

# **MEDICAL LABORATORY EVALUATION**

## **PARTICIPANT SUMMARY**

**2 • 0 • 0 • 8**



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

Microbiology  
MLE – M3

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## 2008 Evaluation Criteria

The evaluation criteria used in the 2008 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.

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/B Antigen Detection	80% Consensus		
Influenza A Antigen Detection	80% Consensus		
Influenza B Antigen Detection	80% Consensus		

## THROAT CULTURE

### Specimen TC-11

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive for Group A Strep	106	52.74%	Acceptable
Presump. Pos. Group A Strep	85	42.29%	Acceptable
Staphylococcus epidermidis	1	00.50%	Acceptable
Streptococcus pyogenes	1	00.50%	Acceptable

Organisms present in specimen TC-11: *Streptococcus pyogenes* and *Staphylococcus epidermidis*.

### Specimen TC-12

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for Group A Strep	188	95.43%	Acceptable

Organism present in specimen TC-12: *Staphylococcus aureus*.

### Specimen TC-13

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive for Group A Strep	50	53.19%	Acceptable
Presump. Pos. Group A Strep	41	43.62%	Acceptable

Organism present in specimen TC-13: *Streptococcus pyogenes*.

### Specimen TC-14

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive for Group A Strep	77	51.16%	Acceptable
Presump. Pos. Group A Strep	37	43.02%	Acceptable

Organisms present in specimen TC-14: *Streptococcus pyogenes* and *Streptococcus viridans*.

### Specimen TC-15

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for Group A Strep	81	93.10%	Acceptable

Organism present in specimen TC-15: *Streptococcus viridans*.

## 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	687	676	11	383	157	42
Abbott Signify Strep A-waived	16	16	-	9	3	2
Applied Biotech Signify	2	2	-	-	1	-
BD Chek Strep A	2	2	-	-	2	-
BD Directigen	2	2	-	-	2	-
BD Directigen EZ	10	10	-	8	1	-
Beckman Coulter ICON DS	11	11	-	10	1	-
Beckman Coulter ICON SC	5	5	-	4	1	-
Binax NOW Strep A	4	4	-	1	2	-
BioStar Aceava Strep A Test	38	38	-	10	18	3
BioStar OIA	1	1	-	-	-	-
BioStar Strep A MAX OIA	14	14	-	11	1	-
Cardinal Health Strep A - moderate	5	5	-	3	1	-
Cardinal Health Strep A - waived	34	34	-	15	11	2
Fisher HealthCare Sure-Vue	2	2	-	1	-	1
Fisher HealthCare Sure-Vue - waived	1	1	-	1	-	-
Genzyme OSOM	49	47	2	26	4	6
Genzyme OSOM Ultra Strep A	72	71	1	42	19	1
Henry Schein One Step	14	14	-	7	3	2
Immunostics Detector Strep A Direct	2	2	-	-	-	2
Instant Technologies i Strep	4	4	-	2	1	1
Inverness Signify Strep A Dipstick	16	16	-	7	6	2
LifeSign Status Strep A	1	1	-	1	-	-
Mainline Confirms	1	1	-	-	-	1
Mainline Confirms Strep A Dots	1	1	-	1	-	-
McKesson Strep A Cassette	7	7	-	5	1	1
McKesson Strep A Dipstick	15	14	1	3	7	4
Other Moderately Complex Method	5	5	-	2	2	-
Other Waived Method	16	16	-	6	6	1
Polymedco Poly Stat Strep A - moderate	4	4	-	2	2	-
Polymedco Poly Stat Strep A - waived	17	17	-	6	7	1
PSS Select Diag. Strep A Cassette	4	4	-	3	1	-
PSS Select Diag. Strep A Dipstick - waived	31	31	-	13	8	2
Quidel QuickVue Dipstick Strep	104	103	1	64	24	2
Quidel QuickVue In-Line	62	57	5	37	11	6
Quidel QuickVue+	90	89	1	67	6	1
Stanbio QuStick Strep A	2	2	-	-	1	-
Wampole Clearview	5	5	-	4	-	-

**STREP A ANTIGEN DETECTION****Specimen RS-12**

<b><u>Method</u></b>	<b><u>Labs</u></b>	<b><u>Positive</u></b>	<b><u>Negative</u></b>
ALL METHODS	671	10	661
Abbott Signify Strep A-waived	16	-	16
Applied Biotech Signify	1	-	1
BD Chek Strep A	2	-	2
BD Directigen	2	-	2
BD Directigen EZ	10	-	10
Beckman Coulter ICON DS	11	-	11
Beckman Coulter ICON SC	5	-	5
Binax NOW Strep A	4	-	4
BioStar Aceava Strep A Test	35	-	35
BioStar OIA	1	-	1
BioStar Strep A MAX OIA	14	1	13
Cardinal Health Strep A - moderate	5	-	5
Cardinal Health Strep A - waived	34	-	34
Fisher HealthCare Sure-Vue	2	-	2
Fisher HealthCare Sure-Vue - waived	1	-	1
Genzyme OSOM	49	3	46
Genzyme OSOM Ultra Strep A	72	1	71
Henry Schein One Step	13	-	13
Immunostics Detector Strep A Direct	2	-	2
Instant Technologies i Strep	4	-	4
Inverness Signify Strep A Dipstick	16	-	16
LifeSign Status Strep A	1	-	1
Mainline Confirms Strep A Dots	1	-	1
McKesson Strep A Cassette	7	-	7
McKesson Strep A Dipstick	15	-	15
Other Moderately Complex Method	5	-	5
Other Waived Method	16	-	16
Polymedco Poly Stat Strep A - moderate	4	-	4
Polymedco Poly Stat Strep A - waived	17	-	17
PSS Select Diag. Strep A Cassette	4	-	4
PSS Select Diag. Strep A Dipstick - waived	30	1	29
Quidel QuickVue Dipstick Strep	101	2	99
Quidel QuickVue In-Line	60	2	58
Quidel QuickVue+	87	-	87
Stanbio QuStick Strep A	2	-	2
Wampole Clearview	5	-	5

## STREP A ANTIGEN DETECTION

### Specimen RS-13

<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	326	323	3	178	78	18
Abbott Signify Strep A-waived	10	10	-	5	3	-
Applied Biotech Signify	1	1	-	-	-	-
BD Chek Strep A	2	2	-	-	1	1
BD Directigen	2	2	-	-	2	-
BD Directigen EZ	10	10	-	9	-	-
Beckman Coulter ICON DS	7	7	-	5	2	-
Beckman Coulter ICON SC	2	2	-	1	-	1
Binax NOW Strep A	2	2	-	-	2	-
BioStar Aceava Strep A Test	9	9	-	3	3	1
BioStar OIA	1	1	-	-	-	-
BioStar Strep A MAX OIA	14	14	-	8	4	-
Cardinal Health Strep A - moderate	4	4	-	3	1	-
Cardinal Health Strep A - waived	8	8	-	3	3	1
Fisher HealthCare Sure-Vue	1	1	-	-	1	-
Genzyme OSOM	21	21	-	10	4	-
Genzyme OSOM Ultra Strep A	42	42	-	20	18	1
Henry Schein One Step	2	2	-	-	2	1
Immunostics Detector Strep A Direct	1	1	-	-	1	-
Instant Technologies i Strep	3	3	-	1	-	2
Inverness Signify Strep A Dipstick	4	4	-	2	1	1
Mainline Confirms Strep A Dots	1	1	-	-	-	1
McKesson Strep A Cassette	3	3	-	2	1	-
McKesson Strep A Dipstick	10	10	-	3	5	1
Other Moderately Complex Method	5	5	-	2	1	1
Other Waived Method	9	9	-	4	3	2
Polymedco Poly Stat Strep A - moderate	3	3	-	2	1	-
Polymedco Poly Stat Strep A - waived	2	2	-	1	-	-
PSS Select Diag. Strep A Cassette	2	2	-	1	-	1
PSS Select Diag. Strep A Dipstick - waived	6	6	-	1	1	1
Quidel QuickVue Dipstick Strep	20	20	-	10	5	-
Quidel QuickVue In-Line	23	21	2	11	6	2
Quidel QuickVue+	83	82	1	61	6	-
Stanbio QuStick Strep A	1	1	-	1	-	-
Wampole Clearview	1	1	-	1	-	-

**STREP A ANTIGEN DETECTION**

**Specimen RS-14**

<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	272	267	5	147	63	14
Abbott Signify Strep A-waived	9	9	-	6	2	-
Applied Biotech Signify	1	1	-	-	-	-
BD Chek Strep A	1	1	-	-	-	1
BD Directigen	2	2	-	-	2	-
BD Directigen EZ	10	10	-	9	-	-
Beckman Coulter ICON DS	7	6	1	4	2	-
Beckman Coulter ICON SC	1	1	-	1	-	-
Binax NOW Strep A	2	2	-	-	2	-
BioStar Aceava Strep A Test	9	9	-	1	6	-
BioStar OIA	1	1	-	-	-	-
BioStar Strep A MAX OIA	14	14	-	11	1	-
Cardinal Health Strep A - moderate	4	4	-	3	1	-
Cardinal Health Strep A - waived	8	8	-	4	3	-
Fisher HealthCare Sure-Vue	1	1	-	1	-	-
Genzyme OSOM	18	18	-	9	2	1
Genzyme OSOM Ultra Strep A	34	34	-	19	13	-
Henry Schein One Step	2	2	-	-	1	1
Immunostics Detector Strep A Direct	1	1	-	-	1	-
Instant Technologies i Strep	1	1	-	1	-	-
Inverness Signify Strep A Dipstick	4	4	-	1	2	1
Mainline Confirms Strep A Dots	1	1	-	1	-	-
McKesson Strep A Cassette	3	3	-	1	2	-
McKesson Strep A Dipstick	8	7	1	1	3	2
Other Moderately Complex Method	3	3	-	2	1	-
Other Waived Method	9	9	-	2	4	3
Polymedco Poly Stat Strep A - moderate	2	2	-	1	1	-
PSS Select Diag. Strep A Cassette	2	2	-	1	1	-
PSS Select Diag. Strep A Dipstick - waived	6	6	-	1	1	-
Quidel QuickVue Dipstick Strep	13	13	-	7	2	-
Quidel QuickVue In-Line	20	18	2	8	5	3
Quidel QuickVue+	66	65	1	45	5	1
Stanbio QuStick Strep A	1	1	-	1	-	-
Wampole Clearview	1	1	-	1	-	-

## STREP A ANTIGEN DETECTION

### Specimen RS-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	272	6	266
Abbott Signify Strep A-waived	9	-	9
Applied Biotech Signify	1	-	1
BD Chek Strep A	1	-	1
BD Directigen	2	-	2
BD Directigen EZ	10	-	10
Beckman Coulter ICON DS	7	-	7
Beckman Coulter ICON SC	1	-	1
Binax NOW Strep A	2	-	2
BioStar Aceava Strep A Test	9	-	9
BioStar OIA	1	-	1
BioStar Strep A MAX OIA	14	2	12
Cardinal Health Strep A - moderate	4	-	4
Cardinal Health Strep A - waived	8	-	8
Fisher HealthCare Sure-Vue	1	-	1
Genzyme OSOM	18	-	18
Genzyme OSOM Ultra Strep A	34	-	34
Henry Schein One Step	2	-	2
Immunostics Detector Strep A Direct	1	-	1
Instant Technologies i Strep	1	-	1
Inverness Signify Strep A Dipstick	4	-	4
Mainline Confirms Strep A Dots	1	1	-
McKesson Strep A Cassette	3	-	3
McKesson Strep A Dipstick	8	-	8
Other Moderately Complex Method	3	-	3
Other Waived Method	9	-	9
Polymedco Poly Stat Strep A - moderate	2	-	2
PSS Select Diag. Strep A Cassette	2	-	2
PSS Select Diag. Strep A Dipstick - waived	6	-	6
Quidel QuickVue Dipstick Strep	13	1	12
Quidel QuickVue In-Line	20	-	20
Quidel QuickVue+	66	2	64
Stanbio QuStick Strep A	1	-	1
Wampole Clearview	1	-	1

## GENERAL BACTERIOLOGY

### Specimen UC-11 – Urine Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
<i>Pseudomonas aeruginosa</i>	7	100%	Acceptable
<b><u>Gram Stain</u></b>			
Gram negative	8	100%	Acceptable
<b><u>Gram Stain Morphology</u></b>			
Rods/bacilli	7	87.50%	

Organism present in specimen UC-11: *Pseudomonas aeruginosa*.

### Specimen TC-11 – Throat Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
<i>Streptococcus pyogenes</i>	5	41.76%	Acceptable
Positive for Group A Strep	3	25.00%	Acceptable
<i>Staphylococcus epidermidis</i>	1	8.33%	Acceptable
Presump. Pos. Group A Strep	1	8.33%	Acceptable

Organisms present in specimen TC-11: *Streptococcus pyogenes* and *Staphylococcus epidermidis*.

### Specimen BA-7 – Stool Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
<i>Campylobacter jejuni</i>	2	40%	Ungraded

Organisms present in specimen BA-7: *Campylobacter jejuni* and *Escherichia coli*. This is an ungraded challenge due to less than 80% participant consensus.

### Specimen BA-8 – Wound Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
<i>Pasturella multocida</i>	4	57.14%	Acceptable
<i>Neisseria sicca</i>	1	14.29%	Acceptable
Growth, referred for identification	1	14.29%	Acceptable

Organisms present in specimen BA-8: *Pasturella multocida* and *Neisseria sicca*.

### Specimen BA-9 – Blood Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
<i>Enterococcus (Strep) faecalis</i>	4	80%	Acceptable

Organism present in specimen BA-9: *Enterococcus faecalis*.

## URINE CULTURE

### Specimen UC-11

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Pseudomonas aeruginosa	35	35%	Acceptable
Growth, referred for identification	20	20%	Acceptable
Pseudomonas sp.	14	14%	Acceptable
Presump. Pseudomonas sp.	14	14%	Acceptable
Gram negative bacilli	8	8%	Acceptable
Presump. Gram negative	7	7%	Acceptable

### Gram Stain

Gram negative	48	97.96%	Acceptable
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### Gram Stain Morphology

Rods/bacilli	41	93.18%	
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Organism present in specimen UC-11: *Pseudomonas aeruginosa*.

### Specimen UC-12

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Staphylococcus saprophyticus	28	27.72%	Acceptable
Growth, referred for identification	27	26.73%	Acceptable
Gram positive cocci	13	12.87%	Acceptable
Presump. Staphylococcus sp.	9	8.91%	Acceptable
Presump. Gram positive	7	6.93%	Acceptable
Staphylococcus sp.	6	5.94%	Acceptable
Staph – coagulase neg.	5	4.95%	Acceptable

Organisms present in specimen UC-12: *Staphylococcus saprophyticus* and *Lactobacillus casei*.

## URINE CULTURE

### Specimen UC-13

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Proteus mirabilis	20	31.25%	Acceptable
Growth, referred for identification	20	31.25%	Acceptable
Presump. Gram negative	9	14.06%	Acceptable
Gram negative bacilli	6	9.38%	Acceptable
Presump. Proteus sp.	5	7.81%	Acceptable
Proteus sp.	3	4.69%	Acceptable

Organism present in specimen UC-13: *Proteus mirabilis*.

### Specimen UC-14

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
No growth (sterile)	26	89.66%	Acceptable

Organism present in specimen UC-14: Negative culture.

### Specimen UC-15

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Growth, referred for identification	9	31.03%	Acceptable
Streptococcus agalactiae	7	24.14%	Acceptable
Presump. Gram positive	4	13.79%	Acceptable
Presumptive Streptococcus sp.	2	6.90%	Acceptable
Gram positive cocci	2	6.90%	Acceptable
Strep – beta hemo; not Grp A	2	6.90%	Acceptable

Organisms present in specimen UC-15: *Streptococcus Group B* and *Lactobacillus casei*.

**ANTIMICROBIAL SUSCEPTIBILITY TESTING**

**Specimen UC-11, CC-11 (SUS-11)** The organism present is: *Pseudomonas aeruginosa*.

<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	-	-	6	6	-	-	100%
Amoxicillin/Clavulanate	2	-	-	2	1	-	-	1	Inappropriate drug <sup>1</sup>
Ampicillin	7	-	-	7	1	-	-	1	Inappropriate drug <sup>1</sup>
Ampicillin/Sulbactam	-	-	-	-	1	-	-	1	Inappropriate drug <sup>1</sup>
Aztreonam	-	-	-	-	4	4	-	-	100%
Carbenicillin	23	22	-	1	1	-	-	1	93.55%
Cefazolin	2	-	-	2	1	-	-	1	Inappropriate drug <sup>1</sup>
Cefepime	-	-	-	-	4	4	-	-	100%
Cefotaxime	-	-	-	-	3	-	2	1	Not graded <sup>2</sup>
Ceftazidime	5	5	-	-	6	6	-	-	94.12%
Ceftizoxime	-	-	-	-	1	-	-	1	100%
Ceftriaxone	5	3	2	-	5	-	3	2	Not graded <sup>2</sup>
Cefuroxime	-	-	-	-	1	-	-	1	Inappropriate drug <sup>1</sup>
Cephalexin	1	-	-	1	-	-	-	-	Inappropriate drug <sup>1</sup>
Cephalothin	4	-	-	4	1	-	-	1	Inappropriate drug <sup>1</sup>
Ciprofloxacin	50	50	-	-	9	9	-	-	100%
Doxycycline	1	-	-	1	1	-	-	1	Inappropriate drug <sup>1</sup>
Gentamicin	34	33	-	1	8	7	1	-	94.55%
Imipenem	-	-	-	-	4	-	1	3	Not graded <sup>2</sup>
Levofloxacin	17	17	-	-	8	8	-	-	100%
Lomefloxacin	2	-	1	1	-	-	-	-	Not graded <sup>2</sup>
Meropenem	-	-	-	-	1	1	-	-	100%
Nitrofurantoin	10	-	-	10	4	-	-	4	Inappropriate drug <sup>1</sup>
Norfloxacin	14	14	-	-	2	1	1	-	95.24%
Ofloxacin	5	4	1	-	1	1	-	-	Not graded <sup>2</sup>
Piperacillin	-	-	-	-	2	2	-	-	100%
Piperacillin/Tazobactam	-	-	-	-	6	6	-	-	100%
Sulfisoxazole	4	-	-	4	-	-	-	-	Inappropriate drug <sup>1</sup>
Tetracycline	7	1	-	6	1	-	-	1	Inappropriate drug <sup>1</sup>
Ticarcillin/Clavulanate	-	-	-	-	3	3	-	-	100%
Tobramycin	3	3	-	-	6	6	-	-	100%
Trimethoprim	3	-	-	3	1	-	-	1	Inappropriate drug <sup>1</sup>
Trimethoprim/Sulfamethoxazole	15	-	1	14	4	-	-	4	Inappropriate drug <sup>1</sup>

NOTE: Please be aware that CLSI may issue a new edition of the supplement to the standards used by all proficiency testing programs for grading of susceptibilities as often as annually. Please contact CLSI to ensure that you are using the most recent version of these standards when reporting your susceptibilities. MLE has observed significant changes to which drugs are considered appropriate for various organisms with each subsequent supplement editions.

<sup>1</sup> This is an inappropriate drug for this organism and/or source.

<sup>2</sup> This is an ungraded challenge due to less than 80% participant consensus

## GC CULTURE

### Specimen GC-11

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. GC, referred for ID	22	56.41%	Acceptable
Neisseria gonorrhoeae	14	35.90%	Acceptable
Growth select media, referred	1	2.56%	Acceptable

#### Gram Stain

Gram negative	33	100%	Acceptable
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#### Gram Stain Morphology

Diplococci	33	94.29%	
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#### Beta-lactamase Testing

Negative	3	75%	
Positive	1	25%	

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

### Specimen GC-12

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for N. gonorrhoeae	14	63.64%	Acceptable
No growth (sterile)	8	36.36%	Acceptable

Organisms present in specimen GC-12: *Gardnerella vaginalis* and *Staphylococcus epidermidis*.

### Specimen GC-13

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. GC, referred for ID	16	80%	Acceptable
Neisseria gonorrhoeae	2	10%	Acceptable

#### Beta-lactamase Testing

Negative	1	100%	
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Organisms present in specimen GC-13 *Neisseria gonorrhoeae* and *Lactobacillus casei*.

## GC CULTURE

### Specimen GC-14

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for N. gonorrhoeae	12	60%	Acceptable
No growth (sterile)	8	40%	Acceptable

Organism present in specimen GC-14: *Staphylococcus epidermidis*.

### Specimen GC-15

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. GC, referred for ID	16	80%	Acceptable
Neisseria gonorrhoeae	2	10%	Acceptable

### Beta-lactamase Testing

Negative	1	100%
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Organisms present in specimen GC-10: *Neisseria gonorrhoeae* and *Corynebacterium species*.

## COLONY COUNT/PRESUMPTIVE IDENTIFICATION

### 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	96	7	4	34	51
Bacturcult	1	-	-	1	-
Bulls Eye	6	-	-	1	5
Calibrated Loop	26	1	-	13	12
Troy Bacti-Urine, Plate	1	-	1	-	-
Uri-Check	9	1	1	3	4
Uricult	46	5	2	14	25
Uri-Kit	1	-	-	1	-
Uri-Three	1	-	-	1	-

### Identification—Specimen CC-11

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Pseudomonas	10	33.33%	Acceptable
Presump. Gram negative	9	30.00%	Acceptable
Growth, referred for identification	6	20.00%	Acceptable
Pseudomonas aeruginosa	2	6.67%	Acceptable
Bacturcult Group III	1	3.33%	Acceptable

### Gram Stain

Gram negative	4	100%	Acceptable
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### Gram Stain Morphology

Rods/bacilli	5	83.33%
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Organism present in specimen CC-11: Approximately 60,000 - >100,000 CFU/mL of *Pseudomonas aeruginosa*.

## COLONY COUNT/PRESUMPTIVE IDENTIFICATION

### 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	95	9	1	17	68
Bacturcult	1	-	-	-	1
Bulls Eye	5	-	1	1	3
Calibrated Loop	26	1	-	3	22
Troy Bacti-Urine, Plate	1	-	-	1	-
Uri-Check	9	3	-	1	5
Uricult	46	3	-	10	33
Uri-Kit	1	-	-	-	1
Uri-Three	1	-	-	1	-

### Identification–Specimen CC-12

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram positive	10	33.33%	Acceptable
Growth, referred for identification	8	26.67%	Acceptable
Presump. Staphylococcus sp.	7	23.33%	Acceptable
Staphylococcus saprophyticus	1	3.33%	Acceptable

Organisms present in specimen CC-12: >100,000 CFU/mL *Staphylococcus saprophyticus* and approximately 3,500 CFU/mL of *Lactobacillus casei*.

### Identification–Specimen CC-13

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram negative	10	40%	Acceptable
Presump. Proteus sp.	9	36%	Acceptable
Growth, referred for identification	3	12%	Acceptable
Proteus mirabilis	2	8%	Acceptable

Organism present in specimen CC-13: Approximately 24,500 CFU/mL of *Proteus mirabilis*.

### Identification–Specimen CC-14

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
No growth (sterile)	25	100%	Acceptable

Organism present in specimen CC-14: Negative culture.

## COLONY COUNT/PRESUMPTIVE IDENTIFICATION

### Identification–Specimen CC-15

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram positive	13	52%	Acceptable
Growth, referred for identification	4	16%	Acceptable
Streptococcus agalactiae	2	8%	Acceptable
Presumptive Streptococcus sp.	2	8%	Acceptable

Organisms present in specimen CC-15: >100,000 CFU/mL *Streptococcus Group B* and approximately 6,000 CFU/mL of *Lactobacillus casei*.

## DERMATOPHYTE SCREEN

### Specimen DM-11

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Dermatophyte present	12	75%	Ungraded
Dermatophyte absent	4	25%	

Organism present in specimen DM-11: *Epidermophyton floccosum*. 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	14	87.50%	Acceptable
Dermatophyte absent	2	12.50%	

Organisms present in specimen DM-12: *Microsporium audouinii* and *Lactobacillus casei*.

## GRAM STAIN

### Specimen GS-11

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram positive	48	96%	Acceptable
Gram negative	2	4%	

#### Gram Stain Morphology

Cocci	23	51.11%
Cocci in pairs	13	28.89%
Cocci in chains	7	15.56%
Diplococci	2	4.44%

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

### Specimen GS-12

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram positive	48	96%	Acceptable
Gram negative	2	4%	

#### Gram Stain Morphology

Cocci	37	82.22%
Cocci in pairs	6	13.33%
Rods/bacilli	1	2.22
Cocci in chains	1	2.22

Organism present in specimen GS-12: *Staphylococcus epidermidis*.

### Specimen GS-13

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram negative	49	98%	Acceptable
Gram positive	1	2%	

#### Gram Stain Morphology

Rods/bacilli	44	97.78
Cocci in chains	1	2.22%

Organism present in specimen GS-13: *Escherichia coli*.

## GRAM STAIN

### Specimen GS-14

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram negative	50	100%	

#### Gram Stain Morphology

Rods/bacilli	43	95.56%
Cocci in chains	2	4.44%

Organism present in specimen GS-14: *Pseudomonas aeruginosa*.

### Specimen GS-15

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram positive	36	72%	Ungraded
Gram negative	14	28%	

#### Gram Stain Morphology

Cocci in chains	23	51.11%
Cocci	9	20.00%
Diplococci	8	17.78%
Cocci-bacilli	3	6.67%
Cocci in pairs	2	4.44%

Organism present in specimen GS-15: *Streptococcus pneumoniae*. This is an ungraded challenge due to less than 80% referee lab consensus.

## AFFIRM VP III–Trichomonas vaginalis

### Specimen VP-11

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	24	100%	Acceptable

Organism present in specimen VP-11: *Gardnerella vaginalis*.

### Specimen VP-12

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	24	100%	Acceptable

Organisms present in specimen VP-12: *Candida albicans* and *Gardnerella vaginalis*.

## AFFIRM VP III–*Trichomonas vaginalis*

### Specimen VP-13

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	22	91.67%	Acceptable
Negative	2	8.33%	

Organism present in specimen VP-13: *Trichomonas vaginalis*.

### Specimen VP-14

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	24	100%	Acceptable

Organism present in specimen VP-14: *Candida albicans*.

### Specimen VP-15

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	24	100%	Acceptable

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

## AFFIRM VP III–*Gardnerella vaginalis*

### Specimen VP-11

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	24	100%	Acceptable

### Specimen VP-12

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	23	95.83%	Acceptable
Negative	1	4.17%	

### Specimen VP-13

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	24	100%	Acceptable

**AFFIRM VP III–Gardnerella vaginalis****Specimen VP-14**

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	24	100%	Acceptable

**Specimen VP-15**

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	23	95.83%	Acceptable
Negative	1	9.09%	

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

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	24	100%	Acceptable

**Specimen VP-12**

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	23	95.83%	Acceptable
Negative	1	4.17%	

**Specimen VP-13**

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	24	100%	Acceptable

**Specimen VP-14**

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	23	95.83%	Acceptable
Negative	1	4.17%	

**Specimen VP-15**

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	24	100%	Acceptable

## CHLAMYDIA (ANTIGEN DETECTION)

### Specimen CY-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	16	16	-
BD ProbeTec	4	4	-
bioMerieux Vitek, Mini Vidas	1	1	-
BioStar OIA	1	1	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	1	1	-
Quidel QuickVue	5	5	-

Organism present in specimen CY-11: *Chlamydia trachomatis*.

### Specimen CY-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	16	-	16
BD ProbeTec	4	-	4
bioMerieux Vitek, Mini Vidas	1	-	1
BioStar OIA	1	-	1
Gen-Probe	2	-	2
Gen-Probe APTIMA	1	-	1
Quidel QuickVue	5	-	5

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

### Specimen CY-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	12	-	12
BD ProbeTec	4	-	4
bioMerieux Vitek, Mini Vidas	1	-	1
BioStar OIA	1	-	1
Gen-Probe	2	-	2
Gen-Probe APTIMA	1	-	1
Quidel QuickVue	2	-	2

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	12	12	-
BD ProbeTec	4	4	-
bioMerieux Vitek, Mini Vidas	1	1	-
BioStar OIA	1	1	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	1	1	-
Quidel QuickVue	2	2	-

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	12	12	-
BD ProbeTec	4	4	-
bioMerieux Vitek, Mini Vidas	1	1	-
BioStar OIA	1	1	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	1	1	-
Quidel QuickVue	2	2	-

Organisms present in specimen CY-15: *Chlamydia trachomatis* and *Neisseria gonorrhoeae*.

## GC (ANTIGEN DETECTION)

### Specimen CY-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	9	-	9
BD ProbeTec	4	-	4
BioStar OIA	1	-	1
Gen-Probe	2	-	2
Gen-Probe APTIMA	1	-	1

### Specimen CY-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	9	9	-
BD ProbeTec	4	4	-
BioStar OIA	1	1	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	1	1	-

## GC (ANTIGEN DETECTION)

### Specimen CY-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	9	9	-
BD ProbeTec	4	4	-
BioStar OIA	1	1	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	1	1	-

### Specimen CY-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	9	-	9
BD ProbeTec	4	-	4
BioStar OIA	1	-	1
Gen-Probe	2	-	2
Gen-Probe APTIMA	1	-	1

### Specimen CY-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	9	9	-
BD ProbeTec	4	4	-
BioStar OIA	1	1	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	1	1	-

## CRYPTOSPORIDIUM ANTIGEN DETECTION

### Specimen LC-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	6	6	-
Meridian ImmunoCard STAT	2	2	-
Remel Xpect	4	4	-

Antigen present in specimen LC-11: *Cryptosporidium* and *Giardia lamblia*.

### Specimen LC-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	6	-	6
Meridian ImmunoCard STAT	2	-	2
Remel Xpect	4	-	4

Antigens present in specimen LC-12: No antigens were present.

## CRYPTOSPORIDIUM ANTIGEN DETECTION

### Specimen LC-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	6	6	-
Meridian ImmunoCard STAT	2	2	-
Remel Xpect	4	4	-

Antigen present in specimen LC-13: *Cryptosporidium*.

### Specimen LC-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	6	-	6
Meridian ImmunoCard STAT	2	-	2
Remel Xpect	4	-	4

Antigen present in specimen LC-14: No antigens were present.

### Specimen LC-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	6	-	6
Meridian ImmunoCard STAT	2	-	2
Remel Xpect	4	-	4

Antigen present in specimen LC-15: *Giardia lamblia*.

## GIARDIA LAMBLIA ANTIGEN DETECTION

### Specimen LC-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	9	9	-
Alexon (Hycor)	1	1	-
Meridian ImmunoCard STAT	1	1	-
Remel Xpect	5	5	-

### Specimen LC-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	9	-	9
Alexon (Hycor)	1	-	1
Meridian ImmunoCard STAT	1	-	1
Remel Xpect	5	-	5

## GIARDIA LAMBLIA ANTIGEN DETECTION

### Specimen LC-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	9	1	8
Alexon (Hycor)	1	-	1
Meridian ImmunoCard STAT	1	-	1
Remel Xpect	5	-	5

### Specimen LC-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	9	1	8
Alexon (Hycor)	1	-	1
Meridian ImmunoCard STAT	1	-	1
Remel Xpect	5	-	5

### Specimen LC-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	9	9	-
Alexon (Hycor)	1	1	-
Meridian ImmunoCard STAT	1	1	-
Remel Xpect	5	5	-

## RSV ANTIGEN DETECTION

### Specimen V-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	35	-	35
BD Directigen	1	-	1
Binax NOW - waived	19	-	19
BioStar OIA	3	-	3
Fisher HealthCare Sure-Vue - waived	3	-	3
Quidel QuickVue RSV - waived	7	-	7
Remel Xpect - waived	1	-	1
Wampole Clearview RSV - waived	1	-	1

Antigen present in specimen V-11: Influenza A.

## RSV ANTIGEN DETECTION

### Specimen V-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	35	-	35
BD Directigen	1	-	1
Binax NOW - waived	19	-	19
BioStar OIA	3	-	3
Fisher HealthCare Sure-Vue - waived	3	-	3
Quidel QuickVue RSV - waived	7	-	7
Remel Xpect - waived	1	-	1
Wampole Clearview RSV - waived	1	-	1

Antigen present in specimen V-12: Influenza B.

### Specimen V-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	18	18	-
BD Directigen	1	1	-
Binax NOW - waived	9	9	-
BioStar OIA	3	3	-
Fisher HealthCare Sure-Vue - waived	2	2	-
Quidel QuickVue RSV - waived	2	2	-
Wampole Clearview RSV - waived	1	1	-

Antigen present in specimen V-13: RSV

### Specimen V-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	19	-	19
BD Directigen	1	-	1
Binax NOW - waived	9	-	9
BioStar OIA	3	-	3
Fisher HealthCare Sure-Vue - waived	2	-	2
Quidel QuickVue RSV - waived	2	-	2
Remel Xpect - waived	1	-	1
Wampole Clearview RSV - waived	1	-	1

Antigen present in specimen V-14: Influenza A.

## RSV ANTIGEN DETECTION

### Specimen V-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	18	18	-
BD Directigen	1	1	-
Binax NOW - waived	9	9	-
BioStar OIA	3	3	-
Fisher HealthCare Sure-Vue - waived	2	2	-
Quidel QuickVue RSV - waived	2	2	-
Wampole Clearview RSV - waived	1	1	-

Antigen present in specimen V-15: RSV.

## INFLUENZA A/B ANTIGEN DETECTION

### Specimen V-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	83	78	5
BioStar OIA	3	3	-
Quidel QuickVue Influenza	75	71	4

Antigen present in specimen V-11: Influenza A.

### Specimen V-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	83	83	-
BioStar OIA	3	3	-
Quidel QuickVue Influenza	75	75	-

Antigen present in specimen V-12: Influenza B.

### Specimen V-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	22	-	22
BioStar OIA	3	-	3
Quidel QuickVue Influenza	19	-	19

Antigen present in specimen V-13: RSV.

## INFLUENZA A/B ANTIGEN DETECTION

### Specimen V-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	22	22	-
BioStar OIA	3	3	-
Quidel QuickVue Influenza	19	19	-

Antigen present in specimen V-14: Influenza A.

### Specimen V-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	22	-	22
BioStar OIA	3	-	3
Quidel QuickVue Influenza	19	-	19

Antigen present in specimen V-15: RSV.

## INFLUENZA A ANTIGEN DETECTION

### Specimen V-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	130	124	6
Binax NOW - waived	48	45	3
BioStar Flu OIA A/B	3	3	-
Genzyme OSOM	2	2	-
Quidel QuickVue Influenza A+B	70	67	3
Remel Xpect	5	5	-

Antigen present in specimen V-11: Influenza A.

### Specimen V-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	123	1	122
Binax NOW - waived	45	-	45
BioStar Flu OIA A/B	3	-	3
Genzyme OSOM	2	-	2
Quidel QuickVue Influenza A+B	67	1	66
Remel Xpect	5	-	5

Antigen present in specimen V-12: Influenza B.

## INFLUENZA A ANTIGEN DETECTION

### Specimen V-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	43	1	42
Binax NOW - waived	17	1	16
BioStar Flu OIA A/B	3	-	3
Genzyme OSOM	2	-	2
Quidel QuickVue Influenza A+B	16	-	16
Remel Xpect	4	-	4

Antigen present in specimen V-13: RSV.

### Specimen V-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	44	44	-
Binax NOW - waived	17	17	-
BioStar Flu OIA A/B	3	3	-
Genzyme OSOM	2	2	-
Quidel QuickVue Influenza A+B	16	16	-
Remel Xpect	5	5	-

Antigen present in specimen V-14: Influenza A.

### Specimen V-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	43	1	42
Binax NOW - waived	17	-	17
BioStar Flu OIA A/B	3	-	3
Genzyme OSOM	2	-	2
Quidel QuickVue Influenza A+B	16	1	15
Remel Xpect	4	-	4

Antigen present in specimen V-15: RSV.

## INFLUENZA B ANTIGEN DETECTION

### Specimen V-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	123	1	122
Binax NOW - waived	45	-	45
BioStar Flu OIA A/B	3	-	3
Genzyme OSOM	2	-	2
Quidel QuickVue Influenza A+B	67	1	66
Remel Xpect	5	-	5

Antigen present in specimen V-11: Influenza A.

### Specimen V-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	130	130	-
Binax NOW - waived	48	48	-
BioStar Flu OIA A/B	3	3	-
Genzyme OSOM	2	2	-
Quidel QuickVue Influenza A+B	70	70	-
Remel Xpect	5	5	-

Antigen present in specimen V-12: Influenza B.

### Specimen V-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	43	2	41
Binax NOW - waived	17	2	15
BioStar Flu OIA A/B	3	-	3
Genzyme OSOM	2	-	2
Quidel QuickVue Influenza A+B	16	-	16
Remel Xpect	4	-	4

Antigen present in specimen V-13: RSV.

## INFLUENZA B ANTIGEN DETECTION

### Specimen V-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	43	-	43
Binax NOW - waived	16	-	16
BioStar Flu OIA A/B	3	-	3
Genzyme OSOM	2	-	2
Quidel QuickVue Influenza A+B	16	-	16
Remel Xpect	5	-	5

Antigen present in specimen V-14: Influenza A.

### Specimen V-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	43	-	43
Binax NOW - waived	17	-	17
BioStar Flu OIA A/B	3	-	3
Genzyme OSOM	2	-	2
Quidel QuickVue Influenza A+B	16	-	16
Remel Xpect	4	-	4

Antigen present in specimen V-15: RSV.

## LEGIONELLA ANTIGEN DETECTION

### Specimen L-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	62	62	-

Specimen L-11: Positive for Legionella antigen.

### Specimen L-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	62	61	1

Specimen L-12: Positive for Legionella antigen.

### Specimen L-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	62	62	-

Specimen L-13: Positive for Legionella antigen.

## LEGIONELLA ANTIGEN DETECTION

### Specimen L-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	62	1	61

Specimen L-14: Negative for Legionella antigen.

### Specimen L-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	61	-	61

Specimen L-15: Negative 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	14	14	-
bioMerieux Vitek, Mini Vidas	2	2	-
Fisher HealthCare Sure-Vue	1	1	-
Meridian ImmunoCard	3	3	-
Meridian Premier	2	2	-
Remel Xpect	3	3	-

Antigen present in specimen AG-11: *Clostridium difficile*.

### Specimen AG-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	14	-	14
bioMerieux Vitek, Mini Vidas	2	-	2
Fisher HealthCare Sure-Vue	1	-	1
Meridian ImmunoCard	3	-	3
Meridian Premier	2	-	2
Remel Xpect	3	-	3

Antigen present in specimen AG-12: No antigens were present.

## CLOSTRIDIUM DIFFICILE TOXIN ANTIGEN DETECTION

### Specimen AG-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	14	-	14
bioMerieux Vitek, Mini Vidas	2	-	2
Fisher HealthCare Sure-Vue	1	-	1
Meridian ImmunoCard	3	-	3
Meridian Premier	2	-	2
Remel Xpect	3	-	3

Antigen present in specimen AG-13: Rotavirus.

### Specimen AG-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	14	14	-
bioMerieux Vitek, Mini Vidas	2	2	-
Fisher HealthCare Sure-Vue	1	1	-
Meridian ImmunoCard	3	3	-
Meridian Premier	2	2	-
Remel Xpect	3	3	-

Antigen present in specimen AG-14: *Clostridium difficile*.

### Specimen AG-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	14	-	14
bioMerieux Vitek, Mini Vidas	2	-	2
Fisher HealthCare Sure-Vue	1	-	1
Meridian ImmunoCard	3	-	3
Meridian Premier	2	-	2
Remel Xpect	3	-	3

Antigen present in specimen AG-15: Rotavirus.

## ROTAVIRUS ANTIGEN DETECTION

### Specimen AG-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	10	-	10
bioMerieux Vitek, Mini Vidas	1	-	1
Fisher HealthCare Sure-Vue	3	-	3
Meridian ImmunoCard	5	-	5
Remel Xpect	1	-	1

### Specimen AG-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	10	-	10
bioMerieux Vitek, Mini Vidas	1	-	1
Fisher HealthCare Sure-Vue	3	-	3
Meridian ImmunoCard	5	-	5
Remel Xpect	1	-	1

### Specimen AG-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	10	10	-
bioMerieux Vitek, Mini Vidas	1	1	-
Fisher HealthCare Sure-Vue	3	3	-
Meridian ImmunoCard	5	5	-
Remel Xpect	1	1	-

### Specimen AG-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	10	-	10
bioMerieux Vitek, Mini Vidas	1	-	1
Fisher HealthCare Sure-Vue	3	-	3
Meridian ImmunoCard	5	-	5
Remel Xpect	1	-	1

### Specimen AG-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	10	9	1
bioMerieux Vitek, Mini Vidas	1	1	-
Fisher HealthCare Sure-Vue	3	2	1
Meridian ImmunoCard	5	5	-
Remel Xpect	1	1	-

## STREPTOCOCCUS PNEUMONIAE ANTIGEN

### Specimen SP-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	70	69	1

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

### Specimen SP-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	70	-	70

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

### Specimen SP-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	70	70	-

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	70	-	70

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	70	-	70

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

## PARASITOLOGY

### Specimen PA-11

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Chilomastix mesnili	2	66.67%	Acceptable
Protozoan seen but no ID	1	33.33%	Acceptable

Parasite present in specimen PA-11: *Chilomastix mesnili*.

### Specimen PA-12

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
No parasite seen	2	66.67%	Ungraded
Protozoan seen but no ID	1	20%	

Parasite present in specimen PA-12: No parasites present. This is an ungraded challenge due to less than 80% participant consensus.

### Specimen PA-13

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
No parasite seen	6	85.71%	Acceptable
Protozoan seen but no ID	1	14.29%	

Parasite present in specimen PA-13: No parasites present.

### Specimen PA-14

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Diphyllobothrium latum	3	50.00%	Ungraded
No parasite seen	2	33.33%	
Nonpathogenic protozoan present	1	16.67%	

Parasite present in specimen PA-14: *Diphyllobothrium latum*. This is an ungraded challenge due to less than 80% participant consensus.

### Specimen PA-15

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Plasmodium sp., not falciparum	3	60%	Acceptable
Plasmodium sp., NOS	1	20%	Acceptable
Plasmodium malariae	1	20%	

Parasite present in specimen PA-15: *Plasmodium vivax*.

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