |                    |
| Staph – coagulase neg.              | 1           | 1.8%           |                    |
| Staphyococcus saprophyticus         | 1           | 1.8%           |                    |
| Gram positive cocci                 | 1           | 1.8%           |                    |
| Bacturcult Group II                 | 1           | 1.8%           |                    |
| Presump. Enterococcus sp.           | 10          | 18.2%          |                    |

Organisms present in specimen CC-12: *Staphyococcus saprophyticus* and *Corynebacterium sp.* This is an ungraded challenge due to less than 80% referee consensus.

### Identification- Specimen CC-13

| <u>Identification</u>               | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-------------------------------------|-------------|----------------|--------------------|
| Presump. Gram negative              | 12          | 30.0%          | Not graded         |
| Growth, referred for identification | 6           | 15.0%          |                    |
| Bacturcult Group I                  | 2           | 5.0%           |                    |
| Citrobacter sp.                     | 1           | 2.5%           |                    |
| Citrobacter freundii                | 1           | 2.5%           |                    |
| Presump. Escherichia coli           | 12          | 30.0%          |                    |

Organism present in specimen CC-13: *Citrobacter freundii*. This is an ungraded challenge due to less than 80% referee consensus.

### Identification- Specimen CC-14

| <u>Identification</u>               | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-------------------------------------|-------------|----------------|--------------------|
| Presump. Klebsiella sp.             | 21          | 52.5%          | Acceptable         |
| Growth, referred for identification | 7           | 17.5%          | Acceptable         |
| Presump. Gram negative              | 5           | 12.5%          | Acceptable         |
| Klebsiella sp.                      | 1           | 2.5%           | Acceptable         |
| Klebsiella pneumoniae               | 1           | 2.5%           | Acceptable         |

Organisms present in specimen CC-14: *Klebsiella pneumoniae* and *Staphyococcus epidermidis*.

### Identification- Specimen CC-15

| <u>Identification</u>               | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-------------------------------------|-------------|----------------|--------------------|
| Presump. Enterococcus sp.           | 15          | 35.7%          | Acceptable         |
| Presump. Gram positive              | 13          | 31.0%          | Acceptable         |
| Growth, referred for identification | 9           | 21.4%          | Acceptable         |
| Enterococcus sp.                    | 1           | 2.4%           | Acceptable         |
| Streptococcus Group D               | 1           | 2.4%           | Acceptable         |
| Bacturcult Group I                  | 1           | 2.4%           | Acceptable         |

Organism present in specimen CC-15: *Enterococcus faecalis*.

## DERMATOPHYTE SCREEN

### Specimen DM-11

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Dermatophyte absent   | 12          | 75.0%          | Not graded         |
| Dermatophyte present  | 4           | 25.0%          |                    |

Organisms present in specimen DM-11: *Penicillium species* and *Lactobacillus casei*. This is an ungraded challenge due to less than 80% participant consensus.

### Specimen DM-12

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Dermatophyte present  | 10          | 62.5%          | Not graded         |
| Dermatophyte absent   | 6           | 37.5%          |                    |

Organism present in specimen DM-12: *Microsporium audovinii*. This is an ungraded challenge due to less than 80% participant consensus.

## GRAM STAIN

### Specimen GS-11

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Gram positive         | 70          | 98.6%          | Acceptable         |
| Gram negative         | 1           | 1.4%           |                    |

#### Gram Stain Morphology

|                 |    |       |
|-----------------|----|-------|
| Cocci           | 45 | 65.2% |
| Cocci in chains | 18 | 26.1% |
| Cocci in pairs  | 5  | 7.3%  |
| Diplococci      | 1  | 1.5%  |

Organism present in specimen GS-11: *Staphylococcus epidermidis*.

### Specimen GS-12

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Gram negative         | 69          | 97.2%          | Acceptable         |
| Gram positive         | 2           | 2.8%           |                    |

#### Gram Stain Morphology

|                |    |       |
|----------------|----|-------|
| Diplococci     | 56 | 81.2% |
| Cocci in pairs | 7  | 10.1% |
| Cocci          | 3  | 4.4%  |
| Rods/bacilli   | 2  | 2.9%  |
| Cocco-bacilli  | 1  | 1.5%  |

Organism present in specimen GS-12: *Neisseria gonorrhoeae*.

## GRAM STAIN

### Specimen GS-13

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Gram positive         | 35          | 50.0%          | Not graded         |
| Gram negative         | 35          | 50.0%          |                    |

This is an ungraded challenge challenge due to less than 80% referee consensus.

#### Gram Stain Morphology

|                 |    |       |
|-----------------|----|-------|
| Rods/bacilli    | 68 | 98.6% |
| Cocci in chains | 1  | 1.5%  |

Organism present in specimen GS-13: *Lactobacillus sp.*

### Specimen GS-14

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Gram negative         | 66          | 93.0%          | Acceptable         |
| Gram positive         | 5           | 7.0%           |                    |

#### Gram Stain Morphology

|               |    |       |
|---------------|----|-------|
| Rods/bacilli  | 64 | 92.8% |
| Cocco-bacilli | 3  | 4.4%  |
| Cocci         | 1  | 1.5%  |
| Diplococci    | 1  | 1.5%  |

Organism present in specimen GS-14: *Escherichia coli.*

### Specimen GS-15

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Gram positive         | 65          | 91.6%          | Acceptable         |
| Gram negative         | 6           | 8.5%           |                    |

#### Gram Stain Morphology

|                 |    |       |
|-----------------|----|-------|
| Cocci           | 52 | 75.4% |
| Cocci in pairs  | 10 | 14.5% |
| Cocci in chains | 5  | 7.3%  |
| Diplococci      | 1  | 1.5%  |
| Rods/bacilli    | 1  | 1.5%  |

Organism present in specimen GS-15: *Streptococcus pyogenes.*

## CHLAMYDIA (ANTIGEN DETECTION)

### Specimen CY-11

| <u>Method</u>                | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|------------------------------|-------------|-----------------|-----------------|
| All Methods                  | 31          | 1               | 30              |
| BD ProbeTec                  | 3           | -               | 3               |
| Beckman (Sanofi) ACCESS      | 1           | -               | 1               |
| bioMerieux Vitek, Mini Vidas | 2           | -               | 2               |
| BioStar OIA                  | 3           | -               | 3               |
| Gen-Probe                    | 8           | -               | 8               |
| Quidel QuickVue              | 11          | -               | 11              |
| Wampole Clearview            | 1           | -               | 1               |

Organism present in specimen CY-11: *Neisseria gonorrhoeae*.

### Specimen CY-12

| <u>Method</u>                | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|------------------------------|-------------|-----------------|-----------------|
| All Methods                  | 31          | 30              | 1               |
| BD ProbeTec                  | 3           | 3               | -               |
| Beckman (Sanofi) ACCESS      | 1           | 1               | -               |
| bioMerieux Vitek, Mini Vidas | 2           | 2               | -               |
| BioStar OIA                  | 3           | 3               | -               |
| Gen-Probe                    | 8           | 8               | -               |
| Quidel Quick Vue             | 11          | 10              | 1               |
| Wampole Clearview            | 1           | 1               | -               |

Organism present in specimen CY-12: *Chlamydia trachomatis*.

### Specimen CY-13

| <u>Method</u>                | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|------------------------------|-------------|-----------------|-----------------|
| All Methods                  | 26          | -               | 26              |
| BD ProbeTec                  | 3           | -               | 3               |
| Beckman (Sanofi) ACCESS      | 1           | -               | 1               |
| BioMerieux Vitek, Mini Vidas | 2           | -               | 2               |
| BioStar OIA                  | 2           | -               | 2               |
| Gen-Probe                    | 8           | -               | 8               |
| Quidel Quick Vue             | 9           | -               | 9               |
| Wampole Clearview            | 1           | -               | 1               |

Organism present in specimen CY-13: *Neisseria gonorrhoeae*.

## CHLAMYDIA (ANTIGEN DETECTION)

### Specimen CY-14

| <u>Method</u>                | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|------------------------------|-------------|-----------------|-----------------|
| All Methods                  | 26          | 24              | 2               |
| BD ProbeTec                  | 3           | 3               | -               |
| Beckman (Sanofi) ACCESS      | 1           | -               | 1               |
| bioMerieux Vitek, Mini Vidas | 2           | 2               | -               |
| BioStar OIA                  | 2           | 2               | -               |
| Gen-Probe                    | 8           | 8               | -               |
| Quidel QuickVue              | 9           | 8               | 1               |
| Wampole Clearview            | 1           | 1               | -               |

Organism present in specimen CY-14: *Chlamydia trachomatis*.

### Specimen CY-15

| <u>Method</u>                | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|------------------------------|-------------|-----------------|-----------------|
| All Methods                  | 26          | -               | 26              |
| BD ProbeTec                  | 3           | -               | 3               |
| Beckman (Sanofi) ACCESS      | 1           | -               | 1               |
| bioMerieux Vitek, Mini Vidas | 2           | -               | 2               |
| BioStar OIA                  | 2           | -               | 2               |
| Gen-Probe                    | 8           | -               | 8               |
| Quidel QuickVue              | 9           | -               | 9               |
| Wampole Clearview            | 1           | -               | 1               |

Organism present in specimen CY-15: *Neisseria gonorrhoeae*.

## GC (ANTIGEN DETECTION)

### Specimen CY-11

| <u>Method</u> | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------|-------------|-----------------|-----------------|
| All Methods   | 10          | 10              | -               |
| BD ProbeTec   | 3           | 3               | -               |
| Gen-Probe     | 6           | 6               | -               |

### Specimen CY-12

| <u>Method</u> | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------|-------------|-----------------|-----------------|
| All Methods   | 10          | -               | 10              |
| BD ProbeTec   | 3           | -               | 3               |
| Gen-Probe     | 6           | -               | 6               |

### Specimen CY-13

| <u>Method</u> | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------|-------------|-----------------|-----------------|
| All Methods   | 10          | 10              | -               |
| BD ProbeTec   | 3           | 3               | -               |
| Gen-Probe     | 6           | 6               | -               |

## GC (ANTIGEN DETECTION)

### Specimen CY-14

| <u>Method</u> | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------|-------------|-----------------|-----------------|
| All Methods   | 10          | 1               | 9               |
| BD ProbeTec   | 3           | 1               | 2               |
| Gen-Probe     | 6           | -               | 6               |

### Specimen CY-15

| <u>Method</u> | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------|-------------|-----------------|-----------------|
| All Methods   | 10          | 10              | -               |
| BD ProbeTec   | 3           | 3               | -               |
| Gen-Probe     | 6           | 6               | -               |

## AFFIRM VP III- Gardnerella vaginalis

### Specimen VP-11

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Negative              | 38          | 92.7%          | Acceptable         |
| Positive              | 3           | 7.3%           |                    |

Organism present in specimen VP-11: Negative (sterile) specimen.

### Specimen VP-12

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Negative              | 39          | 95.1%          | Acceptable         |
| Positive              | 2           | 4.9%           |                    |

Organism present in specimen VP-12: *Candida albicans*.

### Specimen VP-13

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Positive              | 38          | 92.7%          | Acceptable         |
| Negative              | 3           | 7.3%           |                    |

Organisms present in specimen VP-13: *Gardnerella vaginalis* and *Trichomonas vaginalis*.

### Specimen VP-14

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Positive              | 41          | 100%           | Acceptable         |

Organisms present in specimen VP-14: *Gardnerella vaginalis* and *Candida albicans*.

**AFFIRM VP III- Gardnerella vaginalis****Specimen VP-15**

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Positive              | 38          | 92.7%          | Acceptable         |
| Negative              | 3           | 7.3%           |                    |

Organism present in specimen VP-15: *Gardnerella vaginalis*.

**AFFIRM VP III- Candida sp.****Specimen VP-11**

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Negative              | 39          | 97.5%          | Acceptable         |
| Positive              | 1           | 2.5%           |                    |

**Specimen VP-12**

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Positive              | 38          | 95.0%          | Acceptable         |
| Negative              | 2           | 5.0%           |                    |

**Specimen VP-13**

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Negative              | 40          | 100%           | Acceptable         |

**Specimen VP-14**

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Positive              | 37          | 92.5%          | Acceptable         |
| Negative              | 3           | 7.5%           |                    |

**Specimen VP-15**

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Negative              | 39          | 97.5%          | Acceptable         |
| Positive              | 1           | 2.5%           |                    |

**AFFIRM VP III- Trichomonas vaginalis****Specimen VP-11**

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Negative              | 40          | 100%           | Acceptable         |

## AFFIRM VP III- Trichomonas vaginalis

### Specimen VP-12

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Negative              | 40          | 100%           | Acceptable         |

### Specimen VP-13

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Positive              | 20          | 50.0%          | Not graded         |
| Negative              | 20          | 50.0%          |                    |

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

### Specimen VP-14

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Negative              | 40          | 100%           | Acceptable         |

### Specimen VP-15

| <u>Identification</u> | <u>Labs</u> | <u>Percent</u> | <u>Performance</u> |
|-----------------------|-------------|----------------|--------------------|
| Negative              | 39          | 97.5%          | Acceptable         |
| Positive              | 1           | 2.5%           |                    |

## RSV ANTIGEN DETECTION

### Specimen V-11

| <u>Method</u> | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------|-------------|-----------------|-----------------|
| All Methods   | 37          | 1               | 36              |
| BD Directigen | 20          | -               | 20              |
| Binax NOW     | 6           | -               | 6               |
| BioStar OIA   | 11          | 1               | 10              |

Specimen V-11: Negative for RSV antigen.

### Specimen V-12

| <u>Method</u> | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------|-------------|-----------------|-----------------|
| All Methods   | 37          | 37              | -               |
| BD Directigen | 20          | 20              | -               |
| Binax NOW     | 6           | 6               | -               |
| BioStar OIA   | 11          | 11              | -               |

Specimen V-12: Positive for RSV antigen.

## RSV ANTIGEN DETECTION

### Specimen V-13

| <u>Method</u> | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------|-------------|-----------------|-----------------|
| All Methods   | 37          | 1               | 36              |
| BD Directigen | 20          | -               | 20              |
| Binax NOW     | 6           | -               | 6               |
| BioStar OIA   | 11          | 1               | 10              |

Specimen V-13: Negative for RSV antigen.

### Specimen V-14

| <u>Method</u> | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------|-------------|-----------------|-----------------|
| All Methods   | 37          | 36              | 1               |
| BD Directigen | 20          | 19              | 1               |
| Binax NOW     | 6           | 6               | -               |
| BioStar OIA   | 11          | 11              | -               |

Specimen V-14: Positive for RSV antigen.

### Specimen V-15

| <u>Method</u> | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------|-------------|-----------------|-----------------|
| All Methods   | 37          | 1               | 36              |
| BD Directigen | 20          | -               | 20              |
| Binax NOW     | 6           | -               | 6               |
| BioStar OIA   | 11          | 1               | 10              |

Specimen V-15: Negative for RSV antigen.

## INFLUENZA A ANTIGEN DETECTION

### Specimen V-11

| <u>Method</u>             | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------------------|-------------|-----------------|-----------------|
| All Methods               | 90          | 88              | 2               |
| BD Directigen             | 10          | 10              | -               |
| Binax NOW                 | 2           | 2               | -               |
| BioStar OIA               | 19          | 19              | -               |
| Quidel QuickVue Influenza | 50          | 50              | -               |
| ZymeTx                    | 7           | 5               | 2               |

Specimen V-11: Positive for Influenza A antigen.

## INFLUENZA A ANTIGEN DETECTION

### Specimen V-12

| <b><u>Method</u></b>      | <b><u>Labs</u></b> | <b><u>Positive</u></b> | <b><u>Negative</u></b> |
|---------------------------|--------------------|------------------------|------------------------|
| All Methods               | 90                 | 1                      | 89                     |
| BD Directigen             | 10                 | -                      | 10                     |
| Binax NOW                 | 2                  | -                      | 2                      |
| BioStar OIA               | 19                 | -                      | 19                     |
| Quidel QuickVue Influenza | 50                 | 1                      | 49                     |
| ZymeTx                    | 7                  | -                      | 7                      |

Specimen V-12: Negative for Influenza A antigen.

### Specimen V-13

| <b><u>Method</u></b>      | <b><u>Labs</u></b> | <b><u>Positive</u></b> | <b><u>Negative</u></b> |
|---------------------------|--------------------|------------------------|------------------------|
| All Methods               | 63                 | 62                     | 1                      |
| BD Directigen             | 9                  | 9                      | -                      |
| Binax NOW                 | 2                  | 2                      | -                      |
| BioStar OIA               | 19                 | 19                     | -                      |
| Quidel QuickVue Influenza | 29                 | 29                     | -                      |
| ZymeTx                    | 2                  | 1                      | 1                      |

Specimen V-13: Positive for Influenza A antigen.

### Specimen V-14

| <b><u>Method</u></b>      | <b><u>Labs</u></b> | <b><u>Positive</u></b> | <b><u>Negative</u></b> |
|---------------------------|--------------------|------------------------|------------------------|
| All Methods               | 63                 | 3                      | 60                     |
| BD Directigen             | 9                  | 1                      | 8                      |
| Binax NOW                 | 2                  | -                      | 2                      |
| BioStar OIA               | 19                 | -                      | 19                     |
| Quidel QuickVue Influenza | 29                 | 2                      | 27                     |
| ZymeTx                    | 2                  | -                      | 2                      |

Specimen V-14: Negative for Influenza A antigen.

### Specimen V-15

| <b><u>Method</u></b>      | <b><u>Labs</u></b> | <b><u>Positive</u></b> | <b><u>Negative</u></b> |
|---------------------------|--------------------|------------------------|------------------------|
| All Methods               | 63                 | 44                     | 19                     |
| BD Directigen             | 9                  | 7                      | 2                      |
| Binax NOW                 | 2                  | 2                      | -                      |
| BioStar OIA               | 19                 | 6                      | 13                     |
| Quidel QuickVue Influenza | 29                 | 28                     | 1                      |
| ZymeTx                    | 2                  | -                      | 2                      |

Specimen V-15: Positive for Influenza A antigen.

## LEGIONELLA ANTIGEN DETECTION

### Specimen L-11

| <u>Method</u> | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------|-------------|-----------------|-----------------|
| Binax NOW     | 199         | 1               | 198             |

Specimen L-11: Negative for *Legionella* antigen.

### Specimen L-12

| <u>Method</u> | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------|-------------|-----------------|-----------------|
| Binax NOW     | 198         | 2               | 196             |

Specimen L-12: Negative for *Legionella* antigen.

### Specimen L-13

| <u>Method</u> | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------|-------------|-----------------|-----------------|
| Binax NOW     | 199         | 197             | 2               |

Specimen L-13: Positive for *Legionella* antigen.

### Specimen L-14

| <u>Method</u> | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------|-------------|-----------------|-----------------|
| Binax NOW     | 199         | -               | 199             |

Specimen L-14: Negative for *Legionella* antigen.

### Specimen L-15

| <u>Method</u> | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------|-------------|-----------------|-----------------|
| Binax NOW     | 199         | 198             | 1               |

Specimen L-15: Positive for *Legionella* antigen.

## CLOSTRIDIUM DIFFICILE TOXIN ANTIGEN DETECTION

### Specimen AG-11

| <u>Method</u>                | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|------------------------------|-------------|-----------------|-----------------|
| All Methods                  | 22          | 21              | 1               |
| Alexon (Hycor)               | 1           | 1               | -               |
| Becton Dickinson Toxin CD    | 2           | 2               | -               |
| bioMerieux Vitek, Mini Vidas | 1           | 1               | -               |
| Biosite Triage               | 5           | 5               | -               |
| BioStar OIA                  | 8           | 8               | -               |
| Meridian Premier             | 1           | 1               | -               |
| Wampole                      | 1           | -               | 1               |

Specimen AG-11: Positive for *Clostridium difficile* antigen.

## CLOSTRIDIUM DIFFICILE TOXIN ANTIGEN DETECTION

### Specimen AG-12

| <u>Method</u>                | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|------------------------------|-------------|-----------------|-----------------|
| All Methods                  | 22          | -               | 22              |
| Alexon (Hycor)               | 1           | -               | 1               |
| Becton Dickinson Toxin CD    | 2           | -               | 2               |
| bioMerieux Vitek, Mini Vidas | 1           | -               | 1               |
| Biosite Triage               | 5           | -               | 5               |
| BioStar OIA                  | 8           | -               | 8               |
| Meridian Premier             | 1           | -               | 1               |
| Wampole                      | 1           | -               | 1               |

Specimen AG-12: Negative for *Clostridium difficile* antigen.

### Specimen AG-13

| <u>Method</u>                | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|------------------------------|-------------|-----------------|-----------------|
| All Methods                  | 22          | -               | 22              |
| Alexon (Hycor)               | 1           | -               | 1               |
| Becton Dickinson Toxin CD    | 2           | -               | 2               |
| bioMerieux Vitek, Mini Vidas | 1           | -               | 1               |
| Biosite Triage               | 5           | -               | 5               |
| BioStar OIA                  | 8           | -               | 8               |
| Meridian Premier             | 1           | -               | 1               |
| Wampole                      | 1           | -               | 1               |

Specimen AG-13: Negative for *Clostridium difficile* antigen.

### Specimen AG-14

| <u>Method</u>                | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|------------------------------|-------------|-----------------|-----------------|
| All Methods                  | 22          | -               | 22              |
| Alexon (Hycor)               | 1           | -               | 1               |
| Becton Dickinson Toxin CD    | 2           | -               | 2               |
| bioMerieux Vitek, Mini Vidas | 1           | -               | 1               |
| Biosite Triage               | 5           | -               | 5               |
| BioStar OIA                  | 8           | -               | 8               |
| Meridian Premier             | 1           | -               | 1               |
| Wampole                      | 1           | -               | 1               |

Specimen AG-14: Negative for *Clostridium difficile* antigen.

## CLOSTRIDIUM DIFFICILE TOXIN ANTIGEN DETECTION

### Specimen AG-15

| <u>Method</u>                | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|------------------------------|-------------|-----------------|-----------------|
| All Methods                  | 22          | 22              | -               |
| Alexon (Hycor)               | 1           | 1               | -               |
| Becton Dickinson Toxin CD    | 2           | 2               | -               |
| bioMerieux Vitek, Mini Vidas | 1           | 1               | -               |
| Biosite Triage               | 5           | 5               | -               |
| BioStar OIA                  | 8           | 8               | -               |
| Meridian Premier             | 1           | 1               | -               |
| Wampole                      | 1           | 1               | -               |

Specimen AG-15: Positive for *Clostridium difficile* antigen.

## ROTAVIRUS ANTIGEN DETECTION

### Specimen AG-11

| <u>Method</u>             | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------------------|-------------|-----------------|-----------------|
| All Methods               | 10          | -               | 10              |
| Meridian ImmunoCard       | 3           | -               | 3               |
| Meridian ImmunoCard STAT! | 1           | -               | 1               |

Specimen AG-11: Negative for Rotavirus antigen.

### Specimen AG-12

| <u>Method</u>             | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------------------|-------------|-----------------|-----------------|
| All Methods               | 9           | -               | 9               |
| Meridian ImmunoCard       | 3           | -               | 3               |
| Meridian ImmunoCard STAT! | 1           | -               | 1               |

Specimen AG-12: Negative for Rotavirus antigen.

### Specimen AG-13

| <u>Method</u>             | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------------------|-------------|-----------------|-----------------|
| All Methods               | 10          | 10              | -               |
| Meridian ImmunoCard       | 3           | 3               | -               |
| Meridian ImmunoCard STAT! | 1           | 1               | -               |

Specimen AG-13: Positive for Rotavirus antigen.

### Specimen AG-14

| <u>Method</u>             | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------------------|-------------|-----------------|-----------------|
| All Methods               | 10          | 10              | -               |
| Meridian ImmunoCard       | 3           | 3               | -               |
| Meridian ImmunoCard STAT! | 1           | 1               | -               |

Specimen AG-14: Positive for Rotavirus antigen.

## ROTAVIRUS ANTIGEN DETECTION

### Specimen AG-15

| <u>Method</u>             | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------------------|-------------|-----------------|-----------------|
| All Methods               | 10          | -               | 10              |
| Meridian ImmunoCard       | 3           | -               | 3               |
| Meridian ImmunoCard STAT! | 1           | -               | 1               |

Specimen AG-15: Negative for Rotavirus antigen.

## CRYPTOSPORIDIUM ANTIGEN DETECTION

### Specimen AG-11

| <u>Method</u>             | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------------------|-------------|-----------------|-----------------|
| All Methods               | 5           | -               | 5               |
| Alexon (Hycor)            | 1           | -               | 1               |
| Becton Dickinson ColorPAC | 2           | -               | 2               |
| Biostie Triage            | 1           | -               | 1               |
| Meridian Merifluor        | 1           | -               | 1               |

Specimen AG-11: Negative for *Cryptosporidium* antigen.

### Specimen AG-12

| <u>Method</u>             | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------------------|-------------|-----------------|-----------------|
| All Methods               | 5           | 4               | 1               |
| Alexon (Hycor)            | 1           | 1               | -               |
| Becton Dickinson ColorPAC | 2           | 2               | -               |
| Biosite Triage            | 1           | -               | 1               |
| Meridian Merifluor        | 1           | 1               | -               |

Specimen AG-12: Positive for *Cryptosporidium* antigen.

## GIARDIA LAMBLIA ANTIGEN DETECTION

### Specimen AG-11

| <u>Method</u>             | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------------------|-------------|-----------------|-----------------|
| All Methods               | 10          | -               | 10              |
| Alexon (Hycor)            | 4           | -               | 4               |
| Becton Dickinson ColorPAC | 2           | -               | 2               |
| Biosite Triage            | 1           | -               | 1               |
| Meridian Merifluor        | 1           | -               | 1               |
| Remel RIM Immuno          | 1           | -               | 1               |

Specimen AG-11: Negative for *Giardia lamblia* antigen.

## GIARDIA LAMBLIA ANTIGEN DETECTION

### Specimen AG-12

| <u>Method</u>             | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------------------|-------------|-----------------|-----------------|
| All Methods               | 10          | 9               | 1               |
| Alexon (Hycor)            | 4           | 4               | -               |
| Becton Dickinson ColorPAC | 2           | 2               | -               |
| Biosite Triage            | 1           | -               | 1               |
| Meridian Merifluor        | 1           | 1               | -               |
| Remel RIM Immuno          | 1           | 1               | -               |

Specimen AG-12: Positive for *Giardia lamblia* antigen.

## STREPTOCOCCUS PNEUMONIAE ANTIGEN

### Specimen SP-11

| <u>Method</u> | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------|-------------|-----------------|-----------------|
| Binax NOW     | 72          | -               | 72              |

Specimen SP-11: Negative for *Streptococcus pneumoniae* antigen.

### Specimen SP-12

| <u>Method</u> | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------|-------------|-----------------|-----------------|
| Binax NOW     | 72          | 72              | -               |

Specimen SP-12: Positive for *Streptococcus pneumoniae* antigen.

### Specimen SP-13

| <u>Method</u> | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------|-------------|-----------------|-----------------|
| Binax NOW     | 72          | 72              | -               |

Specimen SP-13: Positive for *Streptococcus pneumoniae* antigen.

### Specimen SP-14

| <u>Method</u> | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------|-------------|-----------------|-----------------|
| Binax NOW     | 72          | -               | 72              |

Specimen SP-14: Negative for *Streptococcus pneumoniae* antigen.

### Specimen SP-15

| <u>Method</u> | <u>Labs</u> | <u>Positive</u> | <u>Negative</u> |
|---------------|-------------|-----------------|-----------------|
| Binax NOW     | 72          | -               | 72              |

Specimen SP-15: Negative for *Streptococcus pneumoniae* antigen.

## **PARASITOLOGY**

One participant reported results for Parasitology. The parasites that are present in each specimen are as follows:

### **PVA Slide**

PA-11 – Giardia lamblia

PA-12 – No parasite seen

### **Fecal Suspension**

PA-13 – Schistosoma mansoni eggs

PA-14 – Ascaris lumbricoides eggs and Trichuris trichuria eggs

### **Blood Smear for Parasites**

PA-15 – Plasmodium vivax

## SUMMARY OF ISOLATES FOUND IN THE 2003 MLE-A3 CULTURE SPECIMENS

| <b>Organism</b>                     | <b>ATCC Strain</b> |
|-------------------------------------|--------------------|
| <i>Enterococcus faecalis</i>        | 29212              |
| <i>Klebsiella pneumoniae</i>        | 13883              |
| <i>Proteus mirabilis</i>            | 12453              |
| <i>Staphylococcus epidermidis</i>   | 14990              |
| <i>Pseudomonas aeruginosa</i>       | 27853              |
| <i>Staphylococcus saprophyticus</i> | 35552              |
| <i>Lactobacillus casei</i>          | 393                |
| <i>Streptococcus sp. Group B</i>    | 12386              |
| <i>Corynebacterium sp.</i>          | 49528              |
| <i>Citrobacter freundii</i>         | 8090               |
| <i>Neisseria gonorrhoeae</i>        | 19424              |
| <i>Gardnerella vaginalis</i>        | 14018              |
| <i>Neisseria mucosa</i>             | 19695              |
| <i>Streptococcus pyogenes</i>       | 19615              |
| <i>Streptococcus pneumoniae</i>     | 6305               |
| <i>Branhamella catarrhalis</i>      | 25238              |
| <i>Haemophilus influenzae</i>       | 10211              |
| <i>Neisseria meningitidis</i>       | 13090              |

### **Medical Laboratory Evaluation**

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