

MEDICAL LABORATORY EVALUATION

PARTICIPANT SUMMARY

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

Microbiology
MLE – M3

Table of Contents

2007 Evaluation Criteria 2

Microbiology

Throat Culture	3	Cryptosporidium Antigen Detection	25
Strep A Antigen Detection.....	4	Giardia lamblia Antigen Detection.....	26
General Bacteriology	8	RSV Antigen Detection.....	27
Urine Culture	10	Influenza A/B Antigen Detection.....	29
Gram Stain.....	10	Influenza A Antigen Detection	30
Antimicrobial Susceptibility Testing	12	Influenza B Antigen Detection	32
GC Culture	14	Legionella Antigen Detection.....	33
Gram Stain.....	14	Clostridium Difficile Toxin Antigen Detection	34
Colony Count	16	Rotavirus Antigen Detection.....	36
Gram Stain.....	16	Streptococcus pneumoniae Antigen Detection	37
Dermatophyte Screen	18	Parasitology	38
Gram Stain.....	19		
Affirm VP III			
Trichomonas vaginalis.....	20		
Gardnerella vaginalis	21		
Candida sp.	22		
Chlamydia (Antigen Detection).....	23		
GC (Antigen Detection).....	24		

2007 Evaluation Criteria

The evaluation criteria used in the 2007 MLE Program is in accordance with the Clinical Laboratory Improvement Amendments of 1988 (CLIA '88) federal requirements for proficiency testing. The criteria are included below.

Qualitative

For qualitative procedures, evaluation is based on participant or referee consensus. If participant consensus is not reached, CMS requirements call for grading by referee consensus. A minimum percentage of participants or referee laboratories must receive a passing score or the challenge is not evaluated due to lack of consensus. These percentages are listed below.

Bacterial Identification	80% Consensus	Rotavirus Antigen Detection	80% Consensus
Urine Presumptive Identification	80% Consensus	RSV Antigen Detection	80% Consensus
Colony Count	80% Consensus	GC (EIA, DNA)	80% Consensus
Parasite Identification	80% Consensus	Antimicrobial Susceptibility Testing	80% Consensus
Strep A Antigen Detection	80% Consensus	Gram Stain	80% Consensus
Affirm VP III Gardnerella Ag Detection	80% Consensus	Gram Stain Morphology	Not Graded
Affirm VP III Candida Antigen Detection	80% Consensus	Beta-lactamase Testing	Not Graded
Affirm VP III Trichomonas Ag Detection	80% Consensus	C. Difficile Toxin/Antigen Detection	80% Consensus
Chlamydia (EIA, DNA)	80% Consensus	Dermatophyte Screen	80% Consensus
Cryptosporidium Antigen Detection	80% Consensus	Legionella Antigen Detection	80% Consensus
Giardia lamblia Antigen Detection	80% Consensus	Streptococcus pneumoniae Antigen Detection	80% Consensus
Influenza A/B Antigen Detection	80% Consensus		
Influenza A Antigen Detection	80% Consensus		
Influenza B Antigen Detection	80% Consensus		

THROAT CULTURE

Specimen TC-11

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for Group A Strep	195	89.86%	Acceptable
Gram positive cocci	2	0.92%	Acceptable
Staphylococcus epidermidis	1	0.46%	Acceptable

Organisms present in specimen TC-11: *Neisseria sicca* and *Staphylococcus epidermidis*.

Specimen TC-12

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive for Group A Strep	114	53.52%	Acceptable
Presump. Pos. Group A Strep	90	42.25%	Acceptable
Streptococcus pyogenes	5	2.35%	Acceptable

Organism present in specimen TC-12: *Streptococcus pyogenes*.

Specimen TC-13

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Pos. Group A Strep	46	48.42%	Acceptable
Positive for Group A Strep	43	45.26%	Acceptable

Organisms present in specimen TC-13: *Streptococcus pyogenes* and *Neisseria mucosa*.

Specimen TC-14

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for Group A Strep	79	90.80%	Acceptable

Organism present in specimen TC-14: *Haemophilus influenzae*.

Specimen TC-15

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for Group A Strep	83	95.40%	Acceptable

Organisms present in specimen TC-15: *Staphylococcus aureus* and *Corynebacterium species*.

STREP A ANTIGEN DETECTION

Specimen RS-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>	<u>Strength of Reaction</u>		
				<u>Strong</u>	<u>Moderate</u>	<u>Weak</u>
ALL METHODS	664	647	17	453	132	14
Abbott Signify Strep A-waived	28	28	-	16	9	-
Acon Laboratories	1	1	-	-	1	-
Applied Biotech Signify	5	4	1	-	2	-
BD Directigen	5	5	-	2	2	-
BD Directigen EZ	5	5	-	5	-	-
BD QTest	2	2	-	1	1	-
Beckman Coulter ICON DS	13	13	-	13	-	-
Beckman Coulter ICON SC	5	4	1	3	1	-
Binax NOW Strep A	3	3	-	1	1	-
BioStar Aceava Strep A Test	49	48	1	23	20	1
BioStar OIA	1	1	-	1	-	-
BioStar Strep A MAX OIA	20	20	-	14	3	1
Cardinal Health Strep A - moderate	5	5	-	4	1	-
Cardinal Health Strep A - waived	24	24	-	14	7	-
Fisher HealthCare Sure-Vue	4	4	-	2	1	-
Fisher HealthCare Sure-Vue - waived	3	3	-	1	1	-
Genzyme OSOM	34	34	-	25	5	-
Genzyme OSOM Ultra Strep A	69	69	-	53	11	-
Henry Schein One Step	8	8	-	3	3	1
Instant Technologies i Strep	6	6	-	4	2	-
Inverness Signify Strep A Dipstick	18	18	-	9	6	1
LifeSign Status Strep A	1	1	-	1	-	-
Mainline Confirms	2	2	-	-	2	-
Mainline Confirms Strep A Dots	1	-	1	-	-	-
McKesson Strep A Cassette	8	8	-	4	4	-
McKesson Strep A Dipstick	11	11	-	2	6	2
Polymedco Poly Stat Strep A - moderate	6	6	-	4	2	-
Polymedco Poly Stat Strep A - waived	19	18	1	7	8	2
Quidel QuickVue Dipstick Strep	92	92	-	75	11	-
Quidel QuickVue In-Line	69	59	10	47	8	5
Quidel QuickVue+	104	104	-	89	10	1
Stanbio QuStick Strep A	2	2	-	1	-	-
Wampole Clearview	2	-	2	-	-	-

STREP A ANTIGEN DETECTION

Specimen RS-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	643	6	637
Abbott Signify Strep A-waived	28	-	28
Acon Laboratories	1	-	1
Applied Biotech Signify	4	-	4
BD Directigen	5	-	5
BD Directigen EZ	5	-	5
BD QTest	2	-	2
Beckman Coulter ICON DS	13	-	13
Beckman Coulter ICON SC	5	1	4
Binax NOW Strep A	3	-	3
BioStar Aceava Strep A Test	47	1	46
BioStar OIA	1	-	1
BioStar Strep A MAX OIA	20	-	20
Cardinal Health Strep A - moderate	5	-	5
Cardinal Health Strep A - waived	24	-	24
Fisher HealthCare Sure-Vue	2	-	2
Fisher HealthCare Sure-Vue - waived	2	-	2
Genzyme OSOM	33	-	33
Genzyme OSOM Ultra Strep A	68	1	67
Henry Schein One Step	7	-	7
Instant Technologies i Strep	6	-	6
Inverness Signify Strep A Dipstick	17	-	17
LifeSign Status Strep A	1	-	1
Mainline Confirms Strep A Dots	1	-	1
McKesson Strep A Cassette	8	-	8
McKesson Strep A Dipstick	11	-	11
Polymedco Poly Stat Strep A - moderate	6	-	6
Polymedco Poly Stat Strep A - waived	19	1	18
Quidel QuickVue Dipstick Strep	91	1	90
Quidel QuickVue In-Line	68	-	68
Quidel QuickVue+	100	-	100
Stanbio QuStick Strep A	2	-	2
Wampole Clearview	2	-	2

STREP A ANTIGEN DETECTION

Specimen RS-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>	<u>Strength of Reaction</u>		
				<u>Strong</u>	<u>Moderate</u>	<u>Weak</u>
ALL METHODS	356	351	5	243	70	14
Abbott Signify Strep A-waived	9	9	-	5	2	1
Acon Laboratories	1	1	-	1	-	-
Applied Biotech Signify	4	4	-	1	-	-
BD Directigen	5	5	-	2	2	-
BD Directigen EZ	5	5	-	5	-	-
BD QTest	2	2	-	2	-	-
Beckman Coulter ICON DS	11	11	-	10	1	-
Beckman Coulter ICON SC	3	3	-	2	1	-
Binax NOW Strep A	3	3	-	1	1	-
BioStar Aceava Strep A Test	15	14	1	8	4	1
BioStar OIA	1	1	-	1	-	-
BioStar Strep A MAX OIA	20	20	-	16	2	-
Cardinal Health Strep A - moderate	5	5	-	5	-	-
Cardinal Health Strep A - waived	9	9	-	6	2	-
Fisher HealthCare Sure-Vue	1	1	-	-	1	-
Fisher HealthCare Sure-Vue - waived	1	1	-	-	-	-
Genzyme OSOM	17	17	-	13	3	-
Genzyme OSOM Ultra Strep A	35	35	-	22	11	-
Henry Schein One Step	2	2	-	1	1	-
Instant Technologies i Strep	3	3	-	3	-	-
Inverness Signify Strep A Dipstick	5	5	-	3	1	1
Mainline Confirms Strep A Dots	1	-	1	-	-	-
McKesson Strep A Cassette	6	6	-	4	1	1
McKesson Strep A Dipstick	7	7	-	3	4	-
Polymedco Poly Stat Strep A - moderate	6	6	-	5	1	-
Polymedco Poly Stat Strep A - waived	4	4	-	2	1	-
Quidel QuickVue Dipstick Strep	26	26	-	17	8	-
Quidel QuickVue In-Line	31	29	2	16	6	7
Quidel QuickVue+	97	96	1	76	14	1
Stanbio QuStick Strep A	2	2	-	1	-	-

STREP A ANTIGEN DETECTION

Specimen RS-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	298	2	296
Abbott Signify Strep A-waived	9	-	9
Applied Biotech Signify	4	1	3
BD Directigen	5	-	5
BD Directigen EZ	5	-	5
BD QTest	1	-	1
Beckman Coulter ICON DS	11	-	11
Beckman Coulter ICON SC	3	-	3
Binax NOW Strep A	2	-	2
BioStar Aceava Strep A Test	14	-	14
BioStar OIA	1	-	1
BioStar Strep A MAX OIA	20	1	19
Cardinal Health Strep A - moderate	5	-	5
Cardinal Health Strep A - waived	8	-	8
Fisher HealthCare Sure-Vue	1	-	1
Fisher HealthCare Sure-Vue - waived	1	-	1
Genzyme OSOM	14	-	14
Genzyme OSOM Ultra Strep A	28	-	28
Henry Schein One Step	2	-	2
Instant Technologies i Strep	1	-	1
Inverness Signify Strep A Dipstick	5	-	5
Mainline Confirms Strep A Dots	1	-	1
McKesson Strep A Cassette	5	-	5
McKesson Strep A Dipstick	7	-	7
Polymedco Poly Stat Strep A - moderate	5	-	5
Polymedco Poly Stat Strep A - waived	2	-	2
Quidel QuickVue Dipstick Strep	16	-	16
Quidel QuickVue In-Line	26	-	26
Quidel QuickVue+	81	-	81
Stanbio QuStick Strep A	2	-	2

STREP A ANTIGEN DETECTION

Specimen RS-15

<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	297	287	10	206	53	10
Abbott Signify Strep A-waived	9	9	-	3	5	-
Applied Biotech Signify	4	2	2	-	1	-
BD Directigen	5	5	-	1	3	-
BD Directigen EZ	5	5	-	5	-	-
BD QTest	1	1	-	1	-	-
Beckman Coulter ICON DS	11	11	-	6	5	-
Beckman Coulter ICON SC	3	3	-	2	1	-
Binax NOW Strep A	2	2	-	1	1	-
BioStar Aceava Strep A Test	14	14	-	7	4	2
BioStar OIA	1	1	-	1	-	-
BioStar Strep A MAX OIA	19	19	-	16	1	-
Cardinal Health Strep A - moderate	5	5	-	4	1	-
Cardinal Health Strep A - waived	8	8	-	5	2	-
Fisher HealthCare Sure-Vue	1	1	-	-	-	1
Fisher HealthCare Sure-Vue - waived	1	1	-	-	-	-
Genzyme OSOM	14	14	-	11	2	-
Genzyme OSOM Ultra Strep A	28	27	1	22	3	-
Henry Schein One Step	2	2	-	1	1	-
Instant Technologies i Strep	1	1	-	1	-	-
Inverness Signify Strep A Dipstick	5	5	-	3	1	1
Mainline Confirms Strep A Dots	1	-	1	-	-	-
McKesson Strep A Cassette	5	5	-	4	1	-
McKesson Strep A Dipstick	7	7	-	4	3	-
Polymedco Poly Stat Strep A - moderate	5	5	-	3	1	-
Polymedco Poly Stat Strep A - waived	2	2	-	1	1	-
Quidel QuickVue Dipstick Strep	16	16	-	10	4	1
Quidel QuickVue In-Line	26	20	6	15	4	1
Quidel QuickVue+	81	81	-	69	7	3
Stanbio QuStick Strep A	2	2	-	1	-	-

GENERAL BACTERIOLOGY

Specimen UC-11 – Urine Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Klebsiella pneumoniae	7	87.50%	Acceptable
Gram negative bacilli	1	12.50%	Acceptable
<u>Gram Stain</u>			
Gram negative	8	100%	Acceptable
<u>Gram Stain Morphology</u>			
Rods/bacilli	8	100%	

Organism present in specimen UC-11: *Klebsiella pneumoniae*.

GENERAL BACTERIOLOGY

Specimen TC-11 – Throat Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for Group A Strep	4	36.36%	Acceptable
Staphylococcus epidermidis	2	18.18%	Acceptable
Neisseria sicca	1	9.09%	Acceptable
Staph – coagulase neg.	1	9.09%	Acceptable

Organisms present in specimen TC-11: *Neisseria sicca* and *Staphylococcus epidermidis*.

Specimen BA-7 – Respiratory Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Haemophilus influenzae	3	33.33%	Acceptable
Neisseria mucosa	2	22.22%	Acceptable

Organisms present in specimen BA-7: *Haemophilus influenzae* and *Neisseria mucosa*. This is an ungraded challenge due to less than 80% participant consensus.

Technical tip: Before attempting to perform identification testing, make sure you have a pure isolate to work with. This is especially important in cultures from non-sterile sources, which are likely to be mixed. A gram stain of the isolate may reveal if the growth is mixed. The best practice is to subculture a single colony to a fresh plate before performing any biochemical or susceptibility testing. Most *Neisseria* species are considered part of the normal flora of the upper respiratory tract. All are oxidase positive. *N. mucosa* colonies on chocolate agar are greenish yellow, smooth, and measure 1-3mm in diameter.

Specimen BA-8 – Wound Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Streptococcus pyogenes	5	55.56%	Acceptable
Staphylococcus epidermidis	2	22.22%	Acceptable
Presump. Pos. Group A Strep	1	11.11%	Acceptable
Staph – coagulase neg.	1	11.11%	Acceptable

Organisms present in specimen BA-8: *Streptococcus pyogenes* and *Staphylococcus epidermidis*.

Specimen BA-9 – Blood Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Streptococcus agalactiae	5	71.43%	Acceptable

Organism present in specimen BA-9: *Streptococcus agalactiae*. This is an ungraded challenge due to less than 80% participant consensus.

URINE CULTURE

Specimen UC-11

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Klebsiella Pneumoniae	37	32.46%	Acceptable
Growth, referred for identification	26	22.81%	Acceptable
Gram negative bacilli	17	14.91%	Acceptable
Presump. Gram negative	16	14.04%	Acceptable
Klebsiella sp.	7	6.14%	Acceptable
Presump. Klebsiella sp.	4	3.51%	Acceptable
Bacturcult Group II	1	0.88%	Acceptable

Gram Stain

Gram negative	45	100%	Acceptable
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Gram Stain Morphology

Rods/bacilli	41	97.62%	
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Organism present in specimen UC-11: *Klebsiella pneumoniae*.

Specimen UC-12

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Streptococcus agalactiae	36	30.77%	Acceptable
Growth, referred for identification	29	24.79%	Acceptable
Gram positive cocci	19	16.24%	Acceptable
Presump. Gram positive	14	11.97%	Acceptable
Presump. Streptococcus sp.	3	2.56%	Acceptable
Strep – beta hemo; not Group A	1	0.85%	Acceptable
Bacturcult Group I	1	0.85%	Acceptable

Organisms present in specimen UC-12: *Streptococcus agalactiae* and *Lactobacillus casei*.

URINE CULTURE

Specimen UC-13

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Escherichia coli	26	36.62%	Acceptable
Growth, referred for identification	21	29.58%	Acceptable
Presump. Gram negative	8	11.27%	Acceptable
Gram negative bacilli	8	11.27%	Acceptable
Presump. Escherichia coli	7	9.86%	Acceptable
Bacturcult Group I	1	1.41%	Acceptable

Organisms present in specimen UC-13: *Escherichia coli* and *Staphylococcus epidermidis*.

Specimen UC-14

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Growth, referred for identification	10	26.32%	Acceptable
Presump. Gram positive	7	18.42%	Acceptable
Enterococcus sp.	3	7.89%	Acceptable
Enterococcus (Strep) faecium	2	5.26%	Acceptable
Corynebacterium sp.	2	5.26%	Acceptable
Gram positive cocci	2	5.26%	Acceptable
Presump. Enterococcus sp.	1	2.63%	Acceptable
Gram positive bacilli	1	2.63%	Acceptable
Strep. Grp. D – neterococcus	1	2.63%	Acceptable

Organisms present in specimen UC-14: *Enterococcus faecium* and *Corynebacterium sp.*

Specimen UC-15

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Proteus mirabilis	10	30.30%	Acceptable
Growth, referred for identification	10	30.30%	Acceptable
Presump. Gram negative	5	15.15%	Acceptable
Presump. Prosteus sp.	4	12.12%	Acceptable
Proteus sp.	2	6.06%	Acceptable
Gram negative bacilli	1	3.03%	Acceptable

Organism present in specimen UC-15: *Proteus mirabilis*.

ANTIMICROBIAL SUSCEPTIBILITY TESTING

Specimen UC-11, CC-11 (SUS-11) Note: Due to separate strains of *Klebsiella pneumoniae*, we have broken out the CC and UC samples for certain drugs listed below.

<u>Antimicrobial</u>	-----Disk Diffusion-----				-----MIC-----				<u>Acceptable (%)</u>
	<u>Labs</u>	<u>S</u>	<u>I</u>	<u>R</u>	<u>Labs</u>	<u>S</u>	<u>I</u>	<u>R</u>	
Amikacin	1	1	-	-	6	6	-	-	100%
Amoxicillin/Clavulanate	11	10	1	-	8	7	-	1	93.33%
Ampicillin	55	-	-	55	8	-	-	8	100%
Ampicillin/Sulbactam – CC Sample	-	-	-	-	1	1	-	-	100%
Ampicillin/Sulbactam – UC Sample	-	-	-	2	5	-	1	4	83.33%
Aztreonam	-	-	-	-	3	3	-	-	100%
Carbenicillin	23	-	-	23	1	-	-	1	96.88%
Cefaclor	1	-	1	-	-	-	-	-	100%
Cefazolin - CC Sample	2	2	-	-	2	2	-	-	100%
Cefazolin - UC Sample	6	-	-	6	5	-	1	4	85.71%
Cefepime	-	-	-	-	3	3	-	-	83.33%
Cefixime	7	7	-	-	-	-	-	-	100%
Cefotaxime	1	1	-	-	2	2	-	-	100%
Cefotetan	-	-	-	-	1	1	-	-	100%
Cefoxitin – CC Sample	-	-	-	-	1	1	-	-	100%
Cefoxitin – UC Sample	2	-	-	2	-	-	-	-	100%
Cefpodoxime	1	1	-	-	1	-	-	1	Not graded ¹
Ceftazidime	4	4	-	-	4	4	-	1	92.86%
Ceftriaxone	4	4	-	-	7	7	-	1	90.91%
Cefuroxime – CC Sample	-	-	-	-	1	1	-	-	100%
Cefuroxime – UC Sample	4	-	-	4	4	-	-	4	92.31%
Cephalothin – CC Sample	9	8	1	-	4	4	-	-	93.33%
Cephalothin – UC Sample	41	-	-	41	5	-	-	5	97.01%
Cinoxacin - CC Sample	1	1	-	-	-	-	-	-	100%
Cinoxacin - UC Sample	1	-	-	1	-	-	-	-	100%
Ciprofloxacin – CC Sample	12	12	-	-	3	3	-	-	100%
Ciprofloxacin – UC Sample	43	-	-	43	7	1	1	5	93.15%
Doxycycline – CC Sample	3	3	-	-	1	1	-	-	100%
Ertapenem	-	-	-	-	1	1	-	-	100%
Gatifloxacin	-	-	-	-	1	1	-	-	Not graded ¹
Gemifoxacin	-	-	-	-	1	1	-	-	100%
Gentamicin	36	35	-	1	7	7	-	-	97.01%
Imipenem	1	1	-	-	4	4	-	-	100%
Levofloxacin - CC Sample	5	5	-	-	3	3	-	-	100%
Levofloxacin - UC Sample	14	-	-	14	5	-	-	5	96.67%
Lomefloxacin	1	-	-	1	2	-	-	2	100%
Loracarbef	1	1	-	-	-	-	-	-	100%
Nalidixic Acid – CC Sample	1	1	-	-	1	1	-	-	100%
Nalidixic Acid – UC Sample	1	-	-	1	-	-	-	-	100%
Nitrofurantoin – CC Sample	12	7	3	2	4	2	1	1	Not graded ¹
Nitrofurantoin – UC Sample	49	-	-	49	5	-	1	4	95.18%
Norfloxacin – CC Sample	3	3	-	-	2	2	-	-	100%

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

ANTIMICROBIAL SUSCEPTIBILITY TESTING

Specimen UC-11, CC-11 (SUS-11)

<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>	
Norfloxacin – UC Sample	22	-	-	22	1	-	-	1	100%
Ofloxacin – CC Sample	1	1	-	-	1	1	-	-	100%
Ofloxacin – UC Sample	4	-	-	4	-	-	-	-	100%
Oxacillin	1	-	-	1	-	-	-	-	Inappropriate drug ¹
Penicillin	1	-	-	1	-	-	-	-	Inappropriate drug ²
Piperacillin	-	-	-	-	3	-	2	1	Not graded ¹
Piperacillin/Tazobactam	-	-	-	-	4	4	-	-	100%
Sulfisoxazole	6	-	-	6	-	-	-	-	Not graded ¹
Sulfonamides	1	-	-	1	-	-	-	-	100%
Tetracycline	17	7	2	8	5	1	4	-	Not graded ¹
Ticarcillin/Clavulanate	1	1	-	-	4	4	-	-	100%
Tobramycin	3	3	-	-	7	7	-	-	100%
Trimethoprim – CC Sample	3	3	-	-	1	1	-	-	100%
Trimethoprim – UC Sample	3	-	-	3	3	-	-	3	81.82%
Trimethoprim/Sulfamethoxazole – CC Sample	11	11	-	-	4	4	-	-	100%
Trimethoprim/Sulfamethoxazole – UC Sample	48	3	5	40	6	1	-	5	84.15%
Vancomycin	1	-	-	1	-	-	-	-	Inappropriate drug ²

Organism present in specimen UC-11, CC-11 (SUS-11): *Klebsiella pneumoniae*.

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

GC CULTURE

Specimen GC-11

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for N. gonorrhoeae	28	59.57%	Acceptable
No growth (sterile)	11	23.40%	Acceptable
Streptococcus agalactiae	4	8.51%	Acceptable
Staphylococcus epidermidis	2	4.26%	Acceptable
Gram positive cocci	1	2.13%	Acceptable
Growth, referred for identification	1	2.13%	Acceptable

Gram Stain

Gram positive	14	77.78%	Acceptable
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Gram Stain is graded by referee consensus.

Gram Stain Morphology

Cocci	9	45%
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Organisms present in specimen GC-11: *Streptococcus agalactiae* and *Staphylococcus epidermidis*.

Specimen GC-12

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. GC, referred for ID	17	80.95%	Acceptable
Neisseria gonorrhoeae	4	19.05%	Acceptable

Beta-lactamase Testing

Negative	1	50%
Positive	1	50%

Organisms present in specimen GC-12: *Neisseria gonorrhoeae* and *Corynebacterium sp.*

Specimen GC-13

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. GC, referred for ID	15	78.95%	Acceptable
Neisseria gonorrhoeae	4	21.05%	Acceptable

Beta-lactamase Testing

Negative	1	100%
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Organism present in specimen GC-13: *Neisseria gonorrhoeae*.

GC CULTURE

Specimen GC-14

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for N. gonorrhoeae	14	73.68%	Acceptable
No growth (sterile)	4	21.05%	Acceptable
Growth select media, referred	1	5.26%	Acceptable

Organisms present in specimen GC-14: *Neisseria gonorrhoeae* and *Staphylococcus aureus*.

Specimen GC-15

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for N. gonorrhoeae	10	52.63%	Acceptable
No growth (sterile)	9	47.37%	Acceptable

Organisms present in specimen GC-15: *Gardnerella vaginalis* and *Staphylococcus epidermidis*.

COLONY COUNT/PRESUMPTIVE IDENTIFICATION

Specimen CC-11

<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	98	1	2	15	80
Bacturcult	1	-	1	-	-
Bulls Eye	5	-	-	-	5
Calibrated Loop	30	-	-	1	29
Trek Diagnostics onSite	1	-	-	-	1
Uri-Check	12	1	-	2	9
Uricult	46	-	1	10	35
Uri-Three	1	-	-	1	-

Identification–Specimen CC-11

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram negative	9	29.03%	Acceptable
Growth, referred for identification	7	22.58%	Acceptable
Presump. Klebsiella sp.	7	22.58%	Acceptable
Klebsiella pneumoniae	2	6.45%	Acceptable

Gram Stain

Gram negative	3	100%	Acceptable
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Gram Stain Morphology

Rods/bacilli	4	100%
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Organism present in specimen CC-11: >100,000 CFU/mL of *Klebsiella pneumoniae*.

COLONY COUNT/PRESUMPTIVE IDENTIFICATION

Specimen CC-12

<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	99	29	12	38	20
Bacturcult	1	-	-	1	-
Bulls Eye	5	1	1	1	2
Calibrated Loop	30	1	2	14	13
Trek Diagnostics onSite	1	1	-	-	-
Uri-Check	12	5	2	3	2
Uricult	47	20	7	18	2
Uri-Three	1	-	-	-	1

The colony count for this specimen is ungraded due to the lack of 80% participant consensus.

Identification–Specimen CC-12

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram positive	10	32.26%	Acceptable
Growth, referred for identification	9	29.03%	Acceptable
No growth (sterile)	6	19.35%	Acceptable
Streptococcus agalactiae	2	6.45%	Acceptable
Presumptive Streptococcus sp.	2	6.45%	Acceptable

Organisms present in specimen CC-12: >100,000 CFU/mL *Streptococcus agalactiae* and approximately 5,000 CFU/mL of *Lactobacillus casei*.

Identification–Specimen CC-13

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Escherichia coli	9	37.50%	Acceptable
Presump. Gram negative	6	25%	Acceptable
Growth, referred for identification	4	16.67%	Acceptable
Escherichia coli	3	12.50%	Acceptable
Presump. Staphylococcus sp.	1	4.17%	Acceptable

Organisms present in specimen CC-13: >100,000 CFU/mL of *Escherichia coli* and approximately 13,000 CFU/mL of *Staphylococcus epidermidis*.

Identification–Specimen CC-14

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram positive	7	28%	Acceptable
Presump. Enterococcus sp.	6	24%	Acceptable
Growth, referred for identification	6	24%	Acceptable
Enterococcus (Strep) faecium	2	8%	Acceptable
Bacturcult Group II	1	4%	Acceptable
No growth (sterile)	1	4%	Acceptable

Organisms present in specimen CC-14: >100,000 CFU/mL of *Enterococcus faecium* and approximately 58,500 CFU/mL of *Corynebacterium* sp.

COLONY COUNT/PRESUMPTIVE IDENTIFICATION

Identification—Specimen CC-15

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Proteus sp.	9	39.13%	Acceptable
Presump. Gram negative	8	34.78%	Acceptable
Growth, referred for identification	3	13.04%	Acceptable
Proteus mirabilis	2	8.70%	Acceptable

Organism present in specimen CC-15: >100,000 CFU/mL of *Proteus mirabilis*.

DERMATOPHYTE SCREEN

Specimen DM-11

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Dermatophyte present	18	100%	Acceptable

Organism present in specimen DM-11: *Trichophyton mentagrophytes*.

Specimen DM-12

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Dermatophyte absent	16	88.89%	Acceptable
Dermatophyte present	2	11.11%	

Organisms present in specimen DM-12: *Aspergillus niger* and *Lactobacillus casei*.

GRAM STAIN

Specimen GS-11

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

Gram Stain Morphology

Cocci	27	65.85%
Cocci in pairs	11	26.83%
Cocci in chains	3	7.32%

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

Specimen GS-12

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

Gram Stain Morphology

Rods/bacilli	26	65%
Cocco-bacilli	13	32.50%
Cocci	1	2.50%

Organism present in specimen GS-12: *Haemophilus influenzae*.

Specimen GS-13

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram negative	44	88%	Acceptable
Gram positive	6	12%	

Gram Stain Morphology

Rods/bacilli	31	75.61%
Cocco-bacilli	4	9.76%
Diplococci	4	9.76%
Cocci in chains	1	2.44%
Cocci in pairs	1	2.44%

Organism present in specimen GS-13: *Klebsiella pneumoniae*.

GRAM STAIN

Specimen GS-14

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

Gram Stain Morphology

Rods/bacilli	37	92.50%
Diplococci	2	5%
Cocci in pairs	1	2.50%

Organism present in specimen GS-14: *Escherichia coli*.

Specimen GS-15

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram positive	46	92%	Acceptable
Gram negative	4	8%	

Gram Stain Morphology

Cocci	20	48.78%
Cocci in pairs	7	17.07%
Diplococci	6	14.63%
Cocci in chains	4	9.76%
Rods/bacilli	2	4.88%
Cocco-bacilli	2	4.88%

Organism present in specimen GS-15: *Streptococcus pneumoniae*.

AFFIRM VP III–Trichomonas vaginalis

Specimen VP-11

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	26	100%	Acceptable

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

Specimen VP-12

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	25	100%	Acceptable

Organism present in specimen VP-12: No organisms were present.

AFFIRM VP III–Trichomonas vaginalis

Specimen VP-13

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	26	100%	Acceptable

Organisms present in specimen VP-13: *Candida albicans* and *Gardnerella vaginalis*.

Specimen VP-14

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	26	100%	Acceptable

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

Specimen VP-15

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	19	73.08%	Not graded
Negative	7	26.92%	

Organism present in specimen VP-15: *Trichomonas vaginalis*. This specimen is ungraded due to the lack of 80% participant consensus.

AFFIRM VP III–Gardnerella vaginalis

Specimen VP-11

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	25	96.15%	Acceptable
Negative	1	3.85%	

Specimen VP-12

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	24	96%	Acceptable
Positive	1	4%	

Specimen VP-13

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	26	100%	Acceptable

AFFIRM VP III–Gardnerella vaginalis

Specimen VP-14

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	25	96.15%	Acceptable
Positive	1	3.85%	

Specimen VP-15

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	26	100%	Acceptable

AFFIRM VP III–Candida sp.

Specimen VP-11

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	26	100%	Acceptable

Specimen VP-12

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	25	100%	Acceptable

Specimen VP-13

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	24	92.31%	Acceptable
Negative	2	7.69%	

Specimen VP-14

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	24	92.31%	Acceptable
Negative	2	7.69%	

Specimen VP-15

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	25	96.15%	Acceptable
Positive	1	3.85%	

CHLAMYDIA (ANTIGEN DETECTION)

Specimen CY-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	20	20	-
BD ProbeTec	5	5	-
bioMerieux Vitek, Mini Vidas	2	2	-
BioStar OIA	2	2	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	1	1	-
Quidel QuickVue	8	8	-

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

Specimen CY-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	20	-	20
BD ProbeTec	5	-	5
bioMerieux Vitek, Mini Vidas	2	-	2
BioStar OIA	2	-	2
Gen-Probe	2	-	2
Gen-Probe APTIMA	1	-	1
Quidel QuickVue	8	-	8

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

Specimen CY-13

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

Organism present in specimen CY-13: *Chlamydia trachomatis*.

CHLAMYDIA (ANTIGEN DETECTION)

Specimen CY-14

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

Organism present in specimen CY-14: *Neisseria gonorrhoeae*.

Specimen CY-15

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

Organism present in specimen CY-15: *Chlamydia trachomatis*.

GC (ANTIGEN DETECTION)

Specimen CY-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	10	1	9
BD ProbeTec	5	1	4
BioStar OIA	2	-	2
Gen-Probe	2	-	2
Gen-Probe APTIMA	1	-	1

Specimen CY-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	10	10	-
BD ProbeTec	5	5	-
BioStar OIA	2	2	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	1	1	-

GC (ANTIGEN DETECTION)

Specimen CY-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	10	3	7
BD ProbeTec	5	3	2
BioStar OIA	2	-	2
Gen-Probe	2	-	2
Gen-Probe APTIMA	1	-	1

Specimen CY-13 is graded by referee consensus.

Specimen CY-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	10	10	-
BD ProbeTec	5	5	-
BioStar OIA	2	2	-
Gen-Probe	2	2	-
Gen-Probe APTIMA	1	1	-

Specimen CY-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	10	1	9
BD ProbeTec	5	1	4
BioStar OIA	2	-	2
Gen-Probe	2	-	2
Gen-Probe APTIMA	1	-	1

CRYPTOSPORIDIUM ANTIGEN DETECTION

Specimen LC-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	4	4	-
Remel Xpect	3	3	-

Antigen present in specimen LC-11: *Cryptosporidium*.

Specimen LC-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	4	-	4
Remel Xpect	3	-	3

Antigen present in specimen LC-12: *Giardia lamblia*.

CRYPTOSPORIDIUM ANTIGEN DETECTION

Specimen LC-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	4	-	4
Remel Xpect	3	-	3

Antigen present in specimen LC-13: *Giardia lamblia*.

Specimen LC-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	4	-	4
Remel Xpect	3	-	3

Antigen present in specimen LC-14: *Giardia lamblia*.

Specimen LC-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	4	4	-
Remel Xpect	3	3	-

Antigen present in specimen LC-15: *Cryptosporidium*.

GIARDIA LAMBLIA ANTIGEN DETECTION

Specimen LC-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	6	-	6
Alexon (Hycor)	1	-	1
Remel Xpect	4	-	4

Specimen LC-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	6	6	-
Alexon (Hycor)	1	1	-
Remel Xpect	4	4	-

GIARDIA LAMBLIA ANTIGEN DETECTION

Specimen LC-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	6	6	-
Alexon (Hycor)	1	1	-
Remel Xpect	4	4	-

Specimen LC-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	6	6	-
Alexon (Hycor)	1	1	-
Remel Xpect	4	4	-

Specimen LC-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	6	-	6
Alexon (Hycor)	1	-	1
Remel Xpect	4	-	4

RSV ANTIGEN DETECTION

Specimen V-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	32	32	-
BD Directigen	1	1	-
Binax NOW - waived	17	17	-
BioStar OIA	4	4	-
Quidel QuickVue	6	6	-
Wampole Clearview RSV - waived	2	2	-

Specimen V-11: Positive for RSV antigen.

RSV ANTIGEN DETECTION

Specimen V-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	32	-	32
BD Directigen	1	-	1
Binax NOW - waived	17	-	17
BioStar OIA	4	-	4
Quidel QuickVue	6	-	6
Wampole Clearview RSV - waived	2	-	2

Specimen V-12: Negative for RSV antigen.

Specimen V-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	21	-	21
BD Directigen	1	-	1
Binax NOW - waived	9	-	9
BioStar OIA	4	-	4
Quidel QuickVue	3	-	3
Wampole Clearview RSV - waived	2	-	2

Specimen V-8: Negative for RSV antigen.

Specimen V-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	21	21	-
BD Directigen	1	1	-
Binax NOW - waived	9	9	-
BioStar OIA	4	4	-
Quidel QuickVue	3	3	-
Wampole Clearview RSV - waived	2	2	-

Specimen V-14: Positive for RSV antigen.

RSV ANTIGEN DETECTION

Specimen V-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	21	-	21
BD Directigen	1	-	1
Binax NOW - waived	9	-	9
BioStar OIA	4	-	4
Quidel QuickVue	3	-	3
Wampole Clearview RSV - waived	2	-	2

Specimen V-15: Negative for RSV antigen.

INFLUENZA A/B ANTIGEN DETECTION

Specimen V-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	76	2	74
BioStar OIA	3	-	3
Quidel QuickVue Influenza	69	2	67
Remel Xpect	1	-	1

Specimen V-11: Negative for Influenza A/B antigen.

Specimen V-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	75	72	3
BioStar OIA	3	3	-
Quidel QuickVue Influenza	69	66	3
Remel Xpect	1	1	-

Specimen V-12: Positive for Influenza A/B antigen.

Specimen V-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	24	23	1
BioStar OIA	3	3	-
Quidel QuickVue Influenza	20	19	1
Remel Xpect	1	1	-

Specimen V-13: Positive for Influenza A/B antigen.

INFLUENZA A/B ANTIGEN DETECTION

Specimen V-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	25	-	25
BioStar OIA	4	-	4
Quidel QuickVue Influenza	20	-	20
Remel Xpect	1	-	1

Specimen V-14: Negative for Influenza A/B antigen.

Specimen V-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	25	24	1
BioStar OIA	4	4	-
Quidel QuickVue Influenza	20	19	1
Remel Xpect	1	1	-

Specimen V-15: Positive for Influenza A/B antigen.

INFLUENZA A ANTIGEN DETECTION

Specimen V-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	98	-	98
BD Directigen	1	-	1
Binax NOW - waived	31	-	31
BioStar Flu OIA A/B	6	-	6
Quidel QuickVue Influenza A+B	50	-	50
Remel Xpect	5	-	5

Specimen V-11: Negative for Influenza A antigen.

Specimen V-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	99	97	2
BD Directigen	1	1	-
Binax NOW - waived	31	29	2
BioStar Flu OIA A/B	6	6	-
Quidel QuickVue Influenza A+B	50	50	-
Remel Xpect	5	5	-

Specimen V-12: Positive for Influenza A antigen.

INFLUENZA A ANTIGEN DETECTION

Specimen V-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	43	1	42
BD Directigen	1	-	1
Binax NOW - waived	10	1	9
BioStar Flu OIA A/B	6	-	6
Quidel QuickVue Influenza A+B	19	-	19
Remel Xpect	4	-	4

Specimen V-13: Negative for Influenza A antigen.

Specimen V-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	42	2	40
BD Directigen	1	1	-
Binax NOW - waived	10	-	10
BioStar Flu OIA A/B	6	-	6
Quidel QuickVue Influenza A+B	19	-	19
Remel Xpect	4	-	4

Specimen V-14: Negative for Influenza A antigen.

Specimen V-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	42	42	-
BD Directigen	1	1	-
Binax NOW - waived	10	10	-
BioStar Flu OIA A/B	6	6	-
Quidel QuickVue Influenza A+B	19	19	-
Remel Xpect	4	4	-

Specimen V-15: Positive for Influenza A antigen.

INFLUENZA B ANTIGEN DETECTION

Specimen V-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	98	-	98
BD Directigen	1	-	1
Binax NOW - waived	31	-	31
BioStar Flu OIA A/B	6	-	6
Quidel QuickVue Influenza A+B	49	-	49
Remel Xpect	5	-	5

Specimen V-11: Negative for Influenza B antigen.

Specimen V-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	99	2	97
BD Directigen	1	-	1
Binax NOW - waived	31	2	29
BioStar Flu OIA A/B	6	-	6
Quidel QuickVue Influenza A+B	49	-	49
Remel Xpect	5	-	5

Specimen V-12: Negative for Influenza B antigen.

Specimen V-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	43	42	1
BD Directigen	1	1	-
Binax NOW - waived	10	9	1
BioStar Flu OIA A/B	6	6	-
Quidel QuickVue Influenza A+B	19	19	-
Remel Xpect	4	4	-

Specimen V-13: Positive for Influenza B antigen.

INFLUENZA B ANTIGEN DETECTION

Specimen V-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	43	1	42
BD Directigen	1	-	1
Binax NOW - waived	10	-	10
BioStar Flu OIA A/B	6	-	6
Quidel QuickVue Influenza A+B	19	-	19
Remel Xpect	4	-	4

Specimen V-14: Negative for Influenza B antigen.

Specimen V-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	43	-	43
BD Directigen	1	-	1
Binax NOW - waived	10	-	10
BioStar Flu OIA A/B	6	-	6
Quidel QuickVue Influenza A+B	19	-	19
Remel Xpect	4	-	4

Specimen V-15: Negative for Influenza B antigen.

LEGIONELLA ANTIGEN DETECTION

Specimen L-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	66	65	1

Specimen L-11: Positive for Legionella antigen.

Specimen L-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	66	-	66

Specimen L-12: Negative for Legionella antigen.

Specimen L-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	66	-	66

Specimen L-13: Negative for Legionella antigen.

LEGIONELLA ANTIGEN DETECTION

Specimen L-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	66	66	-

Specimen L-14: Positive for Legionella antigen.

Specimen L-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	66	66	-

Specimen L-15: Positive for Legionella antigen.

CLOSTRIDIUM DIFFICILE TOXIN ANTIGEN DETECTION

Specimen AG-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	16	16	-
Alexon (Hycor)	1	1	-
bioMerieux Vitek, Mini Vidas	2	2	-
Biosite Triage	3	3	-
BioStar OIA	3	3	-
Meridian ImmunoCard	3	3	-
Meridian Premier	1	1	-
Remel Xpect	2	2	-

Antigens present in specimen AG-11: *Clostridium difficile* and Rotavirus.

Specimen AG-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	16	-	16
Alexon (Hycor)	1	-	1
bioMerieux Vitek, Mini Vidas	2	-	2
Biosite Triage	3	-	3
BioStar OIA	3	-	3
Meridian ImmunoCard	3	-	3
Meridian Premier	1	-	1
Remel Xpect	2	-	2

Antigen present in specimen AG-12: Rotavirus.

CLOSTRIDIUM DIFFICILE TOXIN ANTIGEN DETECTION

Specimen AG-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	16	16	-
Alexon (Hycor)	1	1	-
bioMerieux Vitek, Mini Vidas	2	2	-
Biosite Triage	3	3	-
BioStar OIA	3	3	-
Meridian ImmunoCard	3	3	-
Meridian Premier	1	1	-
Remel Xpect	2	2	-

Antigen present in specimen AG-13: *Clostridium difficile*.

Specimen AG-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	16	-	16
Alexon (Hycor)	1	-	1
bioMerieux Vitek, Mini Vidas	2	-	2
Biosite Triage	3	-	3
BioStar OIA	3	-	3
Meridian ImmunoCard	3	-	3
Meridian Premier	1	-	1
Remel Xpect	2	-	2

Antigen present in specimen AG-14: Rotavirus.

Specimen AG-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	16	16	-
Alexon (Hycor)	1	1	-
bioMerieux Vitek, Mini Vidas	2	2	-
Biosite Triage	3	3	-
BioStar OIA	3	3	-
Meridian ImmunoCard	3	3	-
Meridian Premier	1	1	-
Remel Xpect	2	2	-

Antigen present in specimen AG-15: *Clostridium difficile*.

ROTAVIRUS ANTIGEN DETECTION

Specimen AG-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	9	9	-
bioMerieux Vitek, Mini Vidas	1	1	-
Fisher HealthCare Sure-Vue	3	3	-
Meridian ImmunoCard	4	4	-
Remel Xpect	1	1	-

Specimen AG-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	9	9	-
bioMerieux Vitek, Mini Vidas	1	1	-
Fisher HealthCare Sure-Vue	3	3	-
Meridian ImmunoCard	4	4	-
Remel Xpect	1	1	-

Specimen AG-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	9	-	9
bioMerieux Vitek, Mini Vidas	1	-	1
Fisher HealthCare Sure-Vue	3	-	3
Meridian ImmunoCard	4	-	4
Remel Xpect	1	-	1

Specimen AG-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	9	9	-
bioMerieux Vitek, Mini Vidas	1	1	-
Fisher HealthCare Sure-Vue	3	3	-
Meridian ImmunoCard	4	4	-
Remel Xpect	1	1	-

Specimen AG-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	9	1	8
bioMerieux Vitek, Mini Vidas	1	-	1
Fisher HealthCare Sure-Vue	3	1	2
Meridian ImmunoCard	4	-	4
Remel Xpect	1	-	1

STREPTOCOCCUS PNEUMONIAE ANTIGEN

Specimen SP-11

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	67	-	67

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

Specimen SP-12

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	67	-	67

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

Specimen SP-13

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	67	67	-

Specimen SP-13: Positive for *Streptococcus pneumoniae* antigen.

Specimen SP-14

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	67	-	67

Specimen SP-14: Negative for *Streptococcus pneumoniae* antigen.

Specimen SP-15

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	67	67	-

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

PARASITOLOGY

Specimen PA-11

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Blastocystis hominis	3	75%	Not graded

Parasite present in specimen PA-11: *Blastocystis hominis*. This specimen is ungraded due to the lack of 80% participant consensus.

Specimen PA-12

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
No parasite seen	3	60%	Not graded

Parasite present in specimen PA-12: No parasites present. This specimen is ungraded due to the lack of 80% participant consensus.

Specimen PA-13

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Strongyloides stercoralis larvae	4	80%	Acceptable

Parasite present in specimen PA-13: *Strongyloides stercoralis larvae*.

Specimen PA-14

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Ascaris lumbricoides eggs	4	22.22%	Acceptable
Hookworm	4	22.22%	Acceptable
Schistosoma mansoni eggs	4	22.22%	Acceptable
Entamoeba coli	3	16.67%	Acceptable
Trichuris trichiura eggs	1	5.56%	Acceptable

Parasites present in specimen PA-14: *Ascaris lumbricoides eggs*, *Hookworm*, *Schistosoma mansoni eggs*, *Entamoeba coli* and *Trichuris trichiura eggs*.

Specimen PA-15

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Trypanosoma sp., NOS	3	60%	Acceptable
Trypanosoma cruzi	1	20%	Acceptable

Parasite present in specimen PA-15: *Trypanosoma cruzi*.

Medical Laboratory Evaluation

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