

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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2012 Evaluation Criteria

The evaluation criteria used in the 2012 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	C. Difficile Toxin/Antigen Detection	80% Consensus
Affirm VP III Trichomonas Ag Detection	80% Consensus	Dermatophyte Screen	80% Consensus
Chlamydia (EIA, DNA)	80% Consensus	Legionella Antigen Detection	80% Consensus
Cryptosporidium Antigen Detection	80% Consensus	Streptococcus pneumoniae Antigen Detection	80% Consensus
Giardia lamblia 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>
Negative for Group A Strep	162	88.52%	Acceptable
Staphylococcus aureus	11	6.01%	Acceptable
Neisseria sp.	1	0.55%	Acceptable
Normal flora	1	0.55%	Acceptable
Growth, referred for identification	1	0.55%	Acceptable

Organisms present in specimen TC-1: *Staphylococcus aureus* and *Neisseria sicca*.

Specimen TC-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive for Group A Strep	94	55.95%	Acceptable
Presump. Pos Group A Strep	68	40.48%	Acceptable
Streptococcus pyogenes	2	1.19%	Acceptable

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

Specimen TC-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for Group A Strep	91	93.81%	Acceptable
No growth (sterile)	3	3.09%	Acceptable
Normal flora	1	1.03%	Acceptable

Organism present in specimen TC-3: *Neisseria mucosa*.

Specimen TC-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive for Group A Strep	46	54.76%	Acceptable
Presump. Pos. Group A Strep	38	45.24%	Acceptable

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

Specimen TC-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive for Group A Strep	47	55.95%	Acceptable
Presump. Pos. Group A Strep	36	42.86%	Acceptable
Presumptive Streptococcus sp.	1	1.19%	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>
ALL METHODS	602	6	596
Abbott Signify Strep A-waived	4	-	4
BD Chek Strep A	3	-	3
BD Directigen EZ	3	-	3
Beckman Coulter ICON DS	9	-	9
Beckman Coulter ICON SC	3	-	3
Binax NOW Strep A	2	-	2
Cardinal Health Strep A - moderate	1	-	1
Cardinal Health Strep A - waived	20	-	20
Consult Diagnostic Strep A - Moderate	3	-	3
Consult Diagnostic Strep A Dipstick - Waived	64	1	63
Fisher HealthCare Sure-Vue	1	-	1
Fisher HealthCare Sure-Vue - waived	2	-	2
Genzyme OSOM	79	2	77
Genzyme OSOM Ultra Strep A	62	-	62
Henry Schein One Step+ - waived	29	-	29
Immunostics Detector Strep A Direct	12	-	12
Inverness Acceava Strep A Test	16	-	16
Inverness Signify Strep A Dipstick	3	-	3
McKesson Strep A Dipstick	38	-	38
Other Moderately Complex Method	1	-	1
Other Waived Method	10	-	10
Polymedco Poly Stat Strep A - moderate	1	-	1
Polymedco Poly Stat Strep A - waived	8	-	8
PSS Select Diag. Strep A Dipstick - waived	12	-	12
Quidel QuickVue Dipstick Strep	98	-	98
Quidel QuickVue In-Line	64	2	62
Quidel QuickVue+	39	1	38
Stanbio QuStick Strep A	6	-	6
Wampole Clearview	3	-	3

STREP A ANTIGEN DETECTION

Specimen RS-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	589	580	9
Abbott Signify Strep A-waived	4	4	-
BD Chek Strep A	3	3	-
BD Directigen EZ	3	3	-
Beckman Coulter ICON DS	9	9	-
Beckman Coulter ICON SC	3	3	-
Binax NOW Strep A	2	2	-
Cardinal Health Strep A - moderate	1	1	-
Cardinal Health Strep A - waived	20	20	-
Consult Diagnostic Strep A - Moderate	2	2	-
Consult Diagnostic Strep A Dipstick - Waived	63	62	1
Fisher HealthCare Sure-Vue	1	1	-
Fisher HealthCare Sure-Vue - waived	2	2	-
Genzyme OSOM	79	77	2
Genzyme OSOM Ultra Strep A	61	60	1
Henry Schein One Step+ - waived	29	29	-
Immunostics Detector Strep A Direct	12	12	-
Inverness Acceava Strep A Test	15	15	-
Inverness Signify Strep A Dipstick	3	3	-
McKesson Strep A Dipstick	37	37	-
Other Moderately Complex Method	1	1	-
Other Waived Method	10	10	-
Polymedco Poly Stat Strep A - moderate	1	1	-
Polymedco Poly Stat Strep A - waived	8	8	-
PSS Select Diag. Strep A Dipstick - waived	11	10	1
Quidel QuickVue Dipstick Strep	96	95	1
Quidel QuickVue In-Line	62	59	3
Quidel QuickVue+	36	36	-
Stanbio QuStick Strep A	6	6	-
Wampole Clearview	3	3	-

STREP A ANTIGEN DETECTION

Specimen RS-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	185	182	3
BD Chek Strep A	1	1	-
Beckman Coulter ICON DS	3	3	-
Binax NOW Strep A	2	2	-
Cardinal Health Strep A - moderate	1	1	-
Cardinal Health Strep A - waived	2	2	-
Consult Diagnostic Strep A - Moderate	1	1	-
Consult Diagnostic Strep A Dipstick - Waived	13	12	1
Genzyme OSOM	49	49	-
Genzyme OSOM Ultra Strep A	12	12	-
Henry Schein One Step+ - waived	4	4	-
Immunostics Detector Strep A Direct	1	1	-
Inverness Acceava Strep A Test	2	2	-
McKesson Strep A Dipstick	14	14	-
Other Moderately Complex Method	1	1	-
Other Waived Method	4	4	-
Polymedco Poly Stat Strep A - moderate	1	1	-
PSS Select Diag. Strep A Dipstick - waived	2	2	-
Quidel QuickVue Dipstick Strep	17	17	-
Quidel QuickVue In-Line	25	23	2
Quidel QuickVue+	26	26	-
Stanbio QuStick Strep A	2	2	-

STREP A ANTIGEN DETECTION**Specimen RS-4**

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	161	2	159
Beckman Coulter ICON DS	3	-	3
Binax NOW Strep A	2	-	2
Cardinal Health Strep A - moderate	1	-	1
Cardinal Health Strep A - waived	2	-	2
Consult Diagnostic Strep A - Moderate	1	-	1
Consult Diagnostic Strep A Dipstick - Waived	11	1	10
Genzyme OSOM	46	-	46
Genzyme OSOM Ultra Strep A	7	1	6
Henry Schein One Step+ - waived	3	-	3
Immunostics Detector Strep A Direct	1	-	1
Inverness Acceava Strep A Test	2	-	2
McKesson Strep A Dipstick	10	-	10
Other Moderately Complex Method	1	-	1
Other Waived Method	4	-	4
PSS Select Diag. Strep A Dipstick - waived	2	-	2
Quidel QuickVue Dipstick Strep	14	-	14
Quidel QuickVue In-Line	25	-	25
Quidel QuickVue+	23	-	23
Stanbio QuStick Strep A	2	-	2

Specimen RS-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	161	159	2
Beckman Coulter ICON DS	3	3	-
Binax NOW Strep A	2	2	-
Cardinal Health Strep A - moderate	1	1	-
Cardinal Health Strep A - waived	2	2	-
Consult Diagnostic Strep A - Moderate	1	1	-
Consult Diagnostic Strep A Dipstick - Waived	11	11	-
Genzyme OSOM	46	46	-
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	2	2	-
McKesson Strep A Dipstick	10	10	-
Other Moderately Complex Method	1	1	-
Other Waived Method	4	4	-
PSS Select Diag. Strep A Dipstick - waived	2	2	-
Quidel QuickVue Dipstick Strep	14	14	-
Quidel QuickVue In-Line	25	24	1
Quidel QuickVue+	23	22	1
Stanbio QuStick Strep A	2	2	-

GENERAL BACTERIOLOGY

Specimen BA-1 – Blood Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Staph – coagulase negative	4	57.14%	Acceptable
Staphylococcus epidermidis	3	42.86%	Acceptable

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

Specimen BA-2 – Respiratory Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Streptococcus pneumoniae	5	71.43%	Ungraded

Organisms present in specimen BA-2: *Streptococcus pneumoniae* and *Streptococcus viridans*. This is an ungraded challenge due to less than 80% consensus.

Specimen BA-3 – Wound Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Proteus vulgaris	7	77.78%	Acceptable
Staphylococcus epidermidis	1	11.11%	Acceptable

Organisms present in specimen BA-3: *Proteus vulgaris* and *Staphylococcus epidermidis*.

METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS SCREEN

Specimen MSA-1

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

Organisms present in specimen MSA-1: *Staphylococcus aureus* and *Staphylococcus epidermidis*.

Specimen MSA-2

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

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

Specimen MSA-3

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

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

Specimen MSA-4

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

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

Specimen MSA-5

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

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

URINE CULTURE

Specimen UC-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Klebsiella pneumoniae	38	43.18%	Acceptable
Growth, referred for identification	23	26.14%	Acceptable
Klebsiella sp.	9	10.23%	Acceptable
Gram negative bacilli	7	7.95%	Acceptable
Presump. Gram negative	5	5.68%	Acceptable
Presump. Klebsiella sp.	4	4.55%	Acceptable

Gram Stain

Gram negative	38	100%	Acceptable
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Gram Stain Morphology

Rods/bacilli	37	100%	Acceptable
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Organism present in specimen UC-1: *Klebsiella pneumoniae*.

Specimen UC-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Growth, referred for identification	29	35.80%	Acceptable
Enterococcus sp.	26	32.10%	Acceptable
Gram positive cocci	8	9.88%	Acceptable
Enterococcus (Strep) faecalis	6	7.41%	Acceptable
Presump. Gram positive	4	4.94%	Acceptable
Presump. Enterococcus sp.	2	2.47%	Acceptable
Presumptive Streptococcus sp.	2	2.47%	Acceptable

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

Specimen UC-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Proteus mirabilis	19	33.93%	Acceptable
Growth, referred for identification	19	33.93%	Acceptable
Presump. Gram negative	5	8.93%	Acceptable
Gram negative bacilli	4	7.14%	Acceptable
Proteus sp.	4	7.14%	Acceptable
Presump. Proteus sp.	3	5.36%	Acceptable

Organism present in specimen UC-3: *Proteus mirabilis*.

URINE CULTURE

Specimen UC-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Staphylococcus aureus	10	40%	Acceptable
Growth, referred for identification	9	36%	Acceptable
Presump. Gram positive	3	12%	Acceptable
Presump. Staphylococcus sp.	1	4%	Acceptable
Gram positive cocci	1	4%	Acceptable

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

Specimen UC-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Growth, referred for identification	9	36%	Acceptable
Staphylococcus saprophyticus	4	16%	Acceptable
Staph – coagulase negative	3	12%	Acceptable
Presump. Gram positive	3	12%	Acceptable
Presump. Staphylococcus sp.	2	8%	Acceptable
Gram positive cocci	2	8%	Acceptable
Staphylococcus sp.	1	4%	Acceptable

Organisms present in specimen UC-5: *Staphylococcus saprophyticus* and *Lactobacillus* species.

ANTIMICROBIAL SUSCEPTIBILITY TESTING

Specimen UC-1, CC-1 (SUS-1) The organism present is: *Klebsiella pneumoniae*

<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	-	-	-	-	6	6	-	-	100.00%
Amoxicillin/Clavulanate	10	10	-	-	6	5	-	1	95.65%
Ampicillin	36	-	-	36	13	-	-	13	100.00%
Ampicillin/Sulbactam	-	-	-	-	6	6	-	-	100.00%
Aztreonam	-	-	-	-	3	3	-	-	Not graded ¹
Carbenicillin	12	-	-	12	-	-	-	-	Inappropriate drug ²
Cefaclor	1	1	-	-	-	-	-	-	Not graded ¹
Cefamandole	1	1	-	-	-	-	-	-	Not graded ¹
Cefazolin	2	2	-	-	9	9	-	-	100.00%
Cefepime	-	-	-	-	5	5	-	-	100.00%
Cefixime	3	3	-	-	-	-	-	-	100.00%
Cefotaxime	-	-	-	-	3	3	-	-	Not graded ¹
Cefotetan	-	-	-	-	1	1	-	-	Not graded ¹
Cefoxitin	-	-	-	-	5	5	-	-	100.00%
Cefpodoxime	1	1	-	-	-	-	-	-	Not graded ¹
Ceftazidime	3	3	-	-	5	5	-	-	100.00%
Ceftriaxone	8	8	-	-	7	7	-	-	100.00%
Cefuroxime	6	5	1	-	4	4	-	-	92.86%
Cephalexin	2	2	-	-	-	-	-	-	Not graded ¹
Cephalothin	31	29	-	2	6	5	1	-	93.18%
Ciprofloxacin	38	37	-	1	14	14	-	-	96.92%
Doxycycline	3	3	-	-	1	-	1	-	Not graded ¹
Ertapenem	-	-	-	-	3	3	-	-	Not graded ¹
Gatifloxacin	-	-	-	-	2	2	-	-	Not graded ¹
Gentamicin	22	22	-	-	9	9	-	-	100.00%
Imipenem	-	-	-	-	5	5	-	-	100.00%
Levofloxacin	13	13	-	-	10	10	-	-	100.00%
Lomefloxacin	1	1	-	-	-	-	-	-	Not graded ¹
Meropenem	-	-	-	-	1	1	-	-	Not graded ¹
Nalidixic Acid	3	3	-	-	-	-	-	-	Not graded ¹
Nitrofurantoin	40	30	7	3	14	10	4	-	95.65%
Norfloxacin	10	10	-	-	2	2	-	-	100.00%
Ofloxacin	-	-	-	-	1	1	-	-	Not graded ¹
Piperacillin	-	-	-	-	2	1	-	1	Not graded ¹
Piperacillin/Tazobactam	1	1	-	-	4	4	-	-	100.00%
Sulfisoxazole	6	6	-	-	-	-	-	-	100.00%
Tetracycline	8	8	-	-	6	6	-	-	95.83%
Ticarcillin/Clavulanate	-	-	-	-	1	1	-	-	Not graded ¹
Tigecycline	-	-	-	-	2	2	-	-	Inappropriate drug ²
Tobramycin	3	3	-	-	6	6	-	-	100.00%
Trimethoprim	7	7	-	-	2	2	-	-	100.00%
Trimethoprim/Sulfamethoxazole	39	38	-	1	15	15	-	-	98.53%

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 lack of comparison group.

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>
Neisseria gonorrhoeae	15	42.86%	Acceptable
Presumptive for N. gonorrhoeae	15	42.86%	Acceptable
Growth, referred for identification	3	8.57%	Acceptable
Gram negative diplococci	1	2.86%	Acceptable

Gram Stain

Gram negative	26	100%	Acceptable
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Gram Stain Morphology

Diplococci	26	92.86%	Acceptable
Cocci	1	3.57%	
Coccobacilli	1	3.57%	

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

Specimen GC-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for N. gonorrhoeae	9	60.00%	Acceptable
No growth (sterile)	5	33.33%	Acceptable

Organisms present in specimen GC-2: *Gardnerella vaginalis* and *Lactobacillus casei*.

Specimen GC-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presumptive for N. gonorrhoeae	12	85.71%	Acceptable
Neisseria gonorrhoeae	2	14.29%	Acceptable

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

GENITAL CULTURE

Specimen GC-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for N. gonorrhoeae	8	57.14%	Acceptable
No growth (sterile)	6	42.86%	Acceptable

Organism present in specimen GC-4: *Streptococcus agalactiae*.

Specimen GC-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presumptive for N. gonorrhoeae	11	78.57%	Acceptable
Neisseria gonorrhoeae	3	21.43%	Acceptable

Organism present in specimen GC-5: *Neisseria gonorrhoeae*.

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	89	2	8	52	27
Bacturcult	3	-	-	1	2
Bulls Eye	4	-	-	1	3
Calibrated Loop	27	-	2	21	4
HealthLink	1	-	-	1	-
Uri-Check	9	-	1	5	3
Uri-Three	1	-	-	1	-
Uricult	41	2	5	20	14

Identification–Specimen CC-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram negative	11	42.31%	Acceptable
Growth, referred for identification	8	30.77%	Acceptable
Presump. Klebsiella sp.	4	15.38%	Acceptable
Klebsiella pneumoniae	2	7.69%	Acceptable

Gram Stain

Gram negative	5	100%	Acceptable
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Gram Stain Morphology

Robs/bacilli	5	100%	Acceptable
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Organism present in specimen CC-1: 50,000-75,000 CFU/mL of *Klebsiella pneumoniae*.

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	88	-	-	20	68
Bacturcult	3	-	-	1	2
Bulls Eye	4	-	-	1	3
Calibrated Loop	27	-	-	4	23
HealthLink	1	-	-	-	1
Uri-Check	9	-	-	1	8
Uri-Three	1	-	-	1	-
Uricult	40	-	-	10	30

Identification—Specimen CC-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram positive	10	38.46%	Acceptable
Growth, referred for identification	8	30.77%	Acceptable
Presump. Enterococcus sp.	2	7.69%	Acceptable
Enterococcus (Strep) faecalis	2	7.69%	Acceptable
Enterococcus sp.	1	3.85%	Acceptable

Organisms present in specimen CC-2: >100,000 CFU/mL of *Enterococcus (Strep) faecalis* and <10,000 CFU/mL of *Lactobacillus* species.

COLONY COUNT/PRESUMPTIVE IDENTIFICATION

Identification–Specimen CC-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram negative	6	27.27%	Acceptable
Proteus mirabilis	3	13.64%	Acceptable
Presump. Proteus sp.	3	13.64%	Acceptable
Growth, referred for identification	2	9.09%	Acceptable

Organism present in specimen CC-3: 50,000-75,000 CFU/mL of *Proteus mirabilis*. This challenge was graded by 91% referee consensus.

Identification–Specimen CC-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram positive	9	42.86%	Acceptable
Growth, referred for identification	6	28.57%	Acceptable
Staphylococcus aureus	4	19.05%	Acceptable
Presump. Staphylococcus sp.	1	4.76%	Acceptable

Organism present in specimen CC-4: >100,000 CFU/mL of *Staphylococcus aureus*.

Identification–Specimen CC-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram positive	9	42.86%	Acceptable
Growth, referred for identification	6	28.57%	Acceptable
Staphylococcus saprophyticus	3	14.29%	Acceptable
Staph – coagulase negative	1	4.76%	Acceptable
Presump. Staphylococcus sp.	1	4.76%	Acceptable

Organisms present in specimen CC-5: >100,000 CFU/mL of *Staphylococcus saprophyticus* and <10,000 CFU/mL of *Lactobacillus* species.

DERMATOPHYTE SCREEN

Specimen DM-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Dermatophyte present	18	64.29%	Acceptable
Dermatophyte absent	10	35.71%	

Organism present in specimen DM-1: *Trichophyton rubrum*. This challenge was graded by 80% referee consensus.

This specimen contains the dermatophyte *Trichophyton rubrum*. Dermatophytes are a group of fungi that infect the hair, skin and nails. These infections are most often caused by the genera *Trichophyton*, *Microsporum* and *Epidermophyton*. Special media, such as Dermatophyte Test Medium (DTM) are commonly used to presumptively identify dermatophytes. Presumptive identification is based on gross morphology of the colony and color change in the medium around the colony. *Trichophyton rubrum* is a slow grower, and may be missed if the media is not held long enough for the color change to develop. Consult your manufacturer's package insert for length of incubation, interpretation of results, and limitations of the test.

Reference:

Hardy Diagnostics Bacti-Lab Skin Culture Systems

https://catalog.hardydiagnostics.com/cp_prod/content/hugo/BactiLabSkinCultureSystems.pdf

Specimen DM-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Dermatophyte present	24	85.71%	Acceptable
Dermatophyte absent	4	14.29%	

Organism present in specimen DM-2: *Microsporum canis*.

GRAM STAIN

Specimen GS-1

<u>Reaction</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram negative	28	100%	Acceptable

Gram Stain Morphology

Rods/bacilli	23	92%	Acceptable
Coccobacilli	2	8%	

Organism present in specimen GS-1: *Pseudomonas aeruginosa*.

Specimen GS-2

<u>Reaction</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram negative	28	100%	Acceptable

Gram Stain Morphology

Rods/bacilli	23	92%	Acceptable
Coccobacilli	2	8%	

Organism present in specimen GS-2: *Proteus vulgaris*.

GRAM STAIN

Specimen GS-3

<u>Reaction</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram positive	28	100%	Acceptable

Gram Stain Morphology

Cocci	21	84%	Acceptable
Diplococci	4	16%	

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

Specimen GS-4

<u>Reaction</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram positive	28	100%	Acceptable

Gram Stain Morphology

Cocci	24	96%	Acceptable
Diplococci	1	4%	

Organism present in specimen GS-4: *Streptococcus agalactiae* (group B).

Specimen GS-5

<u>Reaction</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram positive	27	96.43%	Acceptable
Gram negative	1	3.57%	

Gram Stain Morphology

Cocci	19	79.17%	Acceptable
Diplococci	5	20.83%	

The Gram Stain Morphology was graded by 83% referee consensus.

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>
Positive	33	100%	Acceptable

Organism present in specimen VP-1: *Trichomonas vaginalis*

Specimen VP-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	33	100%	Acceptable

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

Specimen VP-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	33	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>
Negative	33	100%	Acceptable

Organism present in specimen VP-4: *Escherichia coli*.

Specimen VP-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	33	100%	Acceptable

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

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

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	32	96.97%	Acceptable
Positive	1	30.03	

Specimen VP-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	33	100%	Acceptable

Specimen VP-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	33	100%	Acceptable

Specimen VP-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	33	100%	Acceptable

Specimen VP-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	33	100%	Acceptable

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

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	33	100%	Acceptable

Specimen VP-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	32	96.97%	Acceptable
Negative	1	3.03%	

AFFIRM VP III–Candida sp.

Specimen VP-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	33	100%	Acceptable

Specimen VP-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	33	100%	Acceptable

Specimen VP-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	33	100%	Acceptable

CHLAMYDIA (ANTIGEN DETECTION)

Specimen CY-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	17	1	16
BD ProbeTec	7	-	7
Gen-Probe	2	-	2
Gen-Probe APTIMA	2	1	1
Quidel QuickVue	6	-	6

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

Specimen CY-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	17	17	-
BD ProbeTec	7	7	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	2	2	-
Quidel QuickVue	6	6	-

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

CHLAMYDIA (ANTIGEN DETECTION)

Specimen CY-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	16	-	16
BD ProbeTec	7	-	7
Gen-Probe	2	-	2
Gen-Probe APTIMA	2	-	2
Quidel QuickVue	5	-	5

Organism present in specimen CY-3: *Neisseria gonorrhoeae*.

Specimen CY-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	16	16	-
BD ProbeTec	7	7	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	2	2	-
Quidel QuickVue	5	5	-

Organisms present in specimen CY-4: *Chlamydia trachomatis* and *Neisseria gonorrhoeae*.

Specimen CY-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	16	16	-
BD ProbeTec	7	7	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	2	2	-
Quidel QuickVue	5	5	-

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

GC (ANTIGEN DETECTION)

Specimen CY-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	11	11	-
BD ProbeTec	6	6	-
Binax NOW	1	1	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	2	2	-

Specimen CY-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	11	-	11
BD ProbeTec	6	-	6
Binax NOW	1	-	1
Gen-Probe	2	-	2
Gen-Probe APTIMA	2	-	2

Specimen CY-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	11	11	-
BD ProbeTec	6	6	-
Binax NOW	1	1	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	2	2	-

Specimen CY-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	11	11	-
BD ProbeTec	6	6	-
Binax NOW	1	1	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	2	2	-

Specimen CY-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	11	-	11
BD ProbeTec	6	-	6
Binax NOW	1	-	1
Gen-Probe	2	-	2
Gen-Probe APTIMA	2	-	2

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: *Cryptosporidium*.

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	-

Antigens present in specimen LC-2: *Cryptosporidium* and *Giardia lamblia*.

Specimen LC-3

<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-3: *Giardia lamblia*.

Specimen LC-4

<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-4: *Cryptosporidium*.

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

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

GIARDIA LAMBLIA ANTIGEN DETECTION

Specimen LC-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	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	51	51	-
Binax NOW - waived	39	39	-
Quidel QuickVue RSV - waived	8	8	-
Quidel QuickVue RSV 10 Test	2	2	-
Remel Xpect - waived	1	1	-
Wampole Clearview RSV - waived	1	1	-

Antigen present in specimen V-1: RSV.

Specimen V-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	51	-	51
Binax NOW - waived	39	-	39
Quidel QuickVue RSV - waived	8	-	8
Quidel QuickVue RSV 10 Test	2	-	2
Remel Xpect - waived	1	-	1
Wampole Clearview RSV - waived	1	-	1

Antigen present in specimen V-2: Influenza A.

Specimen V-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	13	-	13
Binax NOW - waived	8	-	8
Quidel QuickVue RSV - waived	3	-	3
Quidel QuickVue RSV 10 Test	1	-	1
Remel Xpect - waived	1	-	1

Antigen present in specimen V-3: Influenza B.

Specimen V-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	13	-	13
Binax NOW - waived	8	-	8
Quidel QuickVue RSV - waived	3	-	3
Quidel QuickVue RSV 10 Test	1	-	1
Remel Xpect - waived	1	-	1

Antigen present in specimen V-4: Influenza A.

RSV ANTIGEN DETECTION

Specimen V-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	13	13	-
Binax NOW - waived	8	8	-
Quidel QuickVue RSV - waived	3	3	-
Quidel QuickVue RSV 10 Test	1	1	-
Remel Xpect - waived	1	1	-

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	56	-	56
Quidel QuickVue Influenza	44	-	44

Antigen present in specimen V-1: RSV.

Specimen V-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	54	54	-
Quidel QuickVue Influenza	44	44	-

Antigen present in specimen V-2: Influenza A.

Specimen V-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	18	18	-
Quidel QuickVue Influenza	17	17	-

Antigen present in specimen V-3: Influenza B.

Specimen V-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	18	18	-
Quidel QuickVue Influenza	17	17	-

Antigen present in specimen V-5: Influenza A.

INFLUENZA A/B ANTIGEN DETECTION

Specimen V-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	19	-	19
Quidel QuickVue Influenza	17	-	17

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	230	1	229
BD Directigen	1	-	1
Binax NOW - waived	117	1	116
Genzyme OSOM Influenza A&B	47	-	47
Quidel QuickVue Influenza A+B	50	-	50
Remel Xpect	4	-	4

Antigen present in specimen V-1: RSV.

Specimen V-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	232	228	4
BD Directigen	1	1	-
Binax NOW - waived	117	115	2
Genzyme OSOM Influenza A&B	47	46	1
Quidel QuickVue Influenza A+B	51	50	1
Remel Xpect	4	4	-

Antigen present in specimen V-2: Influenza A.

Specimen V-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	80	1	79
BD Directigen	1	-	1
Binax NOW - waived	23	-	23
Genzyme OSOM Influenza A&B	44	1	43
Quidel QuickVue Influenza A+B	5	-	5
Remel Xpect	4	-	4

Antigen present in specimen V-3: Influenza B.

INFLUENZA A ANTIGEN DETECTION

Specimen V-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	81	80	1
BD Directigen	1	1	-
Binax NOW - waived	23	23	-
Genzyme OSOM Influenza A&B	44	43	1
Quidel QuickVue Influenza A+B	5	5	-
Remel Xpect	4	4	-

Antigen present in specimen V-4: Influenza A.

Specimen V-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	80	-	80
BD Directigen	1	-	1
Binax NOW - waived	23	-	23
Genzyme OSOM Influenza A&B	44	-	44
Quidel QuickVue Influenza A+B	5	-	5
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	229	1	228
BD Directigen	1	-	1
Binax NOW - waived	115	1	114
BioStar Flu OIA A/B	1	-	1
Genzyme OSOM Influenza A&B	46	-	46
Quidel QuickVue Influenza A+B	45	-	45
Remel Xpect	4	-	4

Antigen present in specimen V-1: RSV.

INFLUENZA B ANTIGEN DETECTION

Specimen V-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	230	5	225
BD Directigen	1	-	1
Binax NOW - waived	115	3	112
BioStar Flu OIA A/B	1	-	1
Genzyme OSOM Influenza A&B	46	1	45
Quidel QuickVue Influenza A+B	46	1	45
Remel Xpect	4	-	4

Antigen present in specimen V-2: Influenza A.

Specimen V-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	81	75	6
BD Directigen	1	1	-
Binax NOW - waived	21	20	1
BioStar Flu OIA A/B	1	1	-
Genzyme OSOM Influenza A&B	43	40	3
Quidel QuickVue Influenza A+B	5	4	1
Remel Xpect	4	4	-

Antigen present in specimen V-3: Influenza B.

Specimen V-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	80	2	78
BD Directigen	1	-	1
Binax NOW - waived	21	-	21
BioStar Flu OIA A/B	1	-	1
Genzyme OSOM Influenza A&B	43	2	41
Quidel QuickVue Influenza A+B	5	-	5
Remel Xpect	4	-	4

Antigen present in specimen V-4: Influenza A.

Specimen V-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	80	-	80
BD Directigen	1	-	1
Binax NOW - waived	21	-	21
BioStar Flu OIA A/B	1	-	1
Genzyme OSOM Influenza A&B	43	-	43
Quidel QuickVue Influenza A+B	5	-	5
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	50	50	-

Specimen L-1: Positive for Legionella antigen.

Specimen L-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	50	-	50

Specimen L-2: Negative for Legionella antigen.

Specimen L-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	50	-	50

Specimen L-3: Negative for Legionella antigen.

Specimen L-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	50	50	-

Specimen L-4: Positive for Legionella antigen.

Specimen L-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	50	50	-

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	14	14	-
Meridian ImmunoCard	3	3	-
Remel Xpect	1	1	-
Wampole C. diff Quik Chek	8	8	-

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

Specimen AG-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	14	14	-
Meridian ImmunoCard	3	3	-
Remel Xpect	1	1	-
Wampole C. diff Quik Chek	8	8	-

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

Specimen AG-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	14	-	14
Meridian ImmunoCard	3	-	3
Remel Xpect	1	-	1
Wampole C. diff Quik Chek	8	-	8

Antigen present in specimen AG-3: Rotavirus.

Specimen AG-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	14	-	14
Meridian ImmunoCard	3	-	3
Remel Xpect	1	-	1
Wampole C. diff Quik Chek	8	-	8

Antigen present in specimen AG-4: Rotavirus.

CLOSTRIDIUM DIFFICILE TOXIN ANTIGEN DETECTION

Specimen AG-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	14	13	1
Meridian ImmunoCard	3	3	-
Remel Xpect	1	1	-
Wampole C. diff Quik Chek	8	7	1

Antigens 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	9	9	-
bioMerieux Vidas, Mini Vidas	3	3	-
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	9	-	9
bioMerieux Vidas, Mini Vidas	3	-	3
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	9	9	-
bioMerieux Vidas, Mini Vidas	3	3	-
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	9	9	-
bioMerieux Vidas, Mini Vidas	3	3	-
Fisher HealthCare Sure-Vue	1	1	-
Meridian ImmunoCard	3	3	-
Remel Xpect	1	1	-

ROTAVIRUS ANTIGEN DETECTION

Specimen AG-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	9	-	9
bioMerieux Vidas, Mini Vidas	3	-	3
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	52	-	52

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	51	51	-

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

Specimen SP-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	51	-	51

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

Specimen SP-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	52	-	52

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

Specimen SP-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	52	52	-

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

PARASITOLOGY

Specimen PA-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Giardia lamblia	1	100%	Acceptable

Parasite present in specimen PA-1: *Giardia lamblia*.

Specimen PA-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Entamoeba histolytica	1	100%	Acceptable

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

Specimen PA-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Diphyllobothrium latum	1	100%	Acceptable

Parasite present in specimen PA-3: *Diphyllobothrium latum*.

Specimen PA-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
No parasite seen	1	100%	Acceptable

Parasite present in specimen PA-4: No parasite present.

Specimen PA-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Plasmodium falciparum	1	100%	Acceptable

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

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