

# **MEDICAL LABORATORY EVALUATION**

## **PARTICIPANT SUMMARY**

**2 • 0 • 1 • 6**

Microbiology  
2016 MLE-M1



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

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## Evaluation Criteria

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

### Qualitative

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

Affirm VP III Candida Antigen Detection	80% Consensus	Influenza A Antigen Detection	80% Consensus
Affirm VP III Gardnerella Ag Detection	80% Consensus	Influenza A/B Antigen Detection	80% Consensus
Affirm VP III Trichomonas Ag Detection	80% Consensus	Influenza B Antigen Detection	80% Consensus
Antimicrobial Susceptibility Testing	80% Consensus	Legionella Antigen Detection	80% Consensus
Bacterial Identification	80% Consensus	Parasite Identification	80% Consensus
C. difficile Toxin/Antigen Detection	80% Consensus	Rotavirus Antigen Detection	80% Consensus
Chlamydia (EIA, DNA)	80% Consensus	RSV Antigen Detection	80% Consensus
Colony Count	80% Consensus	Strep A Antigen Detection	80% Consensus
Cryptosporidium Antigen Detection	80% Consensus	Streptococcus pneumoniae Antigen Detection	80% Consensus
Dermatophyte Screen	80% Consensus	Urine Presumptive Identification	80% Consensus
GC (EIA, DNA)	80% Consensus		
Giardia lamblia Antigen Detection	80% Consensus		
Gram Stain	80% Consensus		
Gram Stain Morphology	80% Consensus		

## THROAT CULTURE

### Specimen TC-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for Group A Strep	119	79.33%	Acceptable
Streptococcus pneumoniae	28	18.67%	Acceptable
Streptococcus alpha-hemolytic	1	0.67%	Acceptable

Organism present in specimen TC-1: *Streptococcus pneumoniae*.

### Specimen TC-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive for Group A Strep	67	51.54%	Acceptable
Presump. Pos. Group A Strep	50	38.46%	Acceptable
Streptococcus pyogenes	11	8.46%	Acceptable

Organism present in specimen TC-2: *Streptococcus pyogenes*.

### Specimen TC-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for Group A Strep	81	96.43%	Acceptable

Organisms present in specimen TC-3: *Moraxella catarrhalis* and *Neisseria mucosa*.

### Specimen TC-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for Group A Strep	74	93.67%	Acceptable

Organism present in specimen TC-4: *Neisseria sicca*.

### Specimen TC-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive for Group A Strep	41	52.25%	Acceptable
Presump. Pos. Group A Strep	34	42.50%	Acceptable
Streptococcus pyogenes	1	1.25%	Acceptable

Organisms present in specimen TC-5: *Streptococcus pyogenes* and *Staphylococcus epidermidis*.

## STREP A ANTIGEN DETECTION

### Specimen RS-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	467	460	7
Abbott Signify Strep A-waived	2	2	-
Alere Acceava Strep A Test	11	10	1
Alere Clearview RSV - waived	1	1	-
Alere Signify Strep A Dipstick	1	1	-
BD Chek Strep A	3	3	-
BD Veritor - waived	8	8	-
Beckman Coulter ICON DS	3	3	-
Beckman Coulter ICON SC	4	4	-
Binax NOW Strep A	5	5	-
Cardinal Health Strep A - waived	5	5	-
Consult Diagnostic Strep A Dipstick - Waived	72	72	-
Fisher HealthCare Sure-Vue - waived	1	1	-
Germaine Laboratories StrepAim	6	6	-
Henry Schein One Step	1	1	-
Henry Schein One Step+ - waived	39	38	1
Immunostics Detector Strep A Direct	1	1	-
McKesson Strep A Dipstick	15	15	-
Other Waived Method	13	13	-
Polymedco Poly Stat Strep A - waived	5	5	-
PSS Select Diag. Strep A Dipstick - waived	4	3	1
Quidel QuickVue Dipstick Strep	69	68	1
Quidel QuickVue In-Line	39	38	1
Quidel QuickVue+	10	10	-
Quidel Sofia - waived	2	2	-
Quidel Sofia Strep A - moderate	1	1	-
Quidel Sofia Strep A+ - waived	8	8	-
Sekisui OSOM	88	88	-
Sekisui OSOM Ultra Strep A	46	44	2

## STREP A ANTIGEN DETECTION

### Specimen RS-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	462	6	456
Abbott Signify Strep A-waived	2	-	2
Alere Acceava Strep A Test	10	-	10
Alere Clearview RSV - waived	1	-	1
Alere Signify Strep A Dipstick	1	-	1
BD Chek Strep A	3	-	3
BD Veritor - waived	8	-	8
Beckman Coulter ICON DS	3	-	3
Beckman Coulter ICON SC	4	-	4
Binax NOW Strep A	5	-	5
Cardinal Health Strep A - waived	5	-	5
Consult Diagnostic Strep A Dipstick - Waived	70	-	70
Fisher HealthCare Sure-Vue - waived	1	-	1
Germaine Laboratories StrepAim	6	-	6
Henry Schein One Step	1	-	1
Henry Schein One Step+ - waived	39	1	38
Immunostics Detector Strep A Direct	1	-	1
McKesson Strep A Dipstick	15	-	15
Other Waived Method	12	-	12
Polymedco Poly Stat Strep A - waived	5	-	5
PSS Select Diag. Strep A Dipstick - waived	4	-	4
Quidel QuickVue Dipstick Strep	68	1	67
Quidel QuickVue In-Line	39	1	38
Quidel QuickVue+	10	-	10
Quidel Sofia - waived	2	-	2
Quidel Sofia Strep A - moderate	1	-	1
Quidel Sofia Strep A+ - waived	8	-	8
Sekisui OSOM	88	1	87
Sekisui OSOM Ultra Strep A	46	2	44

## STREP A ANTIGEN DETECTION

### Specimen RS-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	68	64	4
Alere Acceava Strep A Test	3	3	-
BD Chek Strep A	1	1	-
BD Veritor - waived	2	1	1
Beckman Coulter ICON DS	1	1	-
Beckman Coulter ICON SC	1	1	-
Binax NOW Strep A	1	1	-
Consult Diagnostic Strep A Dipstick - Waived	10	9	1
Henry Schein One Step+ - waived	2	2	-
McKesson Strep A Dipstick	3	3	-
Other Waived Method	1	1	-
PSS Select Diag. Strep A Dipstick - waived	2	2	-
Quidel QuickVue Dipstick Strep	10	9	1
Quidel QuickVue In-Line	15	15	-
Quidel QuickVue+	6	6	-
Quidel Sofia Strep A - moderate	1	1	-
Quidel Sofia Strep A+ - waived	1	1	-
Sekisui OSOM	1	1	-
Sekisui OSOM Ultra Strep A	7	6	1

## STREP A ANTIGEN DETECTION

### Specimen RS-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	63	63	-
Alere Acceava Strep A Test	3	3	-
BD Chek Strep A	1	1	-
BD Veritor - waived	2	2	-
Beckman Coulter ICON DS	1	1	-
Beckman Coulter ICON SC	1	1	-
Binax NOW Strep A	1	1	-
Consult Diagnostic Strep A Dipstick - Waived	10	10	-
Henry Schein One Step+ - waived	1	1	-
McKesson Strep A Dipstick	3	3	-
Other Waived Method	1	1	-
PSS Select Diag. Strep A Dipstick - waived	1	1	-
Quidel QuickVue Dipstick Strep	10	10	-
Quidel QuickVue In-Line	15	15	-
Quidel QuickVue+	6	6	-
Quidel Sofia Strep A - moderate	1	1	-
Quidel Sofia Strep A+ - waived	1	1	-
Sekisui OSOM	1	1	-
Sekisui OSOM Ultra Strep A	4	4	-

### Specimen RS-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	63	-	63
Alere Acceava Strep A Test	3	-	3
BD Chek Strep A	1	-	1
BD Veritor - waived	2	-	2
Beckman Coulter ICON DS	1	-	1
Beckman Coulter ICON SC	1	-	1
Binax NOW Strep A	1	-	1
Consult Diagnostic Strep A Dipstick - Waived	10	-	10
Henry Schein One Step+ - waived	1	-	1
McKesson Strep A Dipstick	3	-	3
Other Waived Method	1	-	1
PSS Select Diag. Strep A Dipstick - waived	1	-	1
Quidel QuickVue Dipstick Strep	10	-	10
Quidel QuickVue In-Line	15	-	15
Quidel QuickVue+	6	-	6
Quidel Sofia Strep A - moderate	1	-	1
Quidel Sofia Strep A+ - waived	1	-	1
Sekisui OSOM	1	-	1
Sekisui OSOM Ultra Strep A	4	-	4

## GENERAL BACTERIOLOGY

### Specimen BA-1 – Fluid Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Streptococcus agalactiae	8	100%	Acceptable

Organism present in specimen BA-1: *Streptococcus agalactiae*.

### Specimen BA-2 – Respiratory Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Burkholderia cepacia	7	38.89%	Acceptable
Enterococcus sp.	6	33.33%	Acceptable
Enterococcus (Strep) faecalis	3	16.67%	Acceptable
Burkholderia sp.	2	11.11%	Acceptable

Organisms present in specimen BA-2: *Burkholderia cepacia* and *Enterococcus (Strep) faecalis*.

### Specimen BA-3 – Wound Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Staphylococcus aureus	10	50.00%	Acceptable
Pasteurella multocida	8	40.00%	Acceptable
Pasteurella sp.	2	10.00%	Acceptable

Organisms present in specimen BA-3: *Staphylococcus aureus* and *Pasteurella multocida*.



## METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS SCREEN

### Specimen MSA-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	5	100%	Acceptable

Organisms present in specimen MSA-1: *Streptococcus pyogenes* and *Streptococcus pneumoniae*.

### Specimen MSA-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	5	100%	Acceptable

Organisms present in specimen MSA-2: *Moraxella catarrhalis* and *Staphylococcus epidermidis*.

### Specimen MSA-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	5	100%	Acceptable

Organisms present in specimen MSA-3: *Staphylococcus aureus* – Methicillin resistant and *Streptococcus sanguinis*.

### Specimen MSA-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	5	100%	Acceptable

Organisms present in specimen MSA-4: *Staphylococcus aureus* – Methicillin resistant and *Neisseria sicca*.

### Specimen MSA-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	5	100%	Acceptable

Organisms present in specimen MSA-5: *Staphylococcus aureus* – Methicillin resistant and *Pseudomonas aeruginosa*.

## URINE CULTURE

### Specimen UC-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Escherichia coli	48	70.59%	Acceptable
Growth, referred for identification	9	13.24%	Acceptable
Gram negative bacilli	6	8.82%	Acceptable
Presump. Escherichia coli	3	4.41%	Acceptable
Presump. Gram negative	2	2.94%	Acceptable

### Gram Stain

Gram negative	38	97.44%	Acceptable
Gram positive	1	2.56%	

### Gram Stain Morphology

Rods/bacilli	38	97.44%	Acceptable
Diplococci	1	2.56%	

Organism present in specimen UC-1: *Escherichia coli*.

### Specimen UC-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Staphylococcus aureus	34	58.62%	Acceptable
Growth, referred for identification	12	20.69%	Acceptable
Gram positive cocci	5	8.62%	Acceptable
Staphylococcus sp.	3	5.17%	Acceptable
Presump. Staphylococcus sp.	2	3.45%	Acceptable
Enterococcus sp.	1	1.72%	Acceptable
Presump. Gram positive	1	1.72%	Acceptable

Organisms present in specimen UC-2: *Staphylococcus aureus* and *Lactobacillus sp.*

### Specimen UC-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
No growth (sterile)	40	100%	Acceptable

Organism present in specimen UC-3: No organism present.

## URINE CULTURE

### Specimen UC-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Enterobacter cloacae	6	35.29%	Acceptable
Presump. Gram negative	3	17.65%	Acceptable
Growth, referred for identification	3	17.65%	Acceptable
Enterobacter sp.	3	17.65%	Acceptable
Corynebacterium sp.	1	5.88%	Acceptable
Gram negative bacilli	1	5.88%	Acceptable

Organisms present in specimen UC-4: *Enterobacter cloacae* and *Corynebacterium sp.*

### Specimen UC-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Streptococcus agalactiae	6	37.50%	Acceptable
Growth, referred for identification	3	18.75%	Acceptable
Presump. Gram positive	3	18.75%	Acceptable
Gram positive cocci	1	6.25%	Acceptable
Presump. Streptococcus sp.	1	6.25%	Acceptable
Strep – beta hemo, not Grp A	1	6.25%	Acceptable

Organism present in specimen UC-5: *Streptococcus agalactiae*.

## ANTIMICROBIAL SUSCEPTIBILITY TESTING

Specimen UC-1, CC-1 (SUS-1) The organism present is: *Escherichia coli*.

<u>Antimicrobial</u>	<u>-----Disk 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	-	-	100.00%
Amoxicillin/Clavulanate	13	10	1	2	4	4	-	-	82.14% <sup>1</sup>
Ampicillin	38	1	-	37	6	-	-	6	98.21%
Ampicillin/Sulbactam	-	-	-	-	3	-	2	1	100.00%
Carbenicillin	1	-	-	1	-	-	-	-	Inappropriate drug <sup>2</sup>
Cefamandole	1	1	-	-	-	-	-	-	100.00%
Cefazolin	14	13	-	1	6	6	-	-	96.43%
Cefepime	-	-	-	-	2	2	-	-	100.00%
Cefixime	7	7	-	-	-	-	-	-	100.00%
Cefoxitin	1	1	-	-	2	2	-	-	100.00%
Cefpodoxime	3	3	-	-	-	-	-	-	100.00%
Ceftazidime	1	1	-	-	3	3	-	-	100.00%
Ceftriaxone	6	6	-	-	4	4	-	-	100.00%
Cefuroxime	12	11	-	1	1	1	-	-	95.45%
Cephalothin	25	20	1	4	1	1	-	-	83.33%
Ciprofloxacin	40	40	-	-	6	6	-	-	100.00%
Doxycycline	1	1	-	-	-	-	-	-	100.00%
Ertapenem	-	-	-	-	1	1	-	-	100.00%
Fosfomycin	4	4	-	-	1	1	-	-	100.00%
Gentamicin	29	29	-	-	5	5	-	-	100.00%
Imipenem	-	-	-	-	2	2	-	-	100.00%
Levofloxacin	9	9	-	-	5	5	-	-	100.00%
Meropenem	-	-	-	-	2	2	-	-	100.00%
Nalidixic Acid	1	1	-	-	-	-	-	-	100.00%
Nitrofurantoin	36	36	-	-	6	6	-	-	100.00%
Norfloxacin	6	6	-	-	-	-	-	-	100.00%
Piperacillin/Tazobactam	2	2	-	-	4	4	-	-	100.00%
Sulfisoxazole	5	5	-	-	-	-	-	-	100.00%
Tetracycline	10	10	-	-	-	-	-	-	100.00%
Tobramycin	4	4	-	-	4	4	-	-	100.00%
Trimethoprim	4	4	-	-	1	1	-	-	100.00%
Trimethoprim/Sulfamethoxazole	40	40	-	-	6	6	-	-	100.00%

NOTE: Please be aware that CLSI issues annual editions of M100, the supplement to the standards used by all proficiency testing programs for grading of susceptibilities. MLE has observed significant changes to which drugs are considered appropriate for various organisms with subsequent supplement editions. The current CLSI M100 document is accessible online at [CLSI.org/m100](http://CLSI.org/m100).

<sup>1</sup> This antibiotic is graded by 90% referee consensus.

<sup>2</sup> This is an inappropriate drug for organism and/or source.

## GENITAL CULTURE

### Specimen GC-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presumptive for <i>N. gonorrhoeae</i>	19	54.29%	Acceptable
<i>Neisseria gonorrhoeae</i>	15	42.86%	Acceptable
Gram negative diplococci	1	2.86%	Acceptable

### Gram Stain

Gram negative	22	100%	Acceptable
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### Gram Stain Morphology

Diplococci	21	95.45%	Acceptable
Cocci bacilli	1	4.55%	

Organism present in specimen GC-1: *Neisseria gonorrhoeae*.

### Specimen GC-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for <i>N. gonorrhoeae</i>	10	100%	Acceptable

Organisms present in specimen GC-2: *Staphylococcus epidermidis* and *Corynebacterium sp.*

### Specimen GC-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presumptive for <i>N. gonorrhea</i>	7	70.00%	Acceptable
<i>Neisseria gonorrhoeae</i>	2	20.00%	Acceptable

Organisms present in specimen GC-3: *Neisseria gonorrhoeae* and *Lactobacillus casei*.

## GENITAL CULTURE

### Specimen GC-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for N. gonorrhoeae	10	100%	Acceptable
Organism present in specimen GC-4: <i>Enterococcus faecalis</i> .			

### Specimen GC-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for N. gonorrhoeae	10	100%	Acceptable
Organism present in specimen GC-5: <i>Escherichia coli</i> .			

## COLONY COUNT/PRESUMPTIVE IDENTIFICATION

### Specimen CC-1

<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	71	11	40	9	11
Calibrated Loop	25	4	14	4	3
HealthLink	1	-	-	-	1
Uri-Check	8	-	5	1	2
Uricult	32	6	17	4	5

### Identification–Specimen CC-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Growth, referred for identification	5	33.33%	Acceptable
Presump. Escherichia coli	3	20.00%	Acceptable
Presump. Gram negative	2	13.33%	Acceptable
Escherichia coli	1	6.67%	Acceptable

Organism present in specimen CC-1: 50,000 – 75,000 CFU/mL of *Escherichia coli*. The colony count was graded by 80% referee consensus.

## COLONY COUNT/PRESUMPTIVE IDENTIFICATION

### Specimen CC-2

<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	71	-	1	2	68
Calibrated Loop	25	-	-	-	25
HealthLink	1	-	-	-	1
Uri-Check	8	-	-	-	8
Uricult	32	-	1	2	29

### Identification–Specimen CC-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram positive	6	37.50%	Acceptable
Growth, referred for identification	5	31.25%	Acceptable
Presump. Staphylococcus sp.	3	18.75%	Acceptable
Staphylococcus aureus	1	6.25%	Acceptable

Organisms present in specimen CC-2: >100,000 CFU/mL of *Staphylococcus aureus* and <10,000 CFU/mL of *Lactobacillus* species.

## COLONY COUNT/PRESUMPTIVE IDENTIFICATION

### Identification–Specimen CC-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
No growth (sterile)	10	71.43%	Acceptable

Organism present in specimen CC-3: No organisms present. This challenge is graded by 80% referee consensus.

### Identification–Specimen CC-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram negative	7	46.67%	Acceptable
Growth, referred for identification	4	26.67%	Acceptable
Presump. Enterobacter sp.	1	6.67%	Acceptable
Presump. Gram positive	1	6.67%	Acceptable
Enterobacter cloacae	1	6.67%	Acceptable
Gram negative bacilli	1	6.67%	Acceptable

Organisms present in specimen CC-4: >100,000 CFU/mL of *Enterobacter cloacae* and <10,000 CFU/mL of *Corynebacterium* sp.

### Identification–Specimen CC-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Growth, referred for identification	5	33.33%	Acceptable
Presump. Gram positive	5	33.33%	Acceptable
Presump. Streptococcus sp.	2	13.33%	Acceptable
Streptococcus agalactiae	1	6.67%	Acceptable

Organism present in specimen CC-5: 50,000 – 75,000 CFU/mL of *Staphylococcus aureus*.



## DERMATOPHYTE SCREEN

### Specimen DM-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Dermatophyte absent	9	52.94%	Acceptable
Dermatophyte present	8	47.06%	

Organism present in specimen DM-1: *Pseudomonas aeruginosa*. This challenge is graded by 80% referee consensus.

### Specimen DM-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Dermatophyte present	17	100%	Acceptable

Organism present in specimen DM-2: *Trichophyton rubrum*.

## GRAM STAIN

### Specimen GS-1

<u>Reaction</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram negative	15	83.33%	Acceptable
Gram positive	3	16.67%	

#### Gram Stain Morphology

Diplococci	15	93.75%	Acceptable
Cocci	1	6.25%	

Organism present in specimen GS-1: *Neisseria gonorrhoeae*.

### Specimen GS-2

<u>Reaction</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram negative	18	100%	Acceptable

#### Gram Stain Morphology

Rods/bacilli	14	87.50%	Acceptable
Cocci	1	6.25%	
Coccobacilli	1	6.25%	

Organism present in specimen GS-2: *Escherichia coli*.

## GRAM STAIN

### Specimen GS-3

<u>Reaction</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram positive	18	100%	Acceptable

#### Gram Stain Morphology

Cocci	14	87.50%	Acceptable
Diplococci	1	6.25%	
Rods/bacilli	1	6.25%	

Organism present in specimen GS-3: *Streptococcus pneumoniae*.

### Specimen GS-4

<u>Reaction</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram negative	16	94.12%	Acceptable
Gram positive	1	5.88%	

#### Gram Stain Morphology

Rods/bacilli	12	80.00%	Acceptable
Coccobacilli	3	20.00%	

Organism present in specimen GS-4: *Pseudomonas aeruginosa*.

### Specimen GS-5

<u>Reaction</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram positive	17	94.44%	Acceptable
Gram negative	1	5.56%	

#### Gram Stain Morphology

Cocci	12	80.00%	Acceptable
Diplococci	2	13.33%	
Coccobacilli	1	6.67%	

Organism present in specimen GS-5: *Staphylococcus aureus*.

## AFFIRM VP III–*Trichomonas vaginalis*

### Specimen VP-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	31	100%	Acceptable

Organism present in specimen VP-1: *Escherichia coli*.

### Specimen VP-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	31	100%	Acceptable

Organism present in specimen VP-2: *Candida* species.

### Specimen VP-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	31	100%	Acceptable

Organisms present in specimen VP-3: *Candida* species and *Gardnerella vaginalis*.

### Specimen VP-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	31	100%	Acceptable

Organism present in specimen VP-4: *Trichomonas vaginalis*.

### Specimen VP-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	31	100%	Acceptable

Organism present in specimen VP-5: *Gardnerella vaginalis*.

**AFFIRM VP III–Gardnerella vaginalis****Specimen VP-1**

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	31	100%	Acceptable

**Specimen VP-2**

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	31	100%	Acceptable

**Specimen VP-3**

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	31	100%	Acceptable

**Specimen VP-4**

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	31	100%	Acceptable

**Specimen VP-5**

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	31	100%	Acceptable

**AFFIRM VP III–Candida sp.****Specimen VP-1**

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	30	96.77%	Acceptable
Positive	1	3.23%	

**Specimen VP-2**

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	30	96.77%	Acceptable
Negative	1	3.23%	

**AFFIRM VP III–Candida sp.****Specimen VP-3**

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	29	93.55%	Acceptable
Negative	2	6.45%	

**Specimen VP-4**

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	31	100%	Acceptable

**Specimen VP-5**

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	31	100%	Acceptable

**CHLAMYDIA (ANTIGEN DETECTION)****Specimen CY-1**

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	16	3	13
BD ProbeTec	3	-	3
BD Viper	1	-	1
Cepheid GeneXpert	2	2	-
Gen-Probe APTIMA	1	1	-
Quidel QuickVue	6	-	6
Roche COBAS Amplicor	3	-	3

Organism present in specimen CY-1: *Neisseria gonorrhoeae*.

**Specimen CY-2**

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	17	17	-
BD ProbeTec	3	3	-
BD Viper	1	1	-
Cepheid GeneXpert	2	2	-
Gen-Probe APTIMA	2	2	-
Quidel QuickVue	6	6	-
Roche COBAS Amplicor	3	3	-

Organisms present in specimen CY-2: *Chlamydia trachomatis*.

## CHLAMYDIA (ANTIGEN DETECTION)

### Specimen CY-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	15	1	14
BD ProbeTec	3	-	3
BD Viper	1	-	1
Cepheid GeneXpert	2	1	1
Gen-Probe APTIMA	2	-	2
Quidel QuickVue	4	-	4
Roche COBAS Amplicor	3	-	3

Organism present in specimen CY-3: No organisms present.

### Specimen CY-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	15	14	1
BD ProbeTec	3	3	-
BD Viper	1	1	-
Cepheid GeneXpert	2	2	-
Gen-Probe APTIMA	2	2	-
Quidel QuickVue	4	3	1
Roche COBAS Amplicor	3	3	-

Organism present in specimen CY-4: *Chlamydia trachomatis*.

### Specimen CY-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	15	15	-
BD ProbeTec	3	3	-
BD Viper	1	1	-
Cepheid GeneXpert	2	2	-
Gen-Probe APTIMA	2	2	-
Quidel QuickVue	4	4	-
Roche COBAS Amplicor	3	3	-

Organisms present in specimen CY-5: *Neisseria gonorrhoeae* and *Chlamydia trachomatis*.

## GC (ANTIGEN DETECTION)

### Specimen CY-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	11	11	-
BD ProbeTec	3	3	-
BD Viper	1	1	-
Cepheid GeneXpert	2	2	-
Gen-Probe APTIMA	2	2	-
Roche COBAS Amplicor	3	3	-

### Specimen CY-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	11	1	10
BD ProbeTec	3	-	3
BD Viper	1	-	1
Cepheid GeneXpert	2	-	2
Gen-Probe APTIMA	2	-	2
Roche COBAS Amplicor	3	1	2

### Specimen CY-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	11	-	11
BD ProbeTec	3	-	3
BD Viper	1	-	1
Cepheid GeneXpert	2	-	2
Gen-Probe APTIMA	2	-	2
Roche COBAS Amplicor	3	-	3

### Specimen CY-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	11	-	11
BD ProbeTec	3	-	3
BD Viper	1	-	1
Cepheid GeneXpert	2	-	2
Gen-Probe APTIMA	2	-	2
Roche COBAS Amplicor	3	-	3

### Specimen CY-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	11	11	-
BD ProbeTec	3	3	-
BD Viper	1	1	-
Cepheid GeneXpert	2	2	-
Gen-Probe APTIMA	2	2	-
Roche COBAS Amplicor	3	3	-

## CRYPTOSPORIDIUM ANTIGEN DETECTION

### Specimen LC-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	2	2	-
Alere CRYPTOSPORIDIUM II	1	1	-
Alere Giardia/Crypto Quik Chek	1	1	-

Antigen present in specimen LC-1: *Cryptosporidium*.

### Specimen LC-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	2	-	2
Alere CRYPTOSPORIDIUM II	1	-	1
Alere Giardia/Crypto Quik Chek	1	-	1

Antigen present in specimen LC-2: *Giardia lamblia*.

### Specimen LC-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	2	2	-
Alere CRYPTOSPORIDIUM II	1	1	-
Alere Giardia/Crypto Quik Chek	1	1	-

Antigens present in specimen LC-3: *Cryptosporidium* and *Giardia lamblia*.

### Specimen LC-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	2	-	2
Alere CRYPTOSPORIDIUM II	1	-	1
Alere Giardia/Crypto Quik Chek	1	-	1

Antigen present in specimen LC-4: *Giardia lamblia*.

### Specimen LC-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	2	-	2
Alere CRYPTOSPORIDIUM II	1	-	1
Alere Giardia/Crypto Quik Chek	1	-	1

Antigen present in specimen LC-5: No antigens present.



## GIARDIA LAMBLIA ANTIGEN DETECTION

### Specimen LC-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	2	-	2
Alere GIARDIA II	1	-	1
Alere Giardia/Crypto Quik Chek	1	-	1

### Specimen LC-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	2	2	-
Alere GIARDIA II	1	1	-
Alere Giardia/Crypto Quik Chek	1	1	-

### Specimen LC-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	2	2	-
Alere GIARDIA II	1	1	-
Alere Giardia/Crypto Quik Chek	1	1	-

### Specimen LC-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	2	2	-
Alere GIARDIA II	1	1	-
Alere Giardia/Crypto Quik Chek	1	1	-

### Specimen LC-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	2	-	2
Alere GIARDIA II	1	-	1
Alere Giardia/Crypto Quik Chek	1	-	1

## RSV ANTIGEN DETECTION

### Specimen V-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	69	69	-
Alere Binax NOW - waived	44	44	-
Alere Clearview RSV - waived	5	5	-
BD Directigen EZ	1	1	-
BD Veritor - waived	1	1	-
Quidel QuickVue RSV - waived	10	10	-
Quidel Sofia - waived	8	8	-

Antigen present in specimen V-1: RSV.

### Specimen V-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	69	1	68
Alere Binax NOW - waived	44	-	44
Alere Clearview RSV - waived	5	1	4
BD Directigen EZ	1	-	1
BD Veritor - waived	1	-	1
Quidel QuickVue RSV - waived	10	-	10
Quidel Sofia - waived	8	-	8

Antigen present in specimen V-2: Influenza B.

### Specimen V-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	13	13	-
Alere Binax NOW - waived	5	5	-
Quidel QuickVue RSV - waived	4	4	-
Quidel Sofia - waived	4	4	-

Antigen present in specimen V-3: RSV.

### Specimen V-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	13	-	13
Alere Binax NOW - waived	5	-	5
Quidel QuickVue RSV - waived	4	-	4
Quidel Sofia - waived	4	-	4

Antigen present in specimen V-4: Influenza A.

## RSV ANTIGEN DETECTION

### Specimen V-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	13	-	13
Alere Binax NOW - waived	5	-	5
Quidel QuickVue RSV - waived	4	-	4
Quidel Sofia - waived	4	-	4

Antigen present in specimen V-5: Influenza A.

## INFLUENZA A/B ANTIGEN DETECTION

### Specimen V-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	39	1	38
Quidel QuickVue Influenza	32	-	32

Antigen present in specimen V-1: RSV.

### Specimen V-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	39	38	1
Quidel QuickVue Influenza	32	32	-

Antigen present in specimen V-2: Influenza B.

### Specimen V-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	11	-	11
Quidel QuickVue Influenza	11	-	11

Antigen present in specimen V-3: RSV.

### Specimen V-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	11	11	-
Quidel QuickVue Influenza	11	11	-

Antigen present in specimen V-4: Influenza A.

## INFLUENZA A/B ANTIGEN DETECTION

### Specimen V-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	11	11	-
Quidel QuickVue Influenza	11	11	-

Antigen present in specimen V-5: Influenza A.

## INFLUENZA A ANTIGEN DETECTION

### Specimen V-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	295	1	294
Alere Binax NOW - waived	73	-	73
Alere i Instrument Influenza	6	-	6
Alere Influenza A&B	11	-	11
BD QTest	1	-	1
BD Veritor	1	-	1
BD Veritor - waived	40	1	39
Cepheid GeneXpert	1	-	1
Henry Schein OneStep+ Flu A&B	3	-	3
Medline Influenza A&B	2	-	2
Quidel QuickVue Influenza A+B	28	-	28
Quidel Sofia - waived	98	-	98
Sekisui OSOM Influenza A&B	16	-	16

Antigen present in specimen V-1: RSV.

### Specimen V-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	294	-	294
Alere Binax NOW - waived	74	-	74
Alere i Instrument Influenza	6	-	6
Alere Influenza A&B	11	-	11
BD QTest	1	-	1
BD Veritor	1	-	1
BD Veritor - waived	39	-	39
Cepheid GeneXpert	1	-	1
Henry Schein OneStep+ Flu A&B	3	-	3
Medline Influenza A&B	2	-	2
Quidel QuickVue Influenza A+B	28	-	28
Quidel Sofia - waived	97	-	97
Sekisui OSOM Influenza A&B	16	-	16

Antigen present in specimen V-2: Influenza B.

## INFLUENZA A ANTIGEN DETECTION

### Specimen V-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	93	-	93
Alere Binax NOW - waived	10	-	10
Alere Influenza A&B	3	-	3
BD Veritor	1	-	1
BD Veritor - waived	5	-	5
Cepheid GeneXpert	1	-	1
Quidel QuickVue Influenza A+B	3	-	3
Quidel Sofia - waived	56	-	56
Sekisui OSOM Influenza A&B	12	-	12

Antigen present in specimen V-3: RSV.

### Specimen V-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	94	94	-
Alere Binax NOW - waived	10	10	-
Alere Influenza A&B	3	3	-
BD Veritor	1	1	-
BD Veritor - waived	5	5	-
Cepheid GeneXpert	1	1	-
Quidel QuickVue Influenza A+B	3	3	-
Quidel Sofia - waived	56	56	-
Sekisui OSOM Influenza A&B	12	12	-

Antigen present in specimen V-4: Influenza A.

### Specimen V-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	94	94	-
Alere Binax NOW - waived	10	10	-
Alere Influenza A&B	3	3	-
BD Veritor	1	1	-
BD Veritor - waived	5	5	-
Henry Schein OneStep+ Flu A&B	1	1	-
Quidel QuickVue Influenza A+B	3	3	-
Quidel Sofia - waived	56	56	-
Sekisui OSOM Influenza A&B	12	12	-

Antigen present in specimen V-5: Influenza A.

## INFLUENZA B ANTIGEN DETECTION

### Specimen V-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	294	1	293
Alere Binax NOW - waived	74	-	74
Alere i Instrument Influenza	5	-	5
Alere Influenza A&B	11	-	11
BD Veritor	1	-	1
BD Veritor - waived	39	-	39
Cepheid GeneXpert	1	-	1
Henry Schein OneStep+ Flu A&B	3	-	3
Medline Influenza A&B	3	-	3
Quidel QuickVue Influenza A+B	28	-	28
Quidel Sofia - waived	95	-	95
Sekisui OSOM Influenza A&B	17	1	16

Antigen present in specimen V-1: RSV.

### Specimen V-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	300	299	1
Alere Binax NOW - waived	76	75	1
Alere i Instrument Influenza	5	5	-
Alere Influenza A&B	11	11	-
BD Veritor	1	1	-
BD Veritor - waived	40	40	-
Cepheid GeneXpert	1	1	-
Henry Schein OneStep+ Flu A&B	3	3	-
Medline Influenza A&B	3	3	-
Quidel QuickVue Influenza A+B	28	28	-
Quidel Sofia - waived	96	96	-
Sekisui OSOM Influenza A&B	17	17	-

Antigen present in specimen V-2: Influenza B.

## INFLUENZA B ANTIGEN DETECTION

### Specimen V-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	93	1	92
Alere Binax NOW - waived	10	-	10
Alere Influenza A&B	3	-	3
BD Veritor	1	-	1
BD Veritor - waived	5	-	5
Cepheid GeneXpert	1	-	1
Quidel QuickVue Influenza A+B	3	-	3
Quidel Sofia - waived	55	-	55
Sekisui OSOM Influenza A&B	13	1	12

Antigen present in specimen V-3: RSV.

### Specimen V-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	93	1	92
Alere Binax NOW - waived	10	-	10
Alere Influenza A&B	3	-	3
BD Veritor	1	-	1
BD Veritor - waived	5	-	5
Cepheid GeneXpert	1	-	1
Quidel QuickVue Influenza A+B	3	-	3
Quidel Sofia - waived	55	-	55
Sekisui OSOM Influenza A&B	13	1	12

Antigen present in specimen V-4: Influenza A.

### Specimen V-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	93	1	92
Alere Binax NOW - waived	10	-	10
Alere Influenza A&B	3	-	3
BD Veritor	1	-	1
BD Veritor - waived	5	-	5
Cepheid GeneXpert	1	-	1
Quidel QuickVue Influenza A+B	3	-	3
Quidel Sofia - waived	55	-	55
Sekisui OSOM Influenza A&B	13	1	12

Antigen present in specimen V-5: Influenza A.

## LEGIONELLA ANTIGEN DETECTION

### Specimen L-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	18	-	18
Binax NOW	18	-	18

Specimen L-1: Negative for Legionella antigen.

### Specimen L-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	18	18	-
Binax NOW	18	18	-

Specimen L-2: Positive for Legionella antigen.

### Specimen L-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	18	-	18
Binax NOW	18	-	18

Specimen L-3: Negative for Legionella antigen.

### Specimen L-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	18	-	18
Binax NOW	18	-	18

Specimen L-4: Negative for Legionella antigen.

### Specimen L-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	18	18	-
Binax NOW	18	18	-

Specimen L-5: Positive for Legionella antigen.



## CLOSTRIDIUM DIFFICILE TOXIN ANTIGEN DETECTION

### Specimen AG-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	7	7	-
Alere C. diff Quik Chek	6	6	-
Meridian Illumigene	1	1	-

Antigen present in specimen AG-1: *Clostridium difficile*.

### Specimen AG-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	7	7	-
Alere C. diff Quik Chek	6	6	-
Meridian Illumigene	1	1	-

Antigens present in specimen AG-2: *Clostridium difficile* and Rotavirus.

### Specimen AG-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	7	7	-
Alere C. diff Quik Chek	6	6	-
Meridian Illumigene	1	1	-

Antigen present in specimen AG-3: *Clostridium difficile*.

### Specimen AG-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	7	-	7
Alere C. diff Quik Chek	6	-	6
Meridian Illumigene	1	-	1

Antigen present in specimen AG-4: No antigens present.

## CLOSTRIDIUM DIFFICILE TOXIN ANTIGEN DETECTION

### Specimen AG-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	7	-	7
Alere C. diff Quik Chek	6	-	6
Meridian Illumigene	1	-	1

Antigen present in specimen AG-5: Rotavirus.

## ROTAVIRUS ANTIGEN DETECTION

### Specimen AG-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	5	-	5
Fisher HealthCare Sure-Vue	5	-	5

### Specimen AG-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	5	5	-
Fisher HealthCare Sure-Vue	5	5	-

### Specimen AG-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	5	-	5
Fisher HealthCare Sure-Vue	5	-	5

### Specimen AG-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	5	-	5
Fisher HealthCare Sure-Vue	5	-	5

## ROTAVIRUS ANTIGEN DETECTION

### Specimen AG-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	5	5	-
Fisher HealthCare Sure-Vue	5	5	-

## STREPTOCOCCUS PNEUMONIAE ANTIGEN

### Specimen SP-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	17	17	-
Binax NOW	17	17	-

Specimen SP-1: Positive for *Streptococcus pneumoniae* antigen.

### Specimen SP-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	17	7	10
Binax NOW	17	7	10

Specimen SP-2: Negative for *Streptococcus pneumoniae* antigen. This challenge is graded by 80% referee consensus.

### Specimen SP-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	17	7	10
Binax NOW	17	7	10

Specimen SP-3: Negative for *Streptococcus pneumoniae* antigen. This challenge is graded by 80% referee consensus.

### Specimen SP-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	17	17	-
Binax NOW	17	17	-

Specimen SP-4: Positive for *Streptococcus pneumoniae* antigen.

### Specimen SP-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	17	17	-
Binax NOW	17	17	-

Specimen SP-5: Positive for *Streptococcus pneumoniae* antigen.

## PARASITOLOGY

### Specimen PA-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
No parasite seen	3	100%	Acceptable

Parasite present in specimen PA-1: No parasite seen.

### Specimen PA-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Entamoeba histolytica	3	100%	Acceptable

Parasite present in specimen PA-2: *Entamoeba histolytica*.

### Specimen PA-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Hookworm	3	50.00%	Ungraded
Entamoeba coli	2	33.33%	Ungraded
Strongyloides stercoralis larvae	1	16.67%	Ungraded

Parasite present in specimen PA-3: *Hookworm*. PA-3 is an ungraded challenge due to less than 80% participant consensus.

### Specimen PA-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Taenia sp. eggs	3	50.00%	Acceptable
Giardia lamblia	1	25.00%	Acceptable

Parasites present in specimen PA-4: *Taenia sp. eggs* and *Giardia lamblia*.

### Specimen PA-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Microfilaria, unsheathed, NOS	1	25.00%	Ungraded
Microfilaria-Mansonella perstans	1	25.00%	Ungraded
Microfilaria-Loa loa	1	25.00%	Ungraded
No parasite seen	1	25.00%	Ungraded

Parasite present in specimen PA-5: Microfilaria-Loa loa. PA-5 is an ungraded challenge due to less than 80% participant consensus.

### Medical Laboratory Evaluation

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