

MEDICAL LABORATORY EVALUATION

PARTICIPANT SUMMARY

2 • 0 • 0 • 8



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

Microbiology
MLE – M2

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2008 Evaluation Criteria 2

Microbiology

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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-6

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for Group A Strep	195	94.66%	Acceptable
Gram positive cocci	3	1.46%	Acceptable

Organisms present in specimen TC-6: *Staphylococcus aureus* and *Neisseria sicca*.

Specimen TC-7

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive for Group A Strep	108	52.68%	Acceptable
Presump. Pos. Group A Strep	83	40.49%	Acceptable
Streptococcus pyogenes	5	2.44%	Acceptable
Negative for Group A Strep	9	4.39%	

Organism present in specimen TC-7: *Streptococcus pyogenes*.

Specimen TC-8

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for Group A Strep	90	95.74%	Acceptable

Organisms present in specimen TC-8: *Streptococcus pneumoniae* and *Corynebacterium species*.

Specimen TC-9

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive for Group A Strep	51	58.62%	Acceptable
Presump. Pos. Group A Strep	35	40.23%	Acceptable

Organism present in specimen TC-9: *Streptococcus pyogenes*.

Specimen TC-10

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for Group A Strep	84	96.55%	Acceptable
No growth(sterile)	3	3.45%	Acceptable

Organisms present in specimen TC-10: *Haemophilus influenzae* and *Neisseria mucosa*.

STREP A ANTIGEN DETECTION

Specimen RS-6

<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	689	670	19	416	165	16
Abbott Signify Strep A-waived	16	16	-	7	7	1
Applied Biotech Signify	1	1	-	-	1	-
BD Chek Strep A	2	2	-	1	1	-
BD Directigen	2	2	-	-	2	-
BD Directigen EZ	10	10	-	5	5	-
Beckman Coulter ICON DS	9	8	1	8	1	-
Beckman Coulter ICON SC	4	4	-	3	1	-
Binax NOW Strep A	3	3	-	-	2	-
BioStar Aceava Strep A Test	40	39	1	20	12	2
BioStar OIA	2	2	-	1	-	-
BioStar Strep A MAX OIA	18	18	-	8	5	-
Cardinal Health Strep A - moderate	3	3	-	3	-	-
Cardinal Health Strep A - waived	34	34	-	17	13	1
Fisher HealthCare Sure-Vue	2	2	-	1	1	-
Fisher HealthCare Sure-Vue - waived	4	4	-	1	3	-
Genzyme OSOM	45	44	1	26	12	-
Genzyme OSOM Ultra Strep A	74	73	1	44	19	-
Henry Schein One Step	14	14	-	9	3	-
Immunostics Detector Strep A Direct	3	3	-	2	1	-
Instant Technologies i Strep	5	5	-	2	2	-
Inverness Signify Strep A Dipstick	18	18	-	10	4	3
LifeSign Status Strep A	1	1	-	1	-	-
Mainline Confirms	2	2	-	1	1	-
Mainline Confirms Strep A Dots	1	1	-	-	1	-
McKesson Strep A Cassette	7	7	-	2	2	1
McKesson Strep A Dipstick	14	14	-	3	7	1
McKesson Strep A Test - Twist	3	3	-	2	1	-
Other Moderately Complex Method	4	4	-	3	-	-
Other Waived Method	13	13	-	7	3	-
Polymedco Poly Stat Strep A - moderate	4	3	1	2	1	-
Polymedco Poly Stat Strep A - waived	16	16	-	8	6	-
PSS Select Diag. Strep A Cassette	6	6	-	4	1	-
PSS Select Diag. Strep A Dipstick - waived	24	24	-	11	9	-
Quidel QuickVue Dipstick Strep	99	98	1	67	21	1
Quidel QuickVue In-Line	67	56	11	43	9	4
Quidel QuickVue+	88	87	1	74	4	1
Stanbio QuStick Strep A	2	2	-	1	-	-
Wampole Clearview	4	4	-	3	-	-

STREP A ANTIGEN DETECTION

Specimen RS-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	674	7	667
Abbott Signify Strep A-waived	16	-	16
BD Chek Strep A	2	-	2
BD Directigen	2	-	2
BD Directigen EZ	10	-	10
Beckman Coulter ICON DS	9	1	8
Beckman Coulter ICON SC	4	-	4
Binax NOW Strep A	3	-	3
BioStar Aceava Strep A Test	37	-	37
BioStar OIA	2	-	2
BioStar Strep A MAX OIA	18	1	17
Cardinal Health Strep A - moderate	3	-	3
Cardinal Health Strep A - waived	34	-	34
Fisher HealthCare Sure-Vue	2	-	2
Fisher HealthCare Sure-Vue - waived	4	-	4
Genzyme OSOM	45	1	44
Genzyme OSOM Ultra Strep A	74	1	73
Henry Schein One Step	13	-	13
Immunostics Detector Strep A Direct	3	-	3
Instant Technologies i Strep	5	-	5
Inverness Signify Strep A Dipstick	18	-	18
LifeSign Status Strep A	1	-	1
Mainline Confirms Strep A Dots	1	-	1
McKesson Strep A Cassette	7	-	7
McKesson Strep A Dipstick	13	-	13
McKesson Strep A Test - Twist	3	-	3
Other Moderately Complex Method	4	-	4
Other Waived Method	13	-	13
Polymedco Poly Stat Strep A - moderate	4	-	4
Polymedco Poly Stat Strep A - waived	16	-	16
PSS Select Diag. Strep A Cassette	6	-	6
PSS Select Diag. Strep A Dipstick - waived	23	-	23
Quidel QuickVue Dipstick Strep	96	1	95
Quidel QuickVue In-Line	67	2	65
Quidel QuickVue+	86	-	86
Stanbio QuStick Strep A	2	-	2
Wampole Clearview	4	-	4

STREP A ANTIGEN DETECTION

Specimen RS-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	321	2	319
Abbott Signify Strep A-waived	9	-	9
BD Chek Strep A	2	-	2
BD Directigen	2	-	2
BD Directigen EZ	10	-	10
Beckman Coulter ICON DS	7	-	7
Beckman Coulter ICON SC	2	-	2
Binax NOW Strep A	3	-	3
BioStar Aceava Strep A Test	9	-	9
BioStar OIA	2	-	2
BioStar Strep A MAX OIA	18	1	17
Cardinal Health Strep A - moderate	3	-	3
Cardinal Health Strep A - waived	7	-	7
Fisher HealthCare Sure-Vue	1	-	1
Fisher HealthCare Sure-Vue - waived	1	-	1
Genzyme OSOM	20	-	20
Genzyme OSOM Ultra Strep A	39	-	39
Henry Schein One Step	4	-	4
Immunostics Detector Strep A Direct	1	-	1
Instant Technologies i Strep	4	-	4
Inverness Signify Strep A Dipstick	4	-	4
Mainline Confirms Strep A Dots	1	-	1
McKesson Strep A Cassette	4	-	4
McKesson Strep A Dipstick	9	1	8
McKesson Strep A Test - Twist	2	-	2
Other Moderately Complex Method	4	-	4
Other Waived Method	4	-	4
Polymedco Poly Stat Strep A - moderate	3	-	3
Polymedco Poly Stat Strep A - waived	1	-	1
PSS Select Diag. Strep A Cassette	6	-	6
PSS Select Diag. Strep A Dipstick - waived	6	-	6
Quidel QuickVue Dipstick Strep	14	-	14
Quidel QuickVue In-Line	26	-	26
Quidel QuickVue+	81	-	81
Stanbio QuStick Strep A	1	-	1
Wampole Clearview	1	-	1

STREP A ANTIGEN DETECTION

Specimen RS-9

<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	267	260	7	149	67	12
Abbott Signify Strep A-waived	9	9	-	3	4	1
BD Chek Strep A	1	1	-	1	-	-
BD Directigen	2	2	-	-	2	-
BD Directigen EZ	10	10	-	4	6	-
Beckman Coulter ICON DS	7	5	2	4	2	-
Beckman Coulter ICON SC	2	2	-	2	-	-
Binax NOW Strep A	2	2	-	-	2	-
BioStar Aceava Strep A Test	9	9	-	6	3	-
BioStar OIA	2	2	-	1	-	-
BioStar Strep A MAX OIA	18	18	-	10	3	-
Cardinal Health Strep A - moderate	3	3	-	2	-	-
Cardinal Health Strep A - waived	7	7	-	3	1	1
Fisher HealthCare Sure-Vue	1	1	-	-	-	1
Fisher HealthCare Sure-Vue - waived	1	1	-	-	1	-
Genzyme OSOM	16	16	-	9	4	-
Genzyme OSOM Ultra Strep A	33	33	-	20	9	1
Henry Schein One Step	3	3	-	1	2	-
Immunostics Detector Strep A Direct	1	1	-	1	-	-
Instant Technologies i Strep	2	2	-	1	1	-
Inverness Signify Strep A Dipstick	4	4	-	2	1	-
Mainline Confirms Strep A Dots	1	1	-	-	-	1
McKesson Strep A Cassette	3	3	-	1	2	-
McKesson Strep A Dipstick	7	7	-	1	2	2
McKesson Strep A Test - Twist	2	2	-	1	1	-
Other Moderately Complex Method	2	2	-	1	1	-
Other Waived Method	4	4	-	2	1	-
Polymedco Poly Stat Strep A - moderate	2	2	-	2	-	-
PSS Select Diag. Strep A Cassette	5	5	-	3	1	-
PSS Select Diag. Strep A Dipstick - waived	5	5	-	2	1	1
Quidel QuickVue Dipstick Strep	7	7	-	4	2	-
Quidel QuickVue In-Line	22	18	4	8	6	3
Quidel QuickVue+	64	64	-	48	6	1
Stanbio QuStick Strep A	1	1	-	1	-	-
Wampole Clearview	1	1	-	1	-	-

STREP A ANTIGEN DETECTION

Specimen RS-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	267	2	265
Abbott Signify Strep A-waived	9	-	9
BD Chek Strep A	1	-	1
BD Directigen	2	-	2
BD Directigen EZ	10	-	10
Beckman Coulter ICON DS	7	2	5
Beckman Coulter ICON SC	2	-	2
Binax NOW Strep A	2	-	2
BioStar Aceava Strep A Test	9	-	9
BioStar OIA	2	-	2
BioStar Strep A MAX OIA	18	-	18
Cardinal Health Strep A - moderate	3	-	3
Cardinal Health Strep A - waived	7	-	7
Fisher HealthCare Sure-Vue	1	-	1
Fisher HealthCare Sure-Vue - waived	1	-	1
Genzyme OSOM	16	-	16
Genzyme OSOM Ultra Strep A	33	-	33
Henry Schein One Step	3	-	3
Immunostics Detector Strep A Direct	1	-	1
Instant Technologies i Strep	2	-	2
Inverness Signify Strep A Dipstick	4	-	4
Mainline Confirms Strep A Dots	1	-	1
McKesson Strep A Cassette	3	-	3
McKesson Strep A Dipstick	7	-	7
McKesson Strep A Test - Twist	2	-	2
Other Moderately Complex Method	2	-	2
Other Waived Method	4	-	4
Polymedco Poly Stat Strep A - moderate	2	-	2
PSS Select Diag. Strep A Cassette	5	-	5
PSS Select Diag. Strep A Dipstick - waived	5	-	5
Quidel QuickVue Dipstick Strep	7	-	7
Quidel QuickVue In-Line	22	-	22
Quidel QuickVue+	64	-	64
Stanbio QuStick Strep A	1	-	1
Wampole Clearview	1	-	1

GENERAL BACTERIOLOGY

Specimen UC-6 – Urine Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Staphylococcus aureus	6	85.71%	Acceptable
Gram positive cocci	1	14.29%	Acceptable

Gram Stain

Gram positive	6	100%	Acceptable
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Gram Stain Morphology

Cocci	6	100%	
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Organism present in specimen UC-6: *Staphylococcus aureus*.

Specimen GC-6 – GC Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Staphylococcus aureus	5	71.43%	Acceptable
No growth (sterile)	1	14.29%	Acceptable
Staph – coagulase neg.	1	14.29%	Acceptable

Organisms present in specimen GC-6: *Staphylococcus aureus* and *Staphylococcus epidermidis*.

Specimen BA-4 – Respiratory Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Neisseria sp.	2	40%	Ungraded
Neisseria mucosa	1	20%	

Organism present in specimen BA-4: *Neisseria mucosa*. This is an ungraded challenge due to less than 80% participant consensus.

Specimen BA-5 – Wound Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Pseudomonas aeruginosa	5	83.33%	Acceptable

Organisms present in specimen BA-5: *Pseudomonas aeruginosa* and *Staphylococcus epidermidis*.

Specimen BA-6 – Spinal Fluid Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Listeria monocytogenes	4	66.67%	Ungraded

Organism present in specimen BA-6: *Listeria monocytogenes*. This is an ungraded challenge due to less than 80% participant consensus

URINE CULTURE

Specimen UC-6

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Staphylococcus aureus	42	40.38%	Acceptable
Growth, referred for identification	28	26.92%	Acceptable
Gram positive cocci	12	11.54%	Acceptable
Presump. Gram positive	6	5.77%	Acceptable
Presump. Staphylococcus sp.	6	5.77%	Acceptable
Staphylococcus sp.	6	5.77%	Acceptable

Gram Stain

Gram positive	47	100%	Acceptable
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Gram Stain Morphology

Cocci	39	95.12%
Cocci in pairs	2	4.88%

Organism present in specimen UC-6: *Staphylococcus aureus*.

Specimen UC-7

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Klebsiella pneumoniae	33	31.13%	Acceptable
Growth, referred for identification	23	21.70%	Acceptable
Gram negative bacilli	16	15.09%	Acceptable
Klebsiella sp.	14	13.21%	Acceptable
Presump. Gram negative	7	6.60%	Acceptable
Presump. Klebsiella sp.	6	5.66%	Acceptable
Corynebacterium sp.	2	1.89%	Acceptable
Presump. Gram positive	1	0.94%	Acceptable
Bacturcult Group II	1	0.94%	Acceptable

Organisms present in specimen UC-7: *Klebsiella pneumoniae* and *Corynebacterium sp.*

URINE CULTURE

Specimen UC-8

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Escherichia coli	27	40.30%	Acceptable
Growth, referred for identification	20	29.85%	Acceptable
Presump. Gram negative	7	10.45%	Acceptable
Gram negative bacilli	6	8.96%	Acceptable
Presump. Escherichia coli	5	7.46%	Acceptable
Bacturcult Group I	1	1.49%	Acceptable

Organisms present in specimen UC-8: *Escherichia coli* and *Staphylococcus epidermidis*.

Specimen UC-9

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Growth, referred for identification	12	40.00%	Acceptable
Staphylococcus saprobhyticus	6	20.00%	Acceptable
Presump. Gram positive	4	13.33%	Acceptable
Gram positive cocci	3	10.00%	Acceptable
Staph – coagulase negative	3	10.00%	Acceptable
Presump. Staphylococcus sp.	1	3.33%	Acceptable
Staphylococcus sp.	1	3.33%	Acceptable

Organisms present in specimen UC-9: *Staphylococcus saprophyticus* and *Staphylococcus epidermidis*.

Specimen UC-10

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Growth, referred for identification	12	40.00%	Acceptable
Enterococcus sp.	5	16.67%	Acceptable
Presump. Gram positive	4	13.33%	Acceptable
Enterococcus (Strep) faecalis	3	10.00%	Acceptable
Streptococcus Group D	1	3.33%	Acceptable
Presump. Enterococcus sp.	1	3.33%	Acceptable
Presumptive Streptococcus sp.	1	3.33%	Acceptable

Organism present in specimen UC-10: *Enterococcus faecalis*.

ANTIMICROBIAL SUSCEPTIBILITY TESTING

Specimen UC-6, CC-6 (SUS-6) The organism present in UC-6, CC-6 (SUS-6) is: *Staphylococcus aureus*.

<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%
Amoxicillin/Clavulanate	7	1	-	6	7	-	1	6	88.24%
Ampicillin	35	1	1	33	2	-	-	2	86.96%
Ampicillin/Sulbactam	1	-	-	1	4	-	-	4	100%
Carbenicillin	2	-	-	2	-	-	-	-	100%
Cefaclor	1	-	-	1	-	-	-	-	100%
Cefazolin	3	-	-	3	5	-	-	5	100%
Cefepime	-	-	-	-	3	-	-	3	100%
Cefotaxime	2	-	-	2	3	-	-	3	100%
Cefoxitin	3	-	-	3	-	-	-	-	100%
Ceftazidime	1	-	-	1	-	-	-	-	100%
Ceftriaxone	5	-	-	5	3	-	-	3	100%
Cefuroxime	3	-	-	3	-	-	-	-	100%
Cephalexin	1	1	-	-	-	-	-	-	Inappropriate drug ¹
Cephalothin	31	2	-	29	3	-	-	3	93.18%
Cinoxacin	2	-	-	2	-	-	-	-	Inappropriate drug ¹
Ciprofloxacin	41	-	-	41	10	-	-	10	100%
Clindamycin	3	-	-	3	2	-	-	2	Inappropriate drug ¹
Daptomycin	-	-	-	-	1	1	-	-	100%
Doxycycline	2	2	-	-	1	1	-	-	100%
Ertapenem	-	-	-	-	1	-	-	1	100%
Erythromycin	3	-	-	3	1	-	-	1	Inappropriate drug ¹
Gatifloxacin	-	-	-	-	2	-	-	2	100%
Gentamicin	18	16	1	1	6	6	-	-	93.10%
Imipenem	-	-	-	-	4	-	-	4	100%
Levofloxacin	13	-	-	13	9	-	-	9	100%
Linezolid	-	-	-	-	4	4	-	-	100%
Lomefloxacin	1	-	-	1	-	-	-	-	100%
Nitrofurantoin	49	49	-	-	11	11	-	-	100%
Norfloxacin	9	-	-	9	2	-	-	2	100%
Ofloxacin	5	-	-	5	3	-	-	3	100%
Oxacillin	27	-	-	27	10	-	-	10	100%
Penicillin	14	1	-	13	8	-	-	8	91.67%
Quinupristin/Dalfopristin	-	-	-	-	1	1	-	-	100%
Rifampin	-	-	-	-	7	-	-	7	100%
Sulfisoxazole	4	2	-	2	-	-	-	-	Not graded ²
Tetracycline	15	14	-	1	11	11	-	-	96.97%
Tobramycin	1	-	-	1	-	-	-	-	100%
Trimethoprim	5	5	-	-	1	1	-	-	100%
Trimethoprim/Sulfamethoxazole	54	52	1	1	12	12	-	-	97.40%
Vancomycin	18	18	-	-	9	9	-	-	100%

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

² This is an ungraded challenge due to less than 80% participant consensus.

GC CULTURE

Specimen GC-6

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for N. gonorrhoeae	32	78.05%	Acceptable
No growth (sterile)	4	9.76%	Acceptable
Presump. GC, referred for ID	1	2.44%	Acceptable
Growth select media, referred	1	2.44%	Acceptable
Staphylococcus sp.	1	2.44%	Acceptable
Staphylococcus aureus	1	2.44%	Acceptable
Gram positive cocci	1	2.44%	Acceptable

Gram Stain

Gram positive	21	80.77%	Acceptable
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Gram Stain Morphology

Cocci	19	67.86%
Cocci in pairs	2	7.14%

Organisms present in specimen GC-6: *Staphylococcus aureus* and *Staphylococcus epidermidis*.

Specimen GC-7

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. GC, referred for ID	18	78.26%	Acceptable
Neisseria gonorrhoeae	3	13.04%	Acceptable
Growth select media, referred	1	4.35%	Acceptable

Beta-lactamase Testing

Negative	1	100%
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Organisms present in specimen GC-7: *Neisseria gonorrhoeae* and *Gardnerella vaginalis*.

Specimen GC-8

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. GC, referred for ID	16	76.19%	Acceptable
Neisseria gonorrhoeae	3	14.29%	Acceptable
Growth, select media, referred	1	4.76%	Acceptable

Beta-lactamase Testing

Negative	1	100%
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Organism present in specimen GC-8: *Neisseria gonorrhoeae*.

GC CULTURE

Specimen GC-9

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for N. gonorrhoeae	11	52.38%	Acceptable
No growth (sterile)	10	47.62%	Acceptable

Organisms present in specimen GC-9: *Streptococcus group B* and *Lactobacillus casei*.

Specimen GC-10

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. GC, referred for ID	17	80.95%	Acceptable
Neisseria gonorrhoeae	2	9.52%	Acceptable
Growth select media, referred	1	4.76%	Acceptable

Beta-lactamase Testing

Negative	1	100%
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Organism present in specimen GC-10: *Neisseria gonorrhoeae*.

COLONY COUNT/PRESUMPTIVE IDENTIFICATION

Specimen CC-6

<u>Method</u>	<u>Labs</u>	<u>No growth</u>	<u><10,000 organisms/mL</u>	<u>10,000-100,000 organisms/mL</u>	<u>>100,000 organisms/mL</u>
ALL METHODS	96	1	-	21	74
Bulls Eye	5	-	-	1	4
Calibrated Loop	29	1	-	3	25
Troy Bacti-Urine, Plate	1	-	-	-	1
Uri-Check	14	-	-	4	10
Uricult	44	-	-	12	32
Uri-Three	1	-	-	1	-

Identification–Specimen CC-6

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram positive	11	36.67%	Acceptable
Growth, referred for identification	9	30.00%	Acceptable
Presump. Staphyococcus sp.	8	26.67%	Acceptable
Staphylococcus aureus	2	6.67%	Acceptable

Gram Stain

Gram positive	3	100%	Acceptable
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Gram Stain Morphology

Cocci in pairs	2	66.67%
Cocci	1	33.33%

Organism present in specimen CC-6: >100,000 CFU/mL of *Staphylococcus aureus*.

COLONY COUNT/PRESUMPTIVE IDENTIFICATION

Specimen CC-7

<u>Method</u>	<u>Labs</u>	<u>No growth</u>	<u><10,000 organisms/mL</u>	<u>10,000-100,000 organisms/mL</u>	<u>>100,000 organisms/mL</u>
ALL METHODS	96	-	1	9	86
Bulls Eye	5	-	-	-	5
Calibrated Loop	29	-	-	2	27
Troy Bacti-Urine, Plate	1	-	-	-	1
Uri-Check	14	-	-	1	13
Uricult	44	-	1	5	38
Uri-Three	1	-	-	1	-

Identification–Specimen CC-7

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram negative	13	43.33%	Acceptable
Presump. Klebsiella sp.	8	26.67%	Acceptable
Growth, referred for identification	8	26.67%	Acceptable
Klebsiella pneumoniae	1	3.33%	Acceptable

Organisms present in specimen CC-7: >100,000 CFU/mL *Klebsiella pneumoniae* and approximately 13,500 CFU/mL of *Corynebacterium species*.

Identification–Specimen CC-8

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Escherichia coli	11	44%	Acceptable
Presump. Gram negative	8	32%	Acceptable
Growth, referred for identification	3	12%	Acceptable
Escherichia coli	1	4%	Acceptable
Staphylococcus epidermidis	1	4%	Acceptable

Organisms present in specimen CC-8: Approximately 75,000 CFU/mL of *Escherichia coli* and approximately 7,500 CFU/mL of *Staphylococcus epidermidis*.

Identification–Specimen CC-9

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram positive	9	37.50%	Acceptable
Presump. Staphylococcus sp.	5	20.83%	Acceptable
Growth, referred for identification	5	20.83%	Acceptable
Bacturcult Group II	2	8.33%	Acceptable
Staph – coagulase negative	1	4.17%	Acceptable
Staphylococcus saprophyticus	1	4.17%	Acceptable

Organisms present in specimen CC-9: >100,000 CFU/mL of *Staphylococcus saprophyticus* and approximately 8,000 CFU/mL of *Staphylococcus epidermidis*.

COLONY COUNT/PRESUMPTIVE IDENTIFICATION

Identification–Specimen CC-10

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram positive	8	33.33%	Acceptable
Growth, referred for identification	4	16.67%	Acceptable
Presump. Enterococcus sp.	3	12.50%	Acceptable
Bacturcult Group I	2	8.33%	Acceptable
Enterococcus (Strep) faecalis	1	4.17%	Acceptable

Organism present in specimen CC-10: Approximately 26,500 CFU/mL of *Enterococcus faecalis*.

DERMATOPHYTE SCREEN

Specimen DM-6

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Dermatophyte absent	11	61.11%	Ungraded
Dermatophyte present	7	38.89%	

Organisms present in specimen DM-6: *Candida albicans* and *Lactobacillus casei*. This is an ungraded challenge due to less than 80% participant consensus.

Specimen DM-7

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Dermatophyte present	15	83.33%	Acceptable
Dermatophyte absent	3	16.67%	

Organism present in specimen DM-7: *Aspergillus nidulans*.

GRAM STAIN

Specimen GS-6

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram positive	47	92.16%	Acceptable
Gram negative	4	7.84%	

Gram Stain Morphology

Cocci	17	38.64%
Cocco-bacilli	11	25.00%
Cocci in pairs	7	15.91%
Cocci in chains	5	11.36%
Rods/bacilli	4	9.09%

Organism present in specimen GS-6: *Enterococcus faecalis*.

Specimen GS-7

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram negative	51	100%	Acceptable

Gram Stain Morphology

Rods/bacilli	39	88.64%
Cocco-bacilli	2	4.55%
Diplococci	2	4.55%
Cocci in chains	1	2.27%

Organism present in specimen GS-7: *Escherichia coli*.

Specimen GS-8

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram negative	44	89.80%	Acceptable
Gram positive	5	10.20%	

Gram Stain Morphology

Diplococci	29	69.05%
Cocci	5	11.90%
Cocci in pairs	4	9.52%
Cocco-bacilli	3	7.14%
Rods/bacilli	1	2.38%

Organism present in specimen GS-8: *Neisseria gonorrhoeae*.

GRAM STAIN

Specimen GS-9

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram positive	50	98.04%	Acceptable
Gram negative	1	1.96%	

Gram Stain Morphology

Cocci	22	50.00%
Cocci in pairs	16	36.36%
Diplococci	5	11.36%
Cocci in chains	1	2.27%

Organism present in specimen GS-9: *Staphylococcus aureus*.

Specimen GS-10

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram negative	51	100%	Acceptable

Gram Stain Morphology

Rods/bacilli	43	97.73%
Cocci in pairs	1	2.27%

Organism present in specimen GS-10: *Proteus vulgaris*.

AFFIRM VP III–Trichomonas vaginalis

Specimen VP-6

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	12	54.55%	Ungraded
Negative	10	45.45%	

Organism present in specimen VP-6: *Trichomonas vaginalis*. This is an ungraded challenge due to less than 80% participant consensus.

Specimen VP-7

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	11	50%	Ungraded
Positive	11	50%	

Organisms present in specimen VP-7: *Candida albicans* and *Trichomonas vaginalis*. This is an ungraded challenge due to less than 80% participant consensus.

AFFIRM VP III–Trichomonas vaginalis

Specimen VP-8

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	22	100%	Acceptable

Organism present in specimen VP-8: *Gardnerella vaginalis*.

Specimen VP-9

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	21	95.45%	Acceptable
Positive	1	4.55%	

Organism present in specimen VP-9: *Candida albicans*.

Specimen VP-10

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	22	100%	Acceptable

Organism present in specimen VP-10: *Gardnerella vaginalis*.

AFFIRM VP III–Gardnerella vaginalis

Specimen VP-6

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	22	100%	Acceptable

Specimen VP-7

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	22	100%	Acceptable

Specimen VP-8

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	18	81.82%	Acceptable
Negative	4	18.18%	

AFFIRM VP III–Gardnerella vaginalis**Specimen VP-9**

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	20	90.91%	Acceptable
Positive	2	9.09%	

Specimen VP-10

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	20	90.91%	Acceptable
Negative	2	9.09%	

AFFIRM VP III–Candida sp.**Specimen VP-6**

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	22	100%	Acceptable

Specimen VP-7

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	21	95.45%	Acceptable
Negative	1	4.55%	

Specimen VP-8

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	21	95.45%	Acceptable
Positive	1	4.55%	

Specimen VP-9

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	21	95.45%	Acceptable
Negative	1	4.55%	

Specimen VP-10

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	22	100%	Acceptable

CHLAMYDIA (ANTIGEN DETECTION)

Specimen CY-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	17	17	-
BD ProbeTec	5	5	-
bioMerieux Vitek, Mini Vidas	1	1	-
BioStar OIA	1	1	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	1	1	-
Quidel QuickVue	7	7	-

Organism present in specimen CY-6: *Chlamydia trachomatis*.

Specimen CY-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	17	1	16
BD ProbeTec	5	1	4
bioMerieux Vitek, Mini Vidas	1	-	1
BioStar OIA	1	-	1
Gen-Probe	2	-	2
Gen-Probe APTIMA	1	-	1
Quidel QuickVue	7	-	7

Organism present in specimen CY-7: *Neisseria gonorrhoeae*.

Specimen CY-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	13	13	-
BD ProbeTec	5	5	-
bioMerieux Vitek, Mini Vidas	1	1	-
BioStar OIA	1	1	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	1	1	-
Quidel QuickVue	3	3	-

Organisms present in specimen CY-8: *Chlamydia trachomatis* and *Neisseria gonorrhoeae*.

CHLAMYDIA (ANTIGEN DETECTION)

Specimen CY-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	13	12	1
BD ProbeTec	5	4	1
bioMerieux Vitek, Mini Vidas	1	1	-
BioStar OIA	1	1	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	1	1	-
Quidel QuickVue	3	3	-

Organism present in specimen CY-9: *Chlamydia trachomatis*.

Specimen CY-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	13	1	12
BD ProbeTec	5	1	4
bioMerieux Vitek, Mini Vidas	1	-	1
BioStar OIA	1	-	1
Gen-Probe	2	-	2
Gen-Probe APTIMA	1	-	1
Quidel QuickVue	3	-	3

Organism present in specimen CY-10: *Neisseria gonorrhoeae*.

GC (ANTIGEN DETECTION)

Specimen CY-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	9	-	9
BD ProbeTec	5	-	5
BioStar OIA	1	-	1
Gen-Probe	2	-	2
Gen-Probe APTIMA	1	-	1

Specimen CY-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	9	8	1
BD ProbeTec	5	4	1
BioStar OIA	1	1	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	1	1	-

GC (ANTIGEN DETECTION)

Specimen CY-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	9	8	1
BD ProbeTec	5	4	1
BioStar OIA	1	1	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	1	1	-

Specimen CY-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	9	1	8
BD ProbeTec	5	1	4
BioStar OIA	1	-	1
Gen-Probe	2	-	2
Gen-Probe APTIMA	1	-	1

Specimen CY-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	9	9	-
BD ProbeTec	5	5	-
BioStar OIA	1	1	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	1	1	-

CRYPTOSPORIDIUM ANTIGEN DETECTION

Specimen LC-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	5	-	5
Meridian ImmunoCard STAT	1	-	1
Remel Xpect	4	-	4

Antigen present in specimen LC-6: No antigens were present.

Specimen LC-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	5	4	1
Meridian ImmunoCard STAT	1	1	-
Remel Xpect	4	3	1

Antigens present in specimen LC-7: *Cryptosporidium* and *Giardia lamblia*.

CRYPTOSPORIDIUM ANTIGEN DETECTION

Specimen LC-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	5	5	-
Meridian ImmunoCard STAT	1	1	-
Remel Xpect	4	4	-

Antigen present in specimen LC-8: *Cryptosporidium*.

Specimen LC-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	5	-	5
Meridian ImmunoCard STAT	1	-	1
Remel Xpect	4	-	4

Antigen present in specimen LC-9: No antigens were present.

Specimen LC-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	5	-	5
Meridian ImmunoCard STAT	1	-	1
Remel Xpect	4	-	4

Antigen present in specimen LC-10: *Giardia lamblia*.

GIARDIA LAMBLIA ANTIGEN DETECTION

Specimen LC-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	7	-	7
Alexon (Hycor)	1	-	1
Meridian ImmunoCard STAT	1	-	1
Remel Xpect	4	-	4

Specimen LC-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	7	7	-
Alexon (Hycor)	1	1	-
Meridian ImmunoCard STAT	1	1	-
Remel Xpect	4	4	-

GIARDIA LAMBLIA ANTIGEN DETECTION

Specimen LC-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	7	-	7
Alexon (Hycor)	1	-	1
Meridian ImmunoCard STAT	1	-	1
Remel Xpect	4	-	4

Specimen LC-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	7	-	7
Alexon (Hycor)	1	-	1
Meridian ImmunoCard STAT	1	-	1
Remel Xpect	4	-	4

Specimen LC-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	7	7	-
Alexon (Hycor)	1	1	-
Meridian ImmunoCard STAT	1	1	-
Remel Xpect	4	4	-

RSV ANTIGEN DETECTION

Specimen V-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	35	-	35
BD Directigen	1	-	1
Binax NOW - waived	21	-	21
BioStar OIA	3	-	3
Fisher HealthCare Sure-Vue - waived	2	-	2
Quidel QuickVue RSV - waived	5	-	5
Remel Xpect - waived	1	-	1
Wampole Clearview RSV - waived	1	-	1

Antigen present in specimen V-6: Influenza A.

RSV ANTIGEN DETECTION

Specimen V-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	35	35	-
BD Directigen	1	1	-
Binax NOW - waived	21	21	-
BioStar OIA	3	3	-
Fisher HealthCare Sure-Vue - waived	2	2	-
Quidel QuickVue RSV - waived	5	5	-
Remel Xpect - waived	1	1	-
Wampole Clearview RSV - waived	1	1	-

Antigen present in specimen V-7: RSV.

Specimen V-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	18	-	18
BD Directigen	1	-	1
Binax NOW - waived	10	-	10
BioStar OIA	3	-	3
Fisher HealthCare Sure-Vue - waived	1	-	1
Quidel QuickVue RSV - waived	1	-	1
Remel Xpect - waived	1	-	1
Wampole Clearview RSV - waived	1	-	1

Antigen present in specimen V-8: Influenza A.

Specimen V-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	18	-	18
BD Directigen	1	-	1
Binax NOW - waived	10	-	10
BioStar OIA	3	-	3
Fisher HealthCare Sure-Vue - waived	1	-	1
Quidel QuickVue RSV - waived	1	-	1
Remel Xpect - waived	1	-	1
Wampole Clearview RSV - waived	1	-	1

Antigen present in specimen V-9: Influenza B.

RSV ANTIGEN DETECTION

Specimen V-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	18	17	1
BD Directigen	1	1	-
Binax NOW - waived	10	9	1
BioStar OIA	3	3	-
Fisher HealthCare Sure-Vue - waived	1	1	-
Quidel QuickVue RSV - waived	1	1	-
Remel Xpect - waived	1	1	-
Wampole Clearview RSV - waived	1	1	-

Antigen present in specimen V-10: RSV.

INFLUENZA A/B ANTIGEN DETECTION

Specimen V-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	85	84	1
BioStar OIA	3	2	1
Quidel QuickVue Influenza	77	77	-

Antigen present in specimen V-6: Influenza A.

Specimen V-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	85	1	84
BioStar OIA	3	1	2
Quidel QuickVue Influenza	77	-	77

Antigen present in specimen V-7: RSV.

Specimen V-8

<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-8: Influenza A.

INFLUENZA A/B ANTIGEN DETECTION

Specimen V-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	22	16	6
BioStar OIA	3	1	2
Quidel QuickVue Influenza	19	15	4

Antigen present in specimen V-9: Influenza B.

Specimen V-10

<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-10: RSV.

INFLUENZA A ANTIGEN DETECTION

Specimen V-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	126	124	2
Binax NOW - waived	48	47	1
BioStar Flu OIA A/B	4	4	-
Quidel QuickVue Influenza A+B	61	60	1
Remel Xpect	5	5	-

Antigen present in specimen V-6: Influenza A.

Specimen V-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	126	-	126
Binax NOW - waived	48	-	48
BioStar Flu OIA A/B	4	-	4
Quidel QuickVue Influenza A+B	61	-	61
Remel Xpect	5	-	5

Antigen present in specimen V-7: RSV.

INFLUENZA A ANTIGEN DETECTION

Specimen V-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	42	41	1
Binax NOW - waived	17	17	-
BioStar Flu OIA A/B	3	2	1
Quidel QuickVue Influenza A+B	15	15	-
Remel Xpect	5	5	-

Antigen present in specimen V-8: Influenza A.

Specimen V-9

<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
Quidel QuickVue Influenza A+B	15	-	15
Remel Xpect	5	-	5

Antigen present in specimen V-9: Influenza B.

Specimen V-10

<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	1	2
Quidel QuickVue Influenza A+B	15	-	15
Remel Xpect	5	-	5

Antigen present in specimen V-10: RSV.

INFLUENZA B ANTIGEN DETECTION

Specimen V-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	121	1	120
Binax NOW - waived	45	-	45
BioStar Flu OIA A/B	4	-	4
Quidel QuickVue Influenza A+B	58	1	57
Remel Xpect	5	-	5

Antigen present in specimen V-6: Influenza A.

Specimen V-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	122	-	122
Binax NOW - waived	46	-	46
BioStar Flu OIA A/B	4	-	4
Quidel QuickVue Influenza A+B	58	-	58
Remel Xpect	5	-	5

Antigen present in specimen V-7: RSV.

Specimen V-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	41	-	41
Binax NOW - waived	16	-	16
BioStar Flu OIA A/B	3	-	3
Quidel QuickVue Influenza A+B	15	-	15
Remel Xpect	5	-	5

Antigen present in specimen V-8: Influenza A.

INFLUENZA B ANTIGEN DETECTION

Specimen V-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	42	31	11
Binax NOW - waived	16	16	-
BioStar Flu OIA A/B	3	2	1
Quidel QuickVue Influenza A+B	15	10	5
Remel Xpect	5	3	2

Antigen present in specimen V-9: Influenza B.

Specimen V-10

<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	1	2
Quidel QuickVue Influenza A+B	15	-	15
Remel Xpect	5	-	5

Antigen present in specimen V-10: RSV.

LEGIONELLA ANTIGEN DETECTION

Specimen L-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	63	63	-

Specimen L-6: Positive for Legionella antigen.

Specimen L-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	63	-	63

Specimen L-7: Negative for Legionella antigen.

Specimen L-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	63	-	63

Specimen L-8: Negative for Legionella antigen.

LEGIONELLA ANTIGEN DETECTION

Specimen L-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	63	63	-

Specimen L-9: Positive for Legionella antigen.

Specimen L-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	63	63	-

Specimen L-10: Positive for Legionella antigen.

CLOSTRIDIUM DIFFICILE TOXIN ANTIGEN DETECTION

Specimen AG-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	13	-	13
bioMerieux Vitek, Mini Vidas	2	-	2
BioStar OIA	2	-	2
Meridian ImmunoCard	2	-	2
Meridian Premier	2	-	2
Remel Xpect	2	-	2

Antigen present in specimen AG-6: Rotavirus.

Specimen AG-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	13	13	-
bioMerieux Vitek, Mini Vidas	2	2	-
BioStar OIA	2	2	-
Meridian ImmunoCard	2	2	-
Meridian Premier	2	2	-
Remel Xpect	2	2	-

Antigen present in specimen AG-7: *Clostridium difficile*.

CLOSTRIDIUM DIFFICILE TOXIN ANTIGEN DETECTION

Specimen AG-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	13	-	13
bioMerieux Vitek, Mini Vidas	2	-	2
BioStar OIA	2	-	2
Meridian ImmunoCard	2	-	2
Meridian Premier	2	-	2
Remel Xpect	2	-	2

Antigen present in specimen AG-8: Rotavirus.

Specimen AG-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	13	12	1
bioMerieux Vitek, Mini Vidas	1	2	-
BioStar OIA	2	2	-
Meridian ImmunoCard	2	1	1
Meridian Premier	2	2	-
Remel Xpect	1	2	-

Antigens present in specimen AG-9: *Clostridium difficile* and Rotavirus.

Specimen AG-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	13	13	-
bioMerieux Vitek, Mini Vidas	2	2	-
BioStar OIA	2	2	-
Meridian ImmunoCard	2	2	-
Meridian Premier	2	2	-
Remel Xpect	2	2	-

Antigen present in specimen AG-10: *Clostridium difficile*.

ROTAVIRUS ANTIGEN DETECTION

Specimen AG-6

<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	4	4	-
Remel Xpect	1	1	-

Specimen AG-7

<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	4	-	4
Remel Xpect	1	-	1

Specimen AG-8

<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	4	4	-
Remel Xpect	1	1	-

Specimen AG-9

<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	4	4	-
Remel Xpect	1	1	-

Specimen AG-10

<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	4	-	4
Remel Xpect	1	-	1

STREPTOCOCCUS PNEUMONIAE ANTIGEN

Specimen SP-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
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Binax NOW	71	71	-
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Specimen SP-6: Positive for *Streptococcus pneumoniae* antigen.

Specimen SP-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
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Binax NOW	71	-	71
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Specimen SP-7: Negative for *Streptococcus pneumoniae* antigen.

Specimen SP-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
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Binax NOW	71	-	71
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Specimen SP-8: Negative for *Streptococcus pneumoniae* antigen.

Specimen SP-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
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Binax NOW	71	70	1
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Specimen SP-9: Positive for *Streptococcus pneumoniae* antigen.

Specimen SP-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
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Binax NOW	71	70	1
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Specimen SP-10: Positive for *Streptococcus pneumoniae* antigen.

PARASITOLOGY

Specimen PA-6

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

Parasite present in specimen PA-6: *Entamoeba histolytica*.

Specimen PA-7

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

Parasite present in specimen PA-7: *Giardia lamblia*.

Specimen PA-8

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Iodamoeba butschilii	1	20%	Ungraded
Protozoan seen but no ID	1	20%	

Parasite present in specimen PA-8: *Iodamoeba butschilii* and *Cryptosporidium sp.* This is an ungraded challenge due to less than 80% participant consensus.

Specimen PA-9

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
No parasite seen	4	80%	Acceptable
Other parasite seen but no ID	1	20%	

Parasites present in specimen PA-9: No parasites present.

Specimen PA-10

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Strongyloides stercoralis larvae	4	80%	Acceptable
Parasite larva seen but no ID	1	20%	Acceptable

Parasite present in specimen PA-10: *Strongyloides stercoralis*.

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