

MEDICAL LABORATORY EVALUATION

PARTICIPANT SUMMARY

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

Microbiology
MLE – M1

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2011 Evaluation Criteria 2

Microbiology

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2011 Evaluation Criteria

The evaluation criteria used in the 2011 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	80% Consensus
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-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive for Group A Strep	100	53.19%	Acceptable
Presump. Pos. Group A Strep	77	40.96%	Acceptable
Streptococcus pyogenes	9	4.79%	Acceptable

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

Specimen TC-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for Group A Strep	167	88.36%	Acceptable
Streptococcus pneumoniae	13	6.88%	Acceptable
Gram positive cocci	1	0.53%	Acceptable
Gram positive bacilli	1	0.53%	Acceptable
Streptococcus alpha-hemolytic	1	0.53%	Acceptable

Organisms present in specimen TC-2: *Streptococcus pneumoniae* and *Corynebacterium* species.

Specimen TC-3

<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

Organisms present in specimen TC-3: *Streptococcus pyogenes* and *Neisseria sicca*.

Specimen TC-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for Group A Strep	81	95.29%	Acceptable

Organism present in specimen TC-4: *Staphylococcus aureus*.

Specimen TC-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive for Group A Strep	48	56.47%	Acceptable
Presump. Pos. Group A Strep	34	40.00%	Acceptable

Organism present in specimen TC-5: *Streptococcus pyogenes*.

STREP A ANTIGEN DETECTION

Specimen RS-1

<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	624	617	7	286	184	66
Abbott Signify Strep A-waived	3	3	-	1	1	-
BD Chek Strep A	3	3	-	-	1	2
BD Directigen EZ	11	11	-	6	4	1
Beckman Coulter ICON DS	6	6	-	1	4	1
Beckman Coulter ICON SC	4	4	-	1	2	1
Binax NOW Strep A	2	2	-	2	-	-
Cardinal Health Strep A - moderate	8	8	-	4	1	-
Cardinal Health Strep A - waived	15	15	-	-	8	5
Consult Diagnostic Strep A - Moderate	5	5	-	1	4	-
Consult Diagnostic Strep A Dipstick - Waived	53	52	1	11	26	9
Fisher HealthCare Sure-Vue	2	2	-	-	1	-
Fisher HealthCare Sure-Vue - waived	2	2	-	1	1	-
Genzyme OSOM	37	37	-	21	3	4
Genzyme OSOM Ultra Strep A	75	75	-	48	14	1
Henry Schein One Step+ - waived	29	29	-	4	12	6
Immunostics Detector Strep A Direct	11	10	1	2	4	4
Inverness Acceava Strep A Test	18	18	-	4	9	3
Inverness Signify Strep A Dipstick	4	4	-	1	1	1
LifeSign Status Strep A	1	1	-	-	1	-
McKesson Strep A Cassette	5	5	-	2	2	-
McKesson Strep A Dipstick	27	26	1	4	11	7
Meridian ImmunoCard STAT - waived	1	1	-	1	-	-
Other Moderately Complex Method	2	2	-	1	1	-
Other Waived Method	17	17	-	4	4	3
Polymedco Poly Stat Strep A - moderate	1	1	-	1	-	-
Polymedco Poly Stat Strep A - waived	8	8	-	1	7	-
PSS Select Diag. Strep A Dipstick - waived	12	12	-	5	3	4
Quidel QuickVue Dipstick Strep	110	109	1	69	32	3
Quidel QuickVue In-Line	58	55	3	29	14	9
Quidel QuickVue+	72	72	-	53	4	1
Stanbio QuStick Strep A	4	4	-	-	3	-
Wampole Clearview	4	4	-	1	2	-

STREP A ANTIGEN DETECTION

Specimen RS-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	611	8	603
Abbott Signify Strep A-waived	3	-	3
BD Chek Strep A	3	-	3
BD Directigen EZ	11	-	11
Beckman Coulter ICON DS	6	-	6
Beckman Coulter ICON SC	4	-	4
Binax NOW Strep A	2	-	2
Cardinal Health Strep A - moderate	8	-	8
Cardinal Health Strep A - waived	14	-	14
Consult Diagnostic Strep A - Moderate	5	1	4
Consult Diagnostic Strep A Dipstick - Waived	53	1	52
Fisher HealthCare Sure-Vue	1	-	1
Fisher HealthCare Sure-Vue - waived	2	-	2
Genzyme OSOM	37	-	37
Genzyme OSOM Ultra Strep A	74	1	73
Henry Schein One Step+ - waived	29	-	29
Immunostics Detector Strep A Direct	11	-	11
Inverness Acceava Strep A Test	17	-	17
Inverness Signify Strep A Dipstick	4	-	4
LifeSign Status Strep A	1	-	1
McKesson Strep A Cassette	4	-	4
McKesson Strep A Dipstick	26	2	24
Meridian ImmunoCard STAT - waived	1	-	1
Other Moderately Complex Method	2	-	2
Other Waived Method	17	-	17
Polymedco Poly Stat Strep A - moderate	1	-	1
Polymedco Poly Stat Strep A - waived	8	-	8
PSS Select Diag. Strep A Dipstick - waived	11	-	11
Quidel QuickVue Dipstick Strep	110	-	110
Quidel QuickVue In-Line	57	1	56
Quidel QuickVue+	67	2	65
Stanbio QuStick Strep A	4	-	4
Wampole Clearview	4	-	4

STREP A ANTIGEN DETECTION

Specimen RS-3

<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	200	198	2	96	57	17
BD Chek Strep A	1	1	-	-	-	1
BD Directigen EZ	10	10	-	6	4	-
Beckman Coulter ICON DS	1	1	-	1	-	-
Beckman Coulter ICON SC	2	2	-	1	1	-
Binax NOW Strep A	2	2	-	1	-	-
Cardinal Health Strep A - moderate	6	6	-	3	1	-
Cardinal Health Strep A - waived	2	2	-	-	2	-
Consult Diagnostic Strep A - Moderate	4	3	1	1	1	1
Consult Diagnostic Strep A Dipstick - Waived	9	9	-	3	4	1
Genzyme OSOM	15	15	-	5	3	2
Genzyme OSOM Ultra Strep A	12	12	-	7	5	-
Henry Schein One Step+ - waived	6	6	-	1	3	1
Immunostics Detector Strep A Direct	1	1	-	-	1	-
Inverness Acceava Strep A Test	5	5	-	1	3	1
Inverness Signify Strep A Dipstick	1	1	-	-	-	-
McKesson Strep A Cassette	3	3	-	2	1	-
McKesson Strep A Dipstick	5	5	-	-	3	2
Other Moderately Complex Method	2	2	-	1	1	-
Other Waived Method	6	5	1	-	3	1
Polymedco Poly Stat Strep A - moderate	1	1	-	1	-	-
PSS Select Diag. Strep A Dipstick - waived	3	3	-	1	1	1
Quidel QuickVue Dipstick Strep	16	16	-	9	5	2
Quidel QuickVue In-Line	20	20	-	11	5	3
Quidel QuickVue+	59	59	-	39	6	1
Stanbio QuStick Strep A	2	2	-	-	2	-

STREP A ANTIGEN DETECTION

Specimen RS-4

<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	167	166	1	83	47	12
BD Directigen EZ	10	10	-	7	3	-
Beckman Coulter ICON DS	1	1	-	1	-	-
Beckman Coulter ICON SC	2	2	-	1	1	-
Binax NOW Strep A	2	2	-	1	-	-
Cardinal Health Strep A - moderate	6	6	-	3	1	-
Cardinal Health Strep A - waived	2	2	-	-	2	-
Consult Diagnostic Strep A - Moderate	4	4	-	1	1	2
Consult Diagnostic Strep A Dipstick - Waived	7	7	-	3	3	-
Genzyme OSOM	12	12	-	4	2	2
Genzyme OSOM Ultra Strep A	7	7	-	5	2	-
Henry Schein One Step+ - waived	3	3	-	-	2	1
Immunostics Detector Strep A Direct	1	1	-	1	-	-
Inverness Acceava Strep A Test	5	5	-	1	4	-
Inverness Signify Strep A Dipstick	1	1	-	-	-	-
McKesson Strep A Cassette	2	2	-	-	2	-
McKesson Strep A Dipstick	4	4	-	-	3	1
Other Moderately Complex Method	1	1	-	1	-	-
Other Waived Method	6	6	-	1	2	2
PSS Select Diag. Strep A Dipstick - waived	3	3	-	1	1	1
Quidel QuickVue Dipstick Strep	13	13	-	8	4	1
Quidel QuickVue In-Line	20	19	1	12	4	2
Quidel QuickVue+	49	49	-	31	7	-
Stanbio QuStick Strep A	2	2	-	-	2	-

STREP A ANTIGEN DETECTION

Specimen RS-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	167	1	166
BD Directigen EZ	10	-	10
Beckman Coulter ICON DS	1	-	1
Beckman Coulter ICON SC	2	-	2
Binax NOW Strep A	2	-	2
Cardinal Health Strep A - moderate	6	-	6
Cardinal Health Strep A - waived	2	-	2
Consult Diagnostic Strep A - Moderate	4	-	4
Consult Diagnostic Strep A Dipstick - Waived	7	-	7
Genzyme OSOM	12	-	12
Genzyme OSOM Ultra Strep A	7	-	7
Henry Schein One Step+ - waived	3	-	3
Immunostics Detector Strep A Direct	1	-	1
Inverness Acceava Strep A Test	5	-	5
Inverness Signify Strep A Dipstick	1	-	1
McKesson Strep A Cassette	2	-	2
McKesson Strep A Dipstick	4	-	4
Other Moderately Complex Method	1	-	1
Other Waived Method	6	-	6
PSS Select Diag. Strep A Dipstick - waived	3	-	3
Quidel QuickVue Dipstick Strep	13	-	13
Quidel QuickVue In-Line	20	1	19
Quidel QuickVue+	49	-	49
Stanbio QuStick Strep A	2	-	2

GENERAL BACTERIOLOGY

Specimen BA-1 – Spinal Fluid Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Haemophilus influenza	5	71.43%	Acceptable
Gram negative coccobacilli	1	14.29%	Acceptable
Gram negative bacilli	1	14.29%	Acceptable

Organism present in specimen BA-1: *Haemophilus influenzae*.

Specimen BA-2 – Blood Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Klebsiella pneumoniae	7	100%	Acceptable

Organisms present in specimen BA-2: *Klebsiella pneumoniae* and *Staphylococcus epidermidis*.

Specimen BA-3 – Wound Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Staphylococcus aureus	8	100%	Acceptable

Organisms present in specimen BA-3: *Staphylococcus aureus* and *Corynebacterium* species.

METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS SCREEN

Specimen MSA-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	6	100%	Acceptable

Organism present in specimen MSA-1: *Staphylococcus aureus* – Methicillin resistant.

Specimen MSA-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	6	100%	Acceptable

Organism present in specimen MSA-2: *Staphylococcus aureus* – Methicillin resistant.

Specimen MSA-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	6	100%	Acceptable

Organism present in specimen MSA-3: *Klebsiella pneumoniae*.

METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS

Specimen MSA-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	6	100%	Acceptable

Organism present in specimen MSA-4: *Staphylococcus aureus*.

Specimen MSA-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	6	100%	Acceptable

Organism present in specimen MSA-5: *Staphylococcus aureus* – Methicillin resistant.

URINE CULTURE

Specimen UC-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Escherichia coli	50	51.55%	Acceptable
Growth, referred for identification	28	28.87%	Acceptable
Gram negative bacilli	8	8.25%	Acceptable
Presump. Gram negative	5	5.15%	Acceptable
Presump. Escherichia coli	5	5.15%	Acceptable

Gram Stain

Gram negative	42	100%	Acceptable
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Gram Stain Morphology

Rods/bacilli	39	100%	Acceptable
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Organism present in specimen UC-1: *Escherichia coli*.

Specimen UC-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Growth, referred for identification	31	34.44%	Acceptable
Staphylococcus saprophyticus	27	30.00%	Acceptable
Gram positive cocci	10	11.11%	Acceptable
Staph – coagulase negative	8	8.89%	Acceptable
Presump. Staphylococcus sp.	5	5.56%	Acceptable
Presump. Gram positive	3	3.33%	Acceptable
Staphylococcus sp.	2	2.22%	Acceptable

Organisms present in specimen UC-2: *Staphylococcus saprophyticus* and *Corynebacterium* species.

URINE CULTURE

Specimen UC-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Growth, referred for identification	30	46.88%	Acceptable
Staphylococcus aureus	21	32.81%	Acceptable
Gram positive cocci	5	7.81%	Acceptable
Presump. Gram positive	3	4.69%	Acceptable
Presump. Staphylococcus sp.	3	4.69%	Acceptable
Staphylococcus sp.	1	1.56%	Acceptable

Organism present in specimen UC-3: *Staphylococcus aureus*.

Specimen UC-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Growth, referred for identification	10	38.46%	Acceptable
Enterobacter cloacae	5	19.23%	Acceptable
Presump. Gram negative	5	19.23%	Acceptable
Enterobacter sp.	3	11.54%	Acceptable
Gram negative bacilli	1	3.85%	Acceptable

Organisms present in specimen UC-4: *Enterobacter cloacae* and *Lactobacillus* species.

Specimen UC-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Growth, referred for identification	10	38.46%	Acceptable
Enterococcus sp.	8	30.72%	Acceptable
Presump. Gram positive	4	15.38%	Acceptable
Gram positive cocci	1	3.85%	Acceptable
Enterococcus (Strep) faecalis	1	3.85%	Acceptable

Organism present in specimen UC-5: *Enterococcus (Strep) faecalis*.

ANTIMICROBIAL SUSCEPTIBILITY TESTING

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

<u>Antimicrobial</u>	-----Disk Diffusion-----				-----MIC-----				<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	-	-	5	5	-	-	100%
Amoxicillin/Clavulanate	17	15	1	1	6	5	-	1	88.89%
Ampicillin	47	-	-	47	16	-	-	16	100%
Ampicillin/Sulbactam	-	-	-	-	6	-	3	3	Ungraded ¹
Aztreonam	-	-	-	-	3	2	-	1	Ungraded ¹
Carbenicillin	15	-	-	15	-	-	-	-	100%
Cefaclor	1	1	-	-	-	-	-	-	100%
Cefamandole	1	1	-	-	-	-	-	-	100%
Cefazolin	6	6	-	-	9	9	-	-	100%
Cefepime	-	-	-	-	4	4	-	-	100%
Cefixime	4	4	-	-	-	-	-	-	80%
Cefotaxime	1	1	-	-	5	5	-	-	100%
Cefotetan	-	-	-	-	1	1	-	-	100%
Cefoxitin	1	1	-	-	5	5	-	-	100%
Cefpodoxime	1	1	-	-	-	-	-	-	100%
Ceftazidime	3	3	-	-	6	6	-	-	100%
Ceftrizone	7	7	-	-	7	7	-	-	100%
Cefuroxime	5	4	1	-	5	5	-	-	Ungraded ¹
Cephalexin	1	1	-	-	-	-	-	-	100%
Cephalothin	39	25	12	2	5	4	-	1	Ungraded ¹
Ciprofloxacin	47	47	-	-	15	15	-	-	98.55%
Doxycycline	3	3	-	-	1	1	-	-	100%
Ertapenem	-	-	-	-	2	2	-	-	100%
Fosfomycin	2	2	-	-	-	-	-	-	100%
Gatifloxacin	-	-	-	-	2	2	-	-	100%
Gentamicin	31	30	-	1	9	9	-	-	97.83%
Imipenem	2	2	-	-	4	4	-	-	100%
Levofloxacin	19	19	-	-	8	7	1	-	96.97%
Lomefloxacin	1	1	-	-	-	-	-	-	100%
Meropenem	-	-	-	-	1	1	-	-	100%
Nalidixic Acid	3	3	-	-	1	1	-	-	100%
Nitrofurantoin	49	49	-	-	17	17	-	-	100%
Norfloxacin	11	11	-	-	3	3	-	-	100%
Ofloxacin	1	1	-	-	1	1	-	-	100%
Piperacillin	-	-	-	-	2	-	-	2	100%
Piperacillin/Tazobactam	1	1	-	-	4	4	-	-	100%
Sulfisoxazole	6	6	-	-	1	-	1	-	87.50%
Tetracycline	18	18	-	-	8	8	-	-	100%
Ticarcillin/Clavulanate	1	1	-	-	2	2	-	-	100%
Tigecycline	-	-	-	-	1	1	-	-	Inappropriate Drug ²
Tobramycin	4	4	-	-	7	7	-	-	100%
Trimethoprim	9	8	-	1	2	2	-	-	90.91%
Trimethoprim/Sulfamethoxazole	48	48	-	-	16	15	-	1	98.65%

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.

¹ This is an ungraded challenge due to less than 80% participant consensus.

² This is an inappropriate drug for this organism and/or source.

GENITAL CULTURE

Specimen GC-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for N. gonorrhoeae	26	63.41%	Acceptable
Streptococcus agalactiae	9	21.95%	Acceptable
No growth (sterile)	6	14.63%	Acceptable

Gram Stain

Gram positive	22	100%	Acceptable
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Gram Stain Morphology

Cocci	22	100%	Acceptable
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Organisms present in specimen GC-1: *Streptococcus* Group B and *Streptococcus oralis*.

Specimen GC-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presumptive for N. gonorrhoea	13	76.47%	Acceptable
Neisseria gonorrhoeae	3	17.65%	Acceptable
Growth, referred for identification	1	5.88%	Acceptable

Beta-lactamase Testing

Negative	1	100%	
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Organisms present in specimen GC-2: *Neisseria gonorrhoeae* and *Corynebacterium* species.

Specimen GC-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for N. gonorrhoeae	10	62.50%	Acceptable
No growth (sterile)	6	37.50%	Acceptable

Organisms present in specimen GC-3: *Escherichia coli* and *Staphylococcus epidermidis*.

GENITAL CULTURE

Specimen GC-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presumptive for N. gonorrhoeae	14	87.50%	Acceptable
Neisseria gonorrhoeae	2	12.50%	Acceptable

Beta-lactamase Testing

Negative	1	100%
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Organisms present in specimen GC-4: *Neisseria gonorrhoeae* and *Lactobacillus casei*.

Specimen GC-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for N. gonorrhoeae	15	93.75%	Acceptable
No growth (sterile)	1	6.25%	Acceptable

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

COLONY COUNT/PRESUMPTIVE IDENTIFICATION

Specimen CC-1

<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	85	-	25	49	11
Bacturcult	3	-	-	3	-
Bulls Eye	5	-	-	2	3
Calibrated Loop	25	-	6	17	2
HealthLink	1	-	1	-	-
Uri-Check	8	-	1	5	2
Uri-Three	1	-	-	1	-
Uricult	38	-	16	18	4

Identification–Specimen CC-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Escherichia coli	9	37.50%	Acceptable
Presump. Gram negative	8	33.33%	Acceptable
Growth, referred for identification	4	16.67%	Acceptable
Escherichia coli	3	12.50%	Acceptable

Gram Stain

Gram negative	5	100%	Acceptable
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Gram Stain Morphology

Rods/bacilli	4	80%	Acceptable
Cocci	1	20%	

Organism present in specimen CC-1: 50,000 CFU/mL of *Escherichia coli*.

COLONY COUNT/PRESUMPTIVE IDENTIFICATION

Specimen CC-2

<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	86	2	-	10	74
Bacturcult	3	-	-	-	3
Bulls Eye	5	-	-	1	4
Calibrated Loop	26	-	-	2	24
HealthLink	1	-	-	-	1
Uri-Check	8	-	-	-	8
Uri-Three	1	-	-	1	-
Uricult	38	2	-	6	30

Identification–Specimen CC-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram positive	9	36%	Acceptable
Growth, referred for identification	6	24%	Acceptable
Presump. Staphylococcus sp.	5	20%	Acceptable
Staphylococcus saprophyticus	3	12%	Acceptable
Staph – coagulase negative	1	4%	Acceptable

Organisms present in specimen CC-2: >100,000 CFU/mL of *Staphylococcus saprophyticus* and 1,000 CFU/mL of *Corynebacterium* species.

COLONY COUNT/PRESUMPTIVE IDENTIFICATION

Identification—Specimen CC-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Staphylococcus aureus	4	16%	Not graded
Presump. Gram positive	4	16%	
Presump. Staphylococcus sp.	2	8%	
Growth, referred for identification	2	8%	
No growth (sterile)	12	48%	

Organism present in specimen CC-3: 50,000 CFU/mL of *Staphylococcus aureus*. This is an ungraded challenge due to less than 80% referee consensus.

Identification—Specimen CC-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram negative	12	48%	Acceptable
Growth, referred for identification	4	16%	Acceptable
Presump. Enterobacter sp.	4	16%	Acceptable
Enterobacter cloacae	2	8%	Acceptable
Gram negative bacilli	1	4%	Acceptable

Organisms present in specimen CC-4: >100,000 CFU/mL of *Enterobacter cloacae* and 11,000 CFU/mL *Lactobacillus* species.

Identification—Specimen CC-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram positive	10	40%	Acceptable
Growth, referred for identification	6	24%	Acceptable
Presump. Enterococcus sp.	5	20%	Acceptable
Enterococcus (Strep) faecalis	2	8%	Acceptable
Enterococcus sp.	1	4%	Acceptable
Presumptive Streptococcus sp.	1	4%	Acceptable

Organism present in specimen CC-5: >100,000 CFU/mL of *Enterococcus (Strep) faecalis*.

DERMATOPHYTE SCREEN

Specimen DM-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Dermatophyte absent	23	100%	Acceptable

Organism present in specimen DM-1: *Staphylococcus epidermidis*.

Specimen DM-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Dermatophyte present	23	100%	Acceptable

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

GRAM STAIN

Specimen GS-1

<u>Reaction</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram positive	30	90.91%	Acceptable
Gram negative	3	9.09%	

Gram Stain Morphology

Cocci	27	87.10%	Acceptable
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Organism present in specimen GS-1: *Stapylococcus aureus*.

Specimen GS-2

<u>Reaction</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram negative	31	93.94%	Acceptable
Gram positive	2	6.06%	

Gram Stain Morphology

Rods/bacilli	14	45.16%	Not graded
Cocco-bacilli	10	32.26%	

The Gram Stain Morphology was an ungraded challenge due to less than 80% participant consensus.

Organism present in specimen GS-2: *Haemophilus influenzae*.

Specimen GS-3

<u>Reaction</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram negative	31	93.94%	Acceptable
Gram positive	2	6.06%	

Gram Stain Morphology

Rods/bacilli	23	74.19%	Not graded
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The Gram Stain Morphology was an ungraded challenge due to less than 80% participant consensus.

Organism present in specimen GS-3: *Escherichia coli*.

GRAM STAIN

Specimen GS-4

<u>Reaction</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram negative	29	87.88%	Acceptable
Gram positive	4	12.12%	

Gram Stain Morphology

Rods/bacilli	30	96.77%	Acceptable
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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	33	100%	Acceptable

Gram Stain Morphology

Cocci	27	87.10%	Acceptable
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Organism present in specimen GS-5: *Streptococcus pneumoniae*.

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: *Gardnerella vaginalis*.

Specimen VP-2

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

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

Specimen VP-3

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

Organism present in specimen VP-3: *Gardnerella vaginalis*.

Specimen VP-4

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

Organisms 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: *Candida albicans*.

AFFIRM VP III—Gardnerella vaginalis

Specimen VP-1

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

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

AFFIRM VP III—Candida sp.

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>
Positive	31	100%	Acceptable

AFFIRM VP III–Candida sp.

Specimen VP-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	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

CHLAMYDIA (ANTIGEN DETECTION)

Specimen CY-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	16	16	-
BD ProbeTec	7	7	-
Gen-Probe	3	3	-
Gen-Probe APTIMA	1	1	-
Quidel QuickVue	5	5	-

Organism present in specimen CY-1: *Chlamydia trachomatis*.

Specimen CY-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	16	-	16
BD ProbeTec	7	-	7
Gen-Probe	3	-	3
Gen-Probe APTIMA	1	-	1
Quidel QuickVue	5	-	5

Organism present in specimen CY-2: *Neisseria gonorrhoeae*.

CHLAMYDIA (ANTIGEN DETECTION)

Specimen CY-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	15	15	-
BD ProbeTec	7	7	-
Gen-Probe	3	3	-
Gen-Probe APTIMA	1	1	-
Quidel QuickVue	4	4	-

Organism present in specimen CY-3: *Chlamydia trachomatis*.

Specimen CY-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	15	-	15
BD ProbeTec	7	-	7
Gen-Probe	3	-	3
Gen-Probe APTIMA	1	-	1
Quidel QuickVue	4	-	4

Organism present in specimen CY-4: *Neisseria gonorrhoeae*.

Specimen CY-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	15	15	-
BD ProbeTec	7	7	-
Gen-Probe	3	3	-
Gen-Probe APTIMA	1	1	-
Quidel QuickVue	4	4	-

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

GC (ANTIGEN DETECTION)

Specimen CY-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	11	-	11
BD ProbeTec	7	-	7
Gen-Probe	3	-	3
Gen-Probe APTIMA	1	-	1

Specimen CY-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	11	11	-
BD ProbeTec	7	7	-
Gen-Probe	3	3	-
Gen-Probe APTIMA	1	1	-

Specimen CY-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	11	-	11
BD ProbeTec	7	-	7
Gen-Probe	3	-	3
Gen-Probe APTIMA	1	-	1

Specimen CY-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	11	11	-
BD ProbeTec	7	7	-
Gen-Probe	3	3	-
Gen-Probe APTIMA	1	1	-

Specimen CY-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	11	11	-
BD ProbeTec	7	7	-
Gen-Probe	3	3	-
Gen-Probe APTIMA	1	1	-

CRYPTOSPORIDIUM ANTIGEN DETECTION

Specimen LC-1

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

Antigen present in specimen LC-1: *Giardia lamblia*.

Specimen LC-2

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

Antigen present in specimen LC-2: No antigens present.

Specimen LC-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	4	3	1
Meridian ImmunoCard STAT	1	1	-
Remel Xpect	3	2	1

Antigen present in specimen LC-3: *Cryptosporidium*. This is an ungraded challenge due to less than 80% participant consensus.

Specimen LC-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	4	3	1
Meridian ImmunoCard STAT	1	1	-
Remel Xpect	3	2	1

Antigens present in specimen LC-4: *Giardia lamblia* and *Cryptosporidium*. This is an ungraded challenge due to less than 80% participant consensus.

Specimen LC-5

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

Antigens 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	7	7	-
Alexon (Hycor)	1	1	-
Meridian ImmunoCard STAT	1	1	-
Remel Xpect	5	5	-

Specimen LC-2

<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	5	-	5

Specimen LC-3

<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	5	-	5

Specimen LC-4

<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	5	5	-

Specimen LC-5

<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	5	-	5

RSV ANTIGEN DETECTION

Specimen V-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	46	2	44
Binax NOW - waived	31	1	30
Fisher HealthCare Sure-Vue - waived	1	-	1
Quidel QuickVue RSV - waived	7	-	7
Remel Xpect - waived	2	-	2
Wampole Clearview RSV - waived	1	-	1

Antigen present in specimen V-1: Influenza A.

Specimen V-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	47	45	2
Binax NOW - waived	32	31	1
Fisher HealthCare Sure-Vue - waived	1	1	-
Quidel QuickVue RSV - waived	7	7	-
Remel Xpect - waived	2	2	-
Wampole Clearview RSV - waived	1	1	-

Antigen present in specimen V-2: RSV.

Specimen V-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	16	-	16
Binax NOW - waived	9	-	9
Fisher HealthCare Sure-Vue - waived	1	-	1
Quidel QuickVue RSV - waived	3	-	3
Remel Xpect - waived	2	-	2

Antigen present in specimen V-3: Influenza A.

RSV ANTIGEN DETECTION

Specimen V-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	16	-	16
Binax NOW - waived	9	-	9
Fisher HealthCare Sure-Vue - waived	1	-	1
Quidel QuickVue RSV - waived	3	-	3
Remel Xpect - waived	2	-	2

Antigen present in specimen V-4: Influenza B.

Specimen V-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	16	16	-
Binax NOW - waived	9	9	-
Fisher HealthCare Sure-Vue - waived	1	1	-
Quidel QuickVue RSV - waived	3	3	-
Remel Xpect - waived	2	2	-

Antigen present in specimen V-5: RSV.

INFLUENZA A/B ANTIGEN DETECTION

Specimen V-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	53	47	6
Quidel QuickVue Influenza	47	44	3

Antigen present in specimen V-1: Influenza A.

Specimen V-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	55	3	52
Quidel QuickVue Influenza	47	1	46

Antigen present in specimen V-2: RSV.

Specimen V-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	19	18	1
Quidel QuickVue Influenza	19	18	1

Antigen present in specimen V-3: Influenza A.

INFLUENZA A/B ANTIGEN DETECTION

Specimen V-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	19	19	-
Quidel QuickVue Influenza	19	19	-

Antigen present in specimen V-4: Influenza B.

Specimen V-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	20	-	20
Quidel QuickVue Influenza	19	-	19

Antigen present in specimen V-5: RSV.

INFLUENZA A ANTIGEN DETECTION

Specimen V-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	199	188	11
BD Directigen	1	1	-
Binax NOW - waived	92	86	6
Genzyme OSOM Influenza A&B	34	34	-
Quidel QuickVue Influenza A+B	56	51	5
Remel Xpect	4	4	-

Antigen present in specimen V-1: Influenza A.

Specimen V-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	197	2	195
BD Directigen	1	-	1
Binax NOW - waived	91	1	90
Genzyme OSOM Influenza A&B	34	-	34
Quidel QuickVue Influenza A+B	55	1	54
Remel Xpect	4	-	4

Antigen present in specimen V-2: RSV.

INFLUENZA A ANTIGEN DETECTION

Specimen V-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	68	68	-
BD Directigen	1	1	-
Binax NOW - waived	22	22	-
Genzyme OSOM Influenza A&B	32	32	-
Quidel QuickVue Influenza A+B	7	7	-
Remel Xpect	4	4	-

Antigen present in specimen V-3: Influenza A.

Specimen V-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	67	-	67
BD Directigen	1	-	1
Binax NOW - waived	21	-	21
Genzyme OSOM Influenza A&B	32	-	32
Quidel QuickVue Influenza A+B	7	-	7
Remel Xpect	4	-	4

Antigen present in specimen V-4: Influenza B.

Specimen V-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	67	-	67
BD Directigen	1	-	1
Binax NOW - waived	21	-	21
Genzyme OSOM Influenza A&B	32	-	32
Quidel QuickVue Influenza A+B	7	-	7
Remel Xpect	4	-	4

Antigen present in specimen V-5: RSV.

INFLUENZA B ANTIGEN DETECTION

Specimen V-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	195	-	195
BD Directigen	1	-	1
Binax NOW - waived	86	-	86
Genzyme OSOM Influenza A&B	34	-	34
Quidel QuickVue Influenza A+B	53	-	53
Remel Xpect	4	-	4

Antigen present in specimen V-1: Influenza A.

Specimen V-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	195	-	195
BD Directigen	1	-	1
Binax NOW - waived	86	-	86
Genzyme OSOM Influenza A&B	34	-	34
Quidel QuickVue Influenza A+B	53	-	53
Remel Xpect	4	-	4

Antigen present in specimen V-2: RSV.

Specimen V-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	67	-	67
BD Directigen	1	-	1
Binax NOW - waived	18	-	18
Genzyme OSOM Influenza A&B	32	-	32
Quidel QuickVue Influenza A+B	7	-	7
Remel Xpect	4	-	4

Antigen present in specimen V-2: Influenza A.

INFLUENZA B ANTIGEN DETECTION

Specimen V-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	68	65	3
BD Directigen	1	1	-
Binax NOW - waived	19	19	-
Genzyme OSOM Influenza A&B	32	29	3
Quidel QuickVue Influenza A+B	7	7	-
Remel Xpect	4	4	-

Antigen present in specimen V-4: Influenza B.

Specimen V-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	67	-	67
BD Directigen	1	-	1
Binax NOW - waived	18	-	18
Genzyme OSOM Influenza A&B	32	-	32
Quidel QuickVue Influenza A+B	7	-	7
Remel Xpect	4	-	4

Antigen present in specimen V-5: RSV.

LEGIONELLA ANTIGEN DETECTION

Specimen L-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	53	-	53

Specimen L-1: Negative for Legionella antigen.

Specimen L-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	53	53	-

Specimen L-2: Positive for Legionella antigen.

LEGIONELLA ANTIGEN DETECTION

Specimen L-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	53	53	-

Specimen L-3: Positive for Legionella antigen.

Specimen L-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	53	-	53

Specimen L-4: Negative for Legionella antigen.

Specimen L-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	53	53	-

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	11	11	-
bioMerieux Vidas, Mini Vidas	1	1	-
Meridian ImmunoCard	3	3	-
Remel Xpect	1	1	-
Wampole C. diff Quik Chek	6	6	-

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	11	-	11
bioMerieux Vidas, Mini Vidas	1	-	1
Meridian ImmunoCard	3	-	3
Remel Xpect	1	-	1
Wampole C. diff Quik Chek	6	-	6

Antigen present in specimen AG-2: Rotavirus.

CLOSTRIDIUM DIFFICILE TOXIN ANTIGEN DETECTION

Specimen AG-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	11	-	11
bioMerieux Vidas, Mini Vidas	1	-	1
Meridian ImmunoCard	3	-	3
Remel Xpect	1	-	1
Wampole C. diff Quik Chek	6	-	6

Antigen present in specimen AG-3: Rotavirus.

Specimen AG-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	11	1	10
bioMerieux Vidas, Mini Vidas	1	-	1
Meridian ImmunoCard	3	1	2
Remel Xpect	1	-	1
Wampole C. diff Quik Chek	6	-	6

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

Specimen AG-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	11	11	-
bioMerieux Vidas, Mini Vidas	1	1	-
Meridian ImmunoCard	3	3	-
Remel Xpect	1	1	-
Wampole C. diff Quik Chek	6	6	-

Antigen present in specimen AG-5: *Clostridium difficile*.

ROTAVIRUS ANTIGEN DETECTION

Specimen AG-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	8	-	8
bioMerieux Vidas, Mini Vidas	1	-	1
Fisher HealthCare Sure-Vue	1	-	1
Meridian ImmunoCard	3	-	3
Remel Xpect	1	-	1

Specimen AG-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	8	7	1
bioMerieux Vidas, Mini Vidas	1	1	-
Fisher HealthCare Sure-Vue	1	1	-
Meridian ImmunoCard	3	3	-
Remel Xpect	1	1	-

Specimen AG-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	8	7	1
bioMerieux Vidas, Mini Vidas	1	1	-
Fisher HealthCare Sure-Vue	1	1	-
Meridian ImmunoCard	3	3	-
Remel Xpect	1	1	-

Specimen AG-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	8	2	6
bioMerieux Vidas, Mini Vidas	1	-	1
Fisher HealthCare Sure-Vue	1	-	1
Meridian ImmunoCard	3	-	3
Remel Xpect	1	1	-

Specimen AG-4 is an ungraded challenge due to less than 80% participant consensus.

Specimen AG-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	8	-	8
bioMerieux Vidas, Mini Vidas	1	-	1
Fisher HealthCare Sure-Vue	1	-	1
Meridian ImmunoCard	3	-	3
Remel Xpect	1	-	1

STREPTOCOCCUS PNEUMONIAE ANTIGEN

Specimen SP-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	57	-	57

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

Specimen SP-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	57	-	57

Specimen SP-2: Negative for *Streptococcus pneumoniae* antigen.

Specimen SP-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	57	57	-

Specimen SP-3: Positive for *Streptococcus pneumoniae* antigen.

Specimen SP-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	57	57	-

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

Specimen SP-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	57	1	56

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

PARASITOLOGY

Specimen PA-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
No parasite seen	2	100%	Acceptable

Parasite present in specimen PA-1: No parasites present.

Specimen PA-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Entamoeba coli	2	66.67%	Not graded
Dientamoeba fragilis	1	33.33%	

Parasite present in specimen PA-2: *Entamoeba coli*. This is an ungraded challenge due to less than 80% participant consensus.

Specimen PA-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Ascaris lumbricoides eggs	2	66.67%	Not graded
No parasite seen	1	33.33%	

Parasite present in specimen PA-3: *Ascaris lumbricoides* eggs. This 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>
Diphyllobothrium latum	3	75%	Not graded
Endolimax nana	1	25%	

Parasite present in specimen PA-4: *Diphyllobothrium latum*. This is an ungraded challenge due to less than 80% participant consensus.

Specimen PA-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Microfilaria, NOS	1	33.33%	Not graded
No parasite seen	1	33.33%	
Plasmodium sp., NOS	1	33.33%	

Parasite present in specimen PA-5: *Brugia malayi*. This is an ungraded challenge due to less than 80% participant consensus.

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