MEDICAL LABORATORY EVALUATION

PARTICIPANT SUMMARY

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MLE
MedicalLaboratoryEvaluation

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

Microbiology
MLE – M1

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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-1

Identification	***Labs***	***Percent***	***Performance***
Positive for Group A Strep	98	47.12%	Acceptable
Presump. Pos. Group A Strep	82	39.42%	Acceptable
Streptococcus pyogenes	12	5.77%	Acceptable
Corynebacterium sp.	1	0.48%	Acceptable
Gram positive cocci	1	0.48%	Acceptable
Presumptive Streptococcus sp.	1	0.48%	Acceptable
Negative for Group A Strep	10	4.81%	

Organisms present in specimen TC-1: *Streptococcus pyogenes* and *Corynebacterium sp*.

Specimen TC-2

Identification	***Labs***	***Percent***	***Performance***
Positive for Group A Strep	102	49.04%	Acceptable
Presump. Pos. Group A Strep	83	39.90%	Acceptable
Streptococcus pyogenes	13	6.25%	Acceptable
Gram positive	2	0.96%	Acceptable
Presumptive Streptococcus sp.	1	0.48%	Acceptable
Negative for Group A Strep	7	3.37%	

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

Specimen TC-3

Identification	***Labs***	***Percent***	***Performance***
Negative for Group A Strep	92	95.83%	Acceptable
No growth (sterile)	3	3.13%	Acceptable

Organisms present in specimen TC-3: *Moraxella catarrhalis* and *Corynebacterium species*.

Specimen TC-4

Identification	***Labs***	***Percent***	***Performance***
Positive for Group A Strep	52	57.78%	Acceptable
Presump. Pos. Group A Strep	37	41.11%	Acceptable

Organisms present in specimen TC-4: *Streptococcus pyogenes* and *Neisseria sicca*.

Specimen TC-5

Identification	***Labs***	***Percent***	***Performance***
Negative for Group A Strep	88	97.78%	Acceptable

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

STREP A ANTIGEN DETECTION

Specimen RS-1

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	694	7	687
Abbott Signify Strep A-waived	19	-	19
Applied Biotech Signify	1	-	1
BD Directigen	3	-	3
BD Directigen EZ	9	-	9
Beckman Coulter ICON DS	14	-	14
Beckman Coulter ICON SC	2	-	2
Binax NOW Strep A	2	-	2
BioStar Acceava Strep A Test	39	-	39
BioStar OIA	4	-	4
BioStar Strep A MAX OIA	14	-	14
Cardinal Health Strep A - moderate	4	-	4
Cardinal Health Strep A - waived	34	-	34
Fisher HealthCare Sure-Vue	3	-	3
Fisher HealthCare Sure-Vue - waived	4	-	4
Genzyme OSOM	47	2	45
Genzyme OSOM Ultra Strep A	65	1	64
Henry Schein One Step	15	-	15
Immunostics Detector Strep A Direct	13	-	13
Instant Technologies i Strep	3	-	3
Inverness Signify Strep A Dipstick	23	-	23
LifeSign Status Strep A	1	-	1
Mainline Confirms	2	-	2
Mainline Confirms Strep A Dots	1	-	1
McKesson Strep A Cassette	10	-	10
McKesson Strep A Dipstick	15	-	15
McKesson Strep A Test - Twist	3	-	3
Polymedco Poly Stat Strep A - moderate	4	-	4
Polymedco Poly Stat Strep A - waived	20	-	20
PSS Select Diag. Strep A Cassette	2	-	2
PSS Select Diag. Strep A Dipstick - waived	18	-	18
Quidel QuickVue Dipstick Strep	96	3	93
Quidel QuickVue In-Line	72	-	72
Quidel QuickVue+	71	-	71
Stanbio QuStick Strep A	3	-	3
Wampole Clearview	6	-	6

STREP A ANTIGEN DETECTION

Specimen RS-2

Method	***Labs***	***Positive***	***Negative***	***Strength of Reaction***		
				Strong	***Moderate***	***Weak***
ALL METHODS	676	662	14	455	136	14
Abbott Signify Strep A-waived	19	19	-	16	2	-
BD Directigen	3	3	-	1	-	2
BD Directigen EZ	9	9	-	5	3	-
Beckman Coulter ICON DS	14	14	-	9	3	-
Beckman Coulter ICON SC	2	2	-	1	-	1
Binax NOW Strep A	2	2	-	-	1	-
BioStar Acceava Strep A Test	37	37	-	21	12	1
BioStar OIA	4	4	-	3	-	1
BioStar Strep A MAX OIA	14	14	-	7	6	-
Cardinal Health Strep A - moderate	4	4	-	4	-	-
Cardinal Health Strep A - waived	33	33	-	18	13	1
Fisher HealthCare Sure-Vue	2	2	-	-	2	-
Fisher HealthCare Sure-Vue - waived	4	4	-	-	3	-
Genzyme OSOM	47	45	2	35	4	-
Genzyme OSOM Ultra Strep A	64	64	-	41	17	-
Henry Schein One Step	14	14	-	10	3	-
Immunostics Detector Strep A Direct	13	13	-	11	1	-
Instant Technologies i Strep	3	3	-	3	-	-
Inverness Signify Strep A Dipstick	23	23	-	13	6	2
LifeSign Status Strep A	1	1	-	1	-	-
Mainline Confirms Strep A Dots	1	1	-	-	1	-
McKesson Strep A Cassette	10	10	-	5	4	-
McKesson Strep A Dipstick	14	14	-	7	4	-
McKesson Strep A Test - Twist	3	3	-	2	1	-
Polymedco Poly Stat Strep A - moderate	4	4	-	1	2	-
Polymedco Poly Stat Strep A - waived	20	20	-	7	9	1
PSS Select Diag. Strep A Cassette	2	2	-	-	2	-
PSS Select Diag. Strep A Dipstick - waived	17	17	-	10	5	1
Quidel QuickVue Dipstick Strep	94	91	3	72	9	1
Quidel QuickVue In-Line	71	63	8	50	10	2
Quidel QuickVue+	69	69	-	61	4	-
Stanbio QuStick Strep A	3	3	-	2	-	-
Wampole Clearview	6	6	-	6	-	-

STREP A ANTIGEN DETECTION

Specimen RS-3

				Strength of Reaction		
Method	***Labs***	***Positive***	***Negative***	***Strong***	***Moderate***	***Weak***
ALL METHODS	305	299	6	199	64	7
Abbott Signify Strep A-waived	8	8	-	7	1	-
BD Directigen	3	3	-	3	-	-
BD Directigen EZ	8	8	-	6	1	-
Beckman Coulter ICON DS	12	12	-	10	1	-
Binax NOW Strep A	2	1	1	-	1	-
BioStar Acceava Strep A Test	9	9	-	3	2	2
BioStar OIA	4	4	-	3	-	1
BioStar Strep A MAX OIA	14	14	-	7	6	-
Cardinal Health Strep A - moderate	3	3	-	2	1	-
Cardinal Health Strep A - waived	10	10	-	4	3	1
Fisher HealthCare Sure-Vue	1	1	-	-	1	-
Fisher HealthCare Sure-Vue - waived	1	1	-	-	1	-
Genzyme OSOM	19	19	-	11	6	-
Genzyme OSOM Ultra Strep A	35	35	-	22	11	-
Henry Schein One Step	3	3	-	2	1	-
Instant Technologies i Strep	2	2	-	2	-	-
Inverness Signify Strep A Dipstick	6	6	-	3	1	1
Mainline Confirms Strep A Dots	1	-	1	-	-	-
McKesson Strep A Cassette	6	6	-	3	2	-
McKesson Strep A Dipstick	10	10	-	6	1	-
McKesson Strep A Test - Twist	2	2	-	2	-	-
Polymedco Poly Stat Strep A - moderate	4	4	-	1	2	-
Polymedco Poly Stat Strep A - waived	3	3	-	1	1	-
PSS Select Diag. Strep A Dipstick - waived	5	5	-	4	1	-
Quidel QuickVue Dipstick Strep	16	16	-	11	2	1
Quidel QuickVue In-Line	27	23	4	18	4	1
Quidel QuickVue+	64	64	-	51	9	-
Stanbio QuStick Strep A	2	2	-	1	-	-
Wampole Clearview	1	1	-	1	-	-

STREP A ANTIGEN DETECTION

Specimen RS-4

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	250	2	248
Abbott Signify Strep A-waived	8	1	7
BD Directigen	3	-	3
BD Directigen EZ	8	-	8
Beckman Coulter ICON DS	12	-	12
Binax NOW Strep A	1	-	1
BioStar Acceava Strep A Test	8	-	8
BioStar OIA	4	-	4
BioStar Strep A MAX OIA	14	-	14
Cardinal Health Strep A - moderate	3	-	3
Cardinal Health Strep A - waived	10	-	10
Fisher HealthCare Sure-Vue	1	-	1
Fisher HealthCare Sure-Vue - waived	1	-	1
Genzyme OSOM	16	-	16
Genzyme OSOM Ultra Strep A	30	-	30
Henry Schein One Step	3	-	3
Instant Technologies i Strep	1	-	1
Inverness Signify Strep A Dipstick	6	-	6
Mainline Confirms Strep A Dots	1	-	1
McKesson Strep A Cassette	4	-	4
McKesson Strep A Dipstick	8	-	8
McKesson Strep A Test - Twist	2	-	2
Polymedco Poly Stat Strep A - moderate	3	-	3
Polymedco Poly Stat Strep A - waived	2	-	2
PSS Select Diag. Strep A Dipstick - waived	5	-	5
Quidel QuickVue Dipstick Strep	8	-	8
Quidel QuickVue In-Line	24	-	24
Quidel QuickVue+	45	1	44
Stanbio QuStick Strep A	2	-	2
Wampole Clearview	1	-	1

STREP A ANTIGEN DETECTION

Specimen RS-5

				Strength of Reaction		
Method	***Labs***	***Positive***	***Negative***	***Strong***	***Moderate***	***Weak***
ALL METHODS	250	244	6	144	56	14
Abbott Signify Strep A-waived	8	7	1	7	-	-
BD Directigen	3	3	-	1	-	2
BD Directigen EZ	8	8	-	6	1	-
Beckman Coulter ICON DS	12	12	-	6	5	-
Binax NOW Strep A	1	1	-	-	1	-
BioStar Acceava Strep A Test	8	8	-	4	1	1
BioStar OIA	4	4	-	3	-	1
BioStar Strep A MAX OIA	14	14	-	6	5	-
Cardinal Health Strep A - moderate	3	3	-	2	1	-
Cardinal Health Strep A - waived	10	10	-	4	4	-
Fisher HealthCare Sure-Vue	1	1	-	1	-	-
Fisher HealthCare Sure-Vue - waived	1	1	-	1	-	-
Genzyme OSOM	16	16	-	10	4	1
Genzyme OSOM Ultra Strep A	30	30	-	19	6	2
Henry Schein One Step	3	3	-	1	-	1
Instant Technologies i Strep	1	1	-	1	-	-
Inverness Signify Strep A Dipstick	6	6	-	2	2	1
Mainline Confirms Strep A Dots	1	1	-	-	-	1
McKesson Strep A Cassette	4	4	-	2	2	-
McKesson Strep A Dipstick	8	8	-	3	2	-
McKesson Strep A Test - Twist	2	2	-	2	-	-
Polymedco Poly Stat Strep A - moderate	3	3	-	-	2	-
Polymedco Poly Stat Strep A - waived	2	2	-	-	1	-
PSS Select Diag. Strep A Dipstick - waived	5	5	-	4	1	-
Quidel QuickVue Dipstick Strep	8	8	-	5	1	-
Quidel QuickVue In-Line	24	20	4	12	6	2
Quidel QuickVue+	45	44	1	32	8	-
Stanbio QuStick Strep A	2	2	-	1	-	-
Wampole Clearview	1	1	-	1	-	-

GENERAL BACTERIOLOGY

Specimen UC-1 – Urine Culture

Identification	***Labs***	***Percent***	***Performance***
Escherichia coli	8	88.89%	Acceptable
Gram negative bacilli	1	11.11%	Acceptable
Gram Stain			
Gram negative	9	100%	Acceptable
Gram Stain Morphology			
Rods/bacilli	9	100%	

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

GENERAL BACTERIOLOGY

Specimen TC-1 – Throat Culture

Identification	***Labs***	***Percent***	***Performance***
Streptococcus pyogenes	4	40%	Acceptable
Presump. Pos. Group A Strep	3	30%	Acceptable
Positive for Group A Strep	2	20%	Acceptable
Corynebacterium sp.	1	10%	Acceptable

Organisms present in specimen TC-1: *Streptococcus pyogenes* and *Corynebacterium sp*.

Specimen BA-1 – Wound Culture

Identification	***Labs***	***Percent***	***Performance***
Proteus mirabilis	5	71.43%	Acceptable
Gram positive cocci	1	14.29%	Acceptable

Organisms present in specimen BA-1: *Proteus mirabilis* and *Staphylococcus epidermidis.*

Specimen BA-2 – Blood Culture

Identification	***Labs***	***Percent***	***Performance***
Staphylococcus aureus	5	100%	Acceptable

Organism present in specimen BA-2: *Staphylococcus aureus.*

Specimen BA-3 – Respiratory Culture

Identification	***Labs***	***Percent***	***Performance***
Streptococcus pneumoniae	4	80%	Acceptable
Growth, referred for identification	1	20%	Acceptable

Organisms present in specimen BA-3: *Streptococcus pneumoniae* and *Streptococcus viridans*.

URINE CULTURE

Specimen UC-1

Identification	***Labs***	***Percent***	***Performance***
Escherichia coli	50	45.87%	Acceptable
Growth, referred for identification	25	22.94%	Acceptable
Gram negative bacilli	14	12.84%	Acceptable
Presump. Escherichia coli	11	10.09%	Acceptable
Presump. Gram negative	8	7.34%	Acceptable
Bacturcult Group I	1	0.92%	Acceptable

Gram Stain

Gram negative	47	97.92%	Acceptable

Gram Stain Morphology

Rods/bacilli	44	100%

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

Specimen UC-2

Identification	***Labs***	***Percent***	***Performance***
Growth, referred for identification	35	31.82%	Acceptable
Enterococcus sp.	27	24.55%	Acceptable
Gram positive cocci	16	14.55%	Acceptable
Presump. Gram positive	12	10.91%	Acceptable
Enterococcus (Strep) faecalis	7	6.36%	Acceptable
Presump. Enterococcus sp.	4	3.64%	Acceptable
Presumptive Streptococcus sp.	3	2.73%	Acceptable
Streptococcus non-hemolytic	1	0.91%	Acceptable
Bacturcult Group I	1	0.91%	Acceptable

Organisms present in specimen UC-2: *Enterococcus (Strep) faecalis* and *Lactobacillus casei.*

URINE CULTURE

Specimen UC-3

Identification	***Labs***	***Percent***	***Performance***
Growth, referred for identification	30	41.62%	Acceptable
Staphylococcus aureus	21	29.17%	Acceptable
Presump. Gram positive	7	9.72%	Acceptable
Gram positive cocci	6	8.33%	Acceptable
Staphylococcus sp.	4	5.56%	Acceptable
Presump. Staphylococcus sp.	2	2.78%	Acceptable
Bacturcult Group II	1	1.39%	Acceptable

Organisms present in specimen UC-3: *Staphylococcus aureus* and *Staphylococcus epidermidis.*

Specimen UC-4

Identification	***Labs***	***Percent***	***Performance***
Growth, referred for identification	11	33.33%	Acceptable
Citrobacter freundii	7	21.21%	Acceptable
Presump. Gram negative	4	12.12%	Acceptable
Citrobacter sp.	3	9.09%	Acceptable
Gram negative bacilli	1	3.03%	Acceptable

Organism present in specimen UC-4: *Citrobacter freundii*.

Specimen UC-5

Identification	***Labs***	***Percent***	***Performance***
Growth, referred for identification	9	26.47%	Acceptable
Pseudomonas aeruginosa	9	26.47%	Acceptable
Pseudomonas sp.	5	14.71%	Acceptable
Presump. Gram negative	5	14.71%	Acceptable
Presump. Pseudomonas sp.	3	8.82%	Acceptable
Gram negative bacilli	2	5.88%	Acceptable

Organisms present in specimen UC-5: *Pseudomonas aeruginosa* and *Corynebacterium species.*

ANTIMICROBIAL SUSCEPTIBILIY TESTING

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

	------Disk Diffusion------				------MIC------				
	Interpretative category data				Interpretative category data				
Antimicrobial	***Labs***	***S***	***I***	***R***	***Labs***	***S***	***I***	***R***	***Acceptable (%)***
Amikacin	3	3	-	-	5	5	-	-	100%
Amoxicillin/Clavulanate	12	12	-	-	7	7	-	-	100%
Ampicillin	47	40	6	1	14	14	-	-	85.23%
Ampicillin/Sulbactam	-	-	-	-	6	6	-	-	100%
Aztreonam	-	-	-	-	3	3	-	-	100%
Carbenicillin	20	19	1	-	2	2	-	-	96.55%
Cefaclor	1	1	-	-	-	-	-	-	100%
Cefazolin	6	6	-	-	8	8	-	-	100%
Cefepime	-	-	-	-	3	3	-	-	100%
Cefixime	7	7	-	-	-	-	-	-	100%
Cefotaxime	-	-	-	-	1	1	-	-	100%
Cefotetan	-	-	-	-	2	2	-	-	100%
Cefoxitin	1	1	-	-	2	2	-	-	100%
Ceftazidime	4	4	-	-	5	5	-	-	100%
Ceftriaxone	4	4	-	-	7	7	-	-	100%
Cefuroxime	4	2	2	-	7	7	-	-	85.71%
Cephalothin	35	23	6	6	10	10	-	-	Not graded[1]
Cinoxacin	2	2	-	-	-	-	-	-	100%
Ciprofloxacin	46	46	-	-	14	14	-	-	100%
Doxycycline	4	4	-	-	1	1	-	-	100%
Ertapenem	-	-	-	-	1	1	-	-	100%
Fosfomycin	1	1	-	-	-	-	-	-	100%
Gatifloxacin	-	-	-	-	1	1	-	-	100%
Gemifoxacin	-	-	-	-	1	1	-	-	Inappropiate drug[2]
Gentamicin	29	29	-	-	10	10	-	-	100%
Imipenem	1	1	-	-	4	4	-	-	100%
Levofloxacin	14	14	-	-	9	9	-	-	100%
Lomefloxacin	1	1	-	-	2	2	-	-	100%
Mezlocillin	1	1	-	-	-	-	-	-	100%
Nalidixic Acid	1	1	-	-	2	2	-	-	100%
Nitrofurantoin	54	53	-	1	15	15	-	-	98.98%
Norfloxacin	22	22	-	-	5	5	-	-	100%
Ofloxacin	4	4	-	-	1	1	-	-	100%
Penicillin	1	-	-	1	-	-	-	-	Inappropriate drug[2]
Piperacillin	-	-	-	-	1	1	-	-	100%
Piperacillin/Tazobactam	-	-	-	-	5	5	-	-	100%
Sulfisoxazole	7	7	-	-	1	1	-	-	100%
Sulfonamides	1	1	-	-	-	-	-	-	100%
Tetracycline	11	11	-	-	7	7	-	-	96.67%
Ticarcillin/Clavulanate	1	1	-	-	3	3	-	-	100%
Tobramycin	3	3	-	-	7	7	-	-	100%
Trimethoprim	5	5	-	-	5	5	-	-	100%
Trimethoprim/Sulfamethoxazole	51	51	-	-	13	13	-	-	100%
Vancomycin	1	1	-	-	-	-	-	-	Inappropriate drug[2]

[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.

GC CULTURE

Specimen GC-1

Identification	***Labs***	***Percent***	***Performance***
Presump. GC, referred for ID	24	61.54%	Acceptable
Neisseria gonorrhoeae	14	35.90%	Acceptable
Growth, referred for identification	1	2.56%	Acceptable
Beta-lactamase Testing			
Negative	5	71.43%	
Positive	2	28.57%	
Gram Stain			
Gram negative	33	97.06%	Acceptable
Gram Stain Morphology			
Diplococci	34	97.14%	

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

Specimen GC-2

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

Organisms present in specimen GC-2: *Streptococcus group B* and *Escherichea coli.*

Specimen GC-3

Identification	***Labs***	***Percent***	***Performance***
Presump. GC, referred for ID	16	80.00%	Acceptable
Neisseria gonorrhoeae	4	20.00%	Acceptable
Beta-lactamase Testing			
Positive	1	50.00%	
Negative	1	50.00%	

Organisms present in specimen GC-3: *Neisseria gonorrhoeae* and *Stapylococcus epidermidis*.

GC CULTURE

Specimen GC-4

Identification	***Labs***	***Percent***	***Performance***
Presump. GC, referred for ID	16	80.00%	Acceptable
Neisseria gonorrhoeae	4	20.00%	Acceptable

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

Beta-lactamase Testing

Positive	1	50.00%
Negative	1	50.00%

Specimen GC-5

Identification	***Labs***	***Percent***	***Performance***
Negative for N. gonorrhoeae	12	60.00%	Acceptable
No growth (sterile)	8	40.00%	Acceptable

Organisms present in specimen GC-5: *Gardnerella vaginalis* and *Lactobacillus casei.*

COLONY COUNT/PRESUMPTIVE IDENTIFICATION

Specimen CC-1

Method	***Labs***	***No growth***	***<10,000 organisms/mL***	***10,000-100,000 organisms/mL***	***>100,000 organisms/mL***
ALL METHODS	98	1	2	4	91
Bacti-Star	1	-	-	-	1
Bacturcult	1	-	-	-	1
Bulls Eye	6	-	-	-	6
Calibrated Loop	25	-	-	-	25
Troy Bacti-Urine, Plate	1	1	-	-	-
Uri-Check	12	-	-	-	12
Uricult	48	-	2	4	42
Uri-Three	1	-	-	-	1

Identification–Specimen CC-1

Identification	***Labs***	***Percent***	***Performance***
Presump. Escherichia coli	13	39.39%	Acceptable
Presump. Gram negative	10	30.30%	Acceptable
Growth, referred for identification	6	18.18%	Acceptable
Escherichia coli	2	6.06%	Acceptable
Gram Stain			
Gram negative	3	100%	Acceptable
Gram Stain Morphology			
Rods/bacilli	5	100%	

Organism present in specimen CC-1: >100,000 CFU/mL of *Escherichia coli.*

COLONY COUNT/PRESUMPTIVE IDENTIFICATION

Specimen CC-2

Method	***Labs***	***No growth***	***<10,000 organisms/mL***	***10,000-100,000 organisms/mL***	***>100,000 organisms/mL***
ALL METHODS	97	7	7	36	47
Bacturcult	1	-	-	-	1
Bulls Eye	6	1	-	1	4
Calibrated Loop	25	-	1	3	21
Troy Bacti-Urine, Plate	1	1	-	-	-
Uri-Check	12	-	1	2	9
Uricult	48	5	5	27	11
Uri-Three	1	-	-	1	-

Identification–Specimen CC-2

Identification	***Labs***	***Percent***	***Performance***
Presump. Gram positive	11	35.48%	Acceptable
Growth, referred for identification	11	35.48%	Acceptable
Presump. Enterococcus sp.	5	16.13%	Acceptable
Gram positive cocci	1	3.23%	Acceptable

Organisms present in specimen CC-2: >100,000 CFU/mL *Enterococcus faecalis* and approximately 1,500 CFU/mL of *Lactobacillus casei.*

Identification–Specimen CC-3

Identification	***Labs***	***Percent***	***Performance***
Presump. Gram positive	9	33.33%	Acceptable
Presump. Staphylococcus sp.	7	25.93%	Acceptable
Growth, referred for identification	5	18.52%	Acceptable
Staphylococcus aureus	2	7.41%	Acceptable

Organisms present in specimen CC-3: >100,000 CFU/mL of *Staphylococcus aureus* and approximately 6,000 CFU/mL of *Staphylococcus epidermidis.*

Identification–Specimen CC-4

Identification	***Labs***	***Percent***	***Performance***
No growth (sterile)	8	29.63%	Not graded
Presump. Gram negative	6	22.22%	
Growth, referred for identification	4	14.81%	
Citrobacter freundii	1	3.70%	
Presump. Gram positive	5	18.52%	

Organism present in specimen CC-4: Approximately 21,000 CFU/mL of *Citrobacter freundii*. This specimen is ungraded due to the lack of 80% referee consensus.

COLONY COUNT/PRESUMPTIVE IDENTIFICATION

Identification–Specimen CC-5

Identification	***Labs***	***Percent***	***Performance***
Presump. Pseudomonas sp.	13	48.15%	Acceptable
Presump. Gram negative	9	33.33%	Acceptable
Growth, referred for identification	3	11.11%	Acceptable
Pseudomonas aeruginosa	2	7.41%	Acceptable

Organisms present in specimen CC-5: Approximately 37,000 CFU/mL of *Pseudomonas aeruginosa* and approximately 3,500 CFU/mL of *Corynebacterium species*.

DERMATOPHYTE SCREEN

Specimen DM-1

Identification	***Labs***	***Percent***	***Performance***
Dermatophyte present	17	89.47%	Acceptable
Dermatophyte absent	2	10.53%	

Organism present in specimen DM-1: *Trichophyton tonsurans*.

Specimen DM-2

Identification	***Labs***	***Percent***	***Performance***
Dermatophyte absent	16	84.21%	Acceptable
Dermatophyte present	3	15.79%	

Organisms present in specimen DM-2: *Aspergilus niger* and *Lactobacillus casei.*

GRAM STAIN

Specimen GS-1

Identification	***Labs***	***Percent***	***Performance***
Gram negative	48	94.12%	Acceptable
Gram positive	3	5.88%	
Gram Stain Morphology			
Rods/bacilli	39	86.67%	
Cocco-bacilli	5	11.11%	
Cocci in chains	1	2.22%	

Organism present in specimen GS-1: *Klebsiella pneumoniae.*

Specimen GS-2

Identification	***Labs***	***Percent***	***Performance***
Gram negative	50	98.04%	Acceptable
Gram positive	1	1.96%	
Gram Stain Morphology			
Rods/bacilli	16	35.56%	
Cocco-bacilli	13	28.89%	
Diplococci	5	11.11%	
Cocci in pairs	5	11.11%	
Cocci	5	11.11%	
Cocci in chains	1	2.22%	

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

Specimen GS-3

Identification	***Labs***	***Percent***	***Performance***
Gram positive	50	98.04%	Acceptable
Gram negative	1	1.96%	
Gram Stain Morphology			
Cocci	31	68.89%	
Cocci in chains	9	20.00%	
Cocci in pairs	5	11.11%	

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

GRAM STAIN

Specimen GS-4

Identification	***Labs***	***Percent***	***Performance***
Gram negative	50	98.04%	Acceptable
Gram positive	1	1.96%	

Gram Stain Morphology

Rods/bacilli	40	88.89%
Cocci in chains	2	4.44%
Cocco-bacilli	2	4.44%
Cocci in pairs	1	2.22%

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

Specimen GS-5

Identification	***Labs***	***Percent***	***Performance***
Gram positive	50	98.04%	Acceptable
Gram negative	1	1.96%	

Gram Stain Morphology

Cocci	17	37.78%
Cocci in chains	16	35.56%
Cocci in pairs	10	22.22%
Rods/bacilli	2	4.44%

Organism present in specimen GS-5: *Streptococcus pneumoniae*.

AFFIRM VP III–Trichomonas vaginalis

Specimen VP-1

Identification	***Labs***	***Percent***	***Performance***
Negative	24	100%	Acceptable

Organism present in specimen VP-1: *Gardnerella vaginalis*.

Specimen VP-2

Identification	***Labs***	***Percent***	***Performance***
Negative	24	100%	Acceptable

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

AFFIRM VP III–Trichomonas vaginalis

Specimen VP-3

Identification	***Labs***	***Percent***	***Performance***
Positive	24	100%	Acceptable

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

Specimen VP-4

Identification	***Labs***	***Percent***	***Performance***
Negative	24	100%	Acceptable

Organism present in specimen VP-4: No organisms were present.

Specimen VP-5

Identification	***Labs***	***Percent***	***Performance***
Positive	23	95.83%	Acceptable
Negative	1	4.17%	

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

AFFIRM VP III–Gardnerella vaginalis

Specimen VP-1

Identification	***Labs***	***Percent***	***Performance***
Positive	21	87.50%	Acceptable
Negative	3	12.50%	

Specimen VP-2

Identification	***Labs***	***Percent***	***Performance***
Negative	24	100%	Acceptable

Specimen VP-3

Identification	***Labs***	***Percent***	***Performance***
Positive	19	79.17%	Acceptable
Negative	5	20.83%	

This specimen was graded by referee consensus.

AFFIRM VP III–Gardnerella vaginalis

Specimen VP-4

Identification	***Labs***	***Percent***	***Performance***
Negative	24	100%	Acceptable

Specimen VP-5

Identification	***Labs***	***Percent***	***Performance***
Negative	24	100%	Acceptable

AFFIRM VP III–Candida sp.

Specimen VP-1

Identification	***Labs***	***Percent***	***Performance***
Negative	24	100%	Acceptable

Specimen VP-2

Identification	***Labs***	***Percent***	***Performance***
Positive	24	100%	Acceptable

Specimen VP-3

Identification	***Labs***	***Percent***	***Performance***
Negative	24	100%	Acceptable

Specimen VP-4

Identification	***Labs***	***Percent***	***Performance***
Negative	24	100%	Acceptable

Specimen VP-5

Identification	***Labs***	***Percent***	***Performance***
Negative	24	100%	Acceptable

CHLAMYDIA (ANTIGEN DETECTION)

Specimen CY-1

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	19	-	19
BD ProbeTec	6	-	6
bioMerieux Vitek, Mini Vidas	2	-	2
BioStar OIA	1	-	1
Gen-Probe	2	-	2
Gen-Probe APTIMA	1	-	1
Quidel QuickVue	7	-	7

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

Specimen CY-2

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	19	19	-
BD ProbeTec	6	6	-
bioMerieux Vitek, Mini Vidas	2	2	-
BioStar OIA	1	1	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	1	1	-
Quidel QuickVue	7	7	-

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

Specimen CY-3

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	15	1	14
BD ProbeTec	6	1	5
bioMerieux Vitek, Mini Vidas	2	-	2
BioStar OIA	1	-	1
Gen-Probe	2	-	2
Gen-Probe APTIMA	1	-	1
Quidel QuickVue	3	-	3

Organism present in specimen CY-13: No organisms were present.

CHLAMYDIA (ANTIGEN DETECTION)

Specimen CY-4

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	15	1	14
BD ProbeTec	6	1	5
bioMerieux Vitek, Mini Vidas	2	-	2
BioStar OIA	1	-	1
Gen-Probe	2	-	2
Gen-Probe APTIMA	1	-	1
Quidel QuickVue	3	-	3

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

Specimen CY-5

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	15	14	1
BD ProbeTec	6	5	1
bioMerieux Vitek, Mini Vidas	2	2	-
BioStar OIA	1	1	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	1	1	-
Quidel QuickVue	3	3	-

Organism present in specimen CY-5: *Chlamydia trachomatis*.

GC (ANTIGEN DETECTION)

Specimen CY-1

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	10	10	-
BD ProbeTec	6	6	-
BioStar OIA	1	1	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	1	1	-

Specimen CY-2

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	10	-	10
BD ProbeTec	6	-	6
BioStar OIA	1	-	1
Gen-Probe	2	-	2
Gen-Probe APTIMA	1	-	1

GC (ANTIGEN DETECTION)

Specimen CY-3

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	10	-	10
BD ProbeTec	6	-	6
BioStar OIA	1	-	1
Gen-Probe	2	-	2
Gen-Probe APTIMA	1	-	1

Specimen CY-4

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	10	9	1
BD ProbeTec	6	5	1
BioStar OIA	1	1	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	1	1	-

Specimen CY-5

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	10	1	9
BD ProbeTec	6	1	5
BioStar OIA	1	-	1
Gen-Probe	2	-	2
Gen-Probe APTIMA	1	-	1

CRYPTOSPORIDIUM ANTIGEN DETECTION

Specimen LC-1

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	6	-	6
Meridian ImmunoCard STAT	2	-	2
Remel Xpect	4	-	4

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

Specimen LC-2

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	6	-	6
Meridian ImmunoCard STAT	2	-	2
Remel Xpect	4	-	4

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

CRYPTOSPORIDIUM ANTIGEN DETECTION

Specimen LC-3

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	6	6	-
Meridian ImmunoCard STAT	2	2	-
Remel Xpect	4	4	-

Antigen present in specimen LC-3: *Cryptosporidium.*

Specimen LC-4

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	6	-	6
Meridian ImmunoCard STAT	2	-	2
Remel Xpect	4	-	4

Antigen present in specimen LC-4: No antigens were present.

Specimen LC-5

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	6	6	-
Meridian ImmunoCard STAT	2	2	-
Remel Xpect	4	4	-

Antigens present in specimen LC-5: *Cryptosporidium* and *Giardia lamblia.*

GIARDIA LAMBLIA ANTIGEN DETECTION

Specimen LC-1

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	8	8	-
Alexon (Hycor)	1	1	-
Meridian ImmunoCard STAT	2	2	-
Remel Xpect	5	5	-

Specimen LC-2

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	8	-	8
Alexon (Hycor)	1	-	1
Meridian ImmunoCard STAT	2	-	2
Remel Xpect	5	-	5

GIARDIA LAMBLIA ANTIGEN DETECTION

Specimen LC-3

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	8	-	8
Alexon (Hycor)	1	-	1
Meridian ImmunoCard STAT	2	-	2
Remel Xpect	5	-	5

Specimen LC-4

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	8	-	8
Alexon (Hycor)	1	-	1
Meridian ImmunoCard STAT	2	-	2
Remel Xpect	5	-	5

Specimen LC-5

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	8	8	-
Alexon (Hycor)	1	1	-
Meridian ImmunoCard STAT	2	2	-
Remel Xpect	5	5	-

RSV ANTIGEN DETECTION

Specimen V-1

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	36	35	1
BD Directigen	1	1	-
Binax NOW - waived	20	19	1
BioStar OIA	3	3	-
Fisher HealthCare Sure-Vue - waived	2	2	-
Quidel QuickVue	6	6	-
Remel Xpect - waived	1	1	-
Wampole Clearview RSV - waived	1	1	-

Antigen present in specimen V-1: RSV.

RSV ANTIGEN DETECTION

Specimen V-2

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	36	-	36
BD Directigen	1	-	1
Binax NOW - waived	20	-	20
BioStar OIA	3	-	3
Fisher HealthCare Sure-Vue - waived	2	-	2
Quidel QuickVue	6	-	6
Remel Xpect - waived	1	-	1
Wampole Clearview RSV - waived	1	-	1

Antigen present in specimen V-2: Influenza A.

Specimen V-3

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	19	-	19
BD Directigen	1	-	1
Binax NOW - waived	8	-	8
BioStar OIA	3	-	3
Fisher HealthCare Sure-Vue - waived	1	-	1
Quidel QuickVue	2	-	2
Remel Xpect - waived	1	-	1
Wampole Clearview RSV - waived	1	-	1

Antigen present in specimen V-3: Influenza B.

Specimen V-4

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	19	19	-
BD Directigen	1	1	-
Binax NOW - waived	8	8	-
BioStar OIA	3	3	-
Fisher HealthCare Sure-Vue - waived	1	1	-
Quidel QuickVue	2	2	-
Remel Xpect - waived	1	1	-
Wampole Clearview RSV - waived	1	1	-

Antigen present in specimen V-4: RSV.

RSV ANTIGEN DETECTION

Specimen V-5

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	19	-	19
BD Directigen	1	-	1
Binax NOW - waived	8	-	8
BioStar OIA	3	-	3
Fisher HealthCare Sure-Vue - waived	1	-	1
Quidel QuickVue	2	-	2
Remel Xpect - waived	1	-	1
Wampole Clearview RSV - waived	1	-	1

Antigen present in specimen V-5: Influenza A.

INFLUENZA A/B ANTIGEN DETECTION

Specimen V-1

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	95	2	93
BioStar OIA	5	-	5
Quidel QuickVue Influenza	84	2	82

Antigen present in specimen V-1: RSV.

Specimen V-2

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	94	77	17
BioStar OIA	5	4	1
Quidel QuickVue Influenza	83	67	16

Antigen present in specimen V-2: Influenza A.

Specimen V-3

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	25	24	1
BioStar OIA	5	4	1
Quidel QuickVue Influenza	19	19	-

Antigen present in specimen V-3: Influenza B.

INFLUENZA A/B ANTIGEN DETECTION

Specimen V-4

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	25	-	25
BioStar OIA	5	-	5
Quidel QuickVue Influenza	20	-	20

Antigen present in specimen V-4: RSV.

Specimen V-5

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	25	21	4
BioStar OIA	5	5	-
Quidel QuickVue Influenza	19	15	4

Antigen present in specimen V-5: Influenza A.

INFLUENZA A ANTIGEN DETECTION

Specimen V-1

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	108	2	106
Binax NOW - waived	38	1	37
BioStar Flu OIA A/B	3	-	3
Quidel QuickVue Influenza A+B	60	1	59
Remel Xpect	5	-	5

Antigen present in specimen V-1: RSV.

Specimen V-2

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	108	98	10
Binax NOW - waived	38	33	5
BioStar Flu OIA A/B	3	3	-
Quidel QuickVue Influenza A+B	60	55	5
Remel Xpect	5	5	-

Antigen present in specimen V-2: Influenza A.

INFLUENZA A ANTIGEN DETECTION

Specimen V-3

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	41	-	41
Binax NOW - waived	14	-	14
BioStar Flu OIA A/B	3	-	3
Quidel QuickVue Influenza A+B	17	-	17
Remel Xpect	5	-	5

Antigen present in specimen V-3: Influenza B.

Specimen V-4

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	41	-	41
Binax NOW - waived	14	-	14
BioStar Flu OIA A/B	3	-	3
Quidel QuickVue Influenza A+B	17	-	17
Remel Xpect	5	-	5

Antigen present in specimen V-4: RSV.

Specimen V-5

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	42	37	5
Binax NOW - waived	15	14	1
BioStar Flu OIA A/B	3	3	-
Quidel QuickVue Influenza A+B	17	13	4
Remel Xpect	5	5	-

Antigen present in specimen V-5: Influenza A.

INFLUENZA B ANTIGEN DETECTION

Specimen V-1

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	107	-	107
Binax NOW - waived	37	-	37
BioStar Flu OIA A/B	3	-	3
Quidel QuickVue Influenza A+B	60	-	60
Remel Xpect	5	-	5

Antigen present in specimen V-1: RSV.

Specimen V-2

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	106	-	106
Binax NOW - waived	36	-	36
BioStar Flu OIA A/B	3	-	3
Quidel QuickVue Influenza A+B	60	-	60
Remel Xpect	5	-	5

Antigen present in specimen V-2: Influenza A.

Specimen V-3

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	43	43	-
Binax NOW - waived	16	16	-
BioStar Flu OIA A/B	3	3	-
Quidel QuickVue Influenza A+B	17	17	-
Remel Xpect	5	5	-

Antigen present in specimen V-3: Influenza B.

INFLUENZA B ANTIGEN DETECTION

Specimen V-4

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	41	-	41
Binax NOW - waived	14	-	14
BioStar Flu OIA A/B	3	-	3
Quidel QuickVue Influenza A+B	17	-	17
Remel Xpect	5	-	5

Antigen present in specimen V-4: RSV.

Specimen V-5

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	41	-	41
Binax NOW - waived	14	-	14
BioStar Flu OIA A/B	3	-	3
Quidel QuickVue Influenza A+B	17	-	17
Remel Xpect	5	-	5

Antigen present in specimen V-5: Influenza A.

LEGIONELLA ANTIGEN DETETION

Specimen L-1

Method	***Labs***	***Positive***	***Negative***
Binax NOW	63	-	63

Specimen L-1: Negative for Legionella antigen.

Specimen L-2

Method	***Labs***	***Positive***	***Negative***
Binax NOW	63	-	63

Specimen L-2: Negative for Legionella antigen.

Specimen L-3

Method	***Labs***	***Positive***	***Negative***
Binax NOW	63	63	-

Specimen L-3: Positive for Legionella antigen.

LEGIONELLA ANTIGEN DETETION

Specimen L-4

Method	***Labs***	***Positive***	***Negative***
Binax NOW	63	63	-

Specimen L-4: Positive for Legionella antigen.

Specimen L-5

Method	***Labs***	***Positive***	***Negative***
Binax NOW	63	1	62

Specimen L-5: Negative for Legionella antigen.

CLOSTRIDIUM DIFFICILE TOXIN ANTIGEN DETECTION

Specimen AG-1

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	13	13	-
Alexon (Hycor)	1	1	-
bioMerieux Vitek, Mini Vidas	2	2	-
BioStar OIA	2	2	-
Meridian ImmunoCard	2	2	-
Meridian Premier	1	1	-
Remel Xpect	3	3	-

Antigens present in specimen AG-1: *Clostridium difficile* and Rotavirus.

Specimen AG-2

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	13	13	-
Alexon (Hycor)	1	1	-
bioMerieux Vitek, Mini Vidas	2	2	-
BioStar OIA	2	2	-
Meridian ImmunoCard	2	2	-
Meridian Premier	1	1	-
Remel Xpect	3	3	-

Antigen present in specimen AG-2: *Clostridium difficile*.

CLOSTRIDIUM DIFFICILE TOXIN ANTIGEN DETECTION

Specimen AG-3

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	13	13	-
Alexon (Hycor)	1	1	-
bioMerieux Vitek, Mini Vidas	2	2	-
BioStar OIA	2	2	-
Meridian ImmunoCard	2	2	-
Meridian Premier	1	1	-
Remel Xpect	3	3	-

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

Specimen AG-4

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	13	-	13
Alexon (Hycor)	1	-	1
bioMerieux Vitek, Mini Vidas	2	-	2
BioStar OIA	2	-	2
Meridian ImmunoCard	2	-	2
Meridian Premier	1	-	1
Remel Xpect	3	-	3

Antigen present in specimen AG-4: Rotavirus.

Specimen AG-5

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	13	-	13
Alexon (Hycor)	1	-	1
bioMerieux Vitek, Mini Vidas	2	-	2
BioStar OIA	2	-	2
Meridian ImmunoCard	2	-	2
Meridian Premier	1	-	1
Remel Xpect	3	-	3

Antigen present in specimen AG-5: Rotavirus.

ROTAVIRUS ANTIGEN DETECTION

Specimen AG-1

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	9	9	-
bioMerieux Vitek, Mini Vidas	1	1	-
Fisher HealthCare Sure-Vue	3	3	-
Meridian ImmunoCard	4	4	-

Specimen AG-2

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	9	-	9
bioMerieux Vitek, Mini Vidas	1	-	1
Fisher HealthCare Sure-Vue	3	-	3
Meridian ImmunoCard	4	-	4

Specimen AG-3

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	9	-	9
bioMerieux Vitek, Mini Vidas	1	-	1
Fisher HealthCare Sure-Vue	3	-	3
Meridian ImmunoCard	4	-	4

Specimen AG-4

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	9	9	-
bioMerieux Vitek, Mini Vidas	1	1	-
Fisher HealthCare Sure-Vue	3	3	-
Meridian ImmunoCard	4	4	-

Specimen AG-5

Method	***Labs***	***Positive***	***Negative***
ALL METHODS	9	9	-
bioMerieux Vitek, Mini Vidas	1	1	-
Fisher HealthCare Sure-Vue	3	3	-
Meridian ImmunoCard	4	4	-

STREPTOCOCCUS PNEUMONIAE ANTIGEN

Specimen SP-1

Method	***Labs***	***Positive***	***Negative***
Binax NOW	69	-	69

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

Specimen SP-2

Method	***Labs***	***Positive***	***Negative***
Binax NOW	69	69	-

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

Specimen SP-3

Method	***Labs***	***Positive***	***Negative***
Binax NOW	69	68	1

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

Specimen SP-4

Method	***Labs***	***Positive***	***Negative***
Binax NOW	69	69	-

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

Specimen SP-15

Method	***Labs***	***Positive***	***Negative***
Binax NOW	69	-	69

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

PARASITOLOGY

Specimen PA-1

Identification	***Labs***	***Percent***	***Performance***
No parasite seen	3	75%	Not graded
Dientamoeba fragilis	1	25%	

Parasite present in specimen PA-1: No parasites present. This specimen is ungraded due to the lack of 80% participant consensus.

Specimen PA-2

Identification	***Labs***	***Percent***	***Performance***
Entamoeba coli	1	16.67%	Not graded
Entamoeba histolytica	2	33.33%	
Taenia sp. eggs	1	16.67%	
Diphyllobothrium latum	1	16.67%	
Endolimax nana	1	16.67%	

Parasite present in specimen PA-2: *Entamoeba coli.* This specimen is ungraded due to the lack of 80% participant consensus.

Technical tip: Careful examination of the cyst stage will help to distinguish *Entamoeba coli* from *Entamoeba histolytica. E. coli* cysts are larger and have more nuclei, and the central karyosome of the nucleus is large and usually eccentric (off-center). Mature *E. coli* cysts contain 8 nuclei, and may occasionally have as many as 16 or more. *E. histolytica* cysts contain a maximum of 4 nuclei, and the central karyosome in the nucleus of *E. histolytica* is small and usually centrally located.

Reference:
Healy, G. R. and L. S. Garcia. “Intestinal and Urogenital Protozoa.” *Manual of Clinical Microbiology.* Ed. P. R. Murray. Washington, D.C.: ASM, 1995. 1205-1215.

Specimen PA-3

Identification	***Labs***	***Percent***	***Performance***
No parasite seen	5	100%	Acceptable

Parasite present in specimen PA-3: No parasite seen.

Specimen PA-4

Identification	***Labs***	***Percent***	***Performance***
Giardia lamblia	4	66.67%	Acceptable
Cyptosporidium sp., oocysts	1	16.67%	Acceptable
Ascaris lumbricoides eggs	1	16.67%	

Parasites present in specimen PA-4: *Giardia lamblia* and *Cryptosporidium sp., oocysts.*

PARASITOLOGY

Specimen PA-5

Identification	***Labs***	***Percent***	***Performance***
Plasmodium sp., NOS	2	40%	Acceptable
Plasmodium malariae	1	20%	Acceptable
Plasmodium sp., not falciparun	1	20%	Acceptable
Pasmodium falciparum	1	20%	

Parasite present in specimen PA-5: *Plasmodium malariae*.

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