

MEDICAL LABORATORY EVALUATION

PARTICIPANT SUMMARY

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

Microbiology
MLE – M1

Table of Contents

2004 Evaluation Criteria 2

Microbiology

Throat Culture	3	RSV Antigen Detection.....	21
Strep A Antigen Detection.....	4	Influenza A/B Antigen Detection.....	22
General Bacteriology	7	Influenza A Antigen Detection	23
Urine Culture	8	Influenza B Antigen Detection	24
Gram Stain.....	8	Legionella Antigen Detection.....	25
Antimicrobial Susceptibility Testing	10	Clostridium Difficile Toxin Antigen Detection	26
GC Culture	11	Rotavirus Antigen Detection.....	27
Gram Stain.....	11	Cryptosporidium Antigen Detection	28
Colony Count	13	Giardia lamblia Antigen Detection.....	29
Gram Stain.....	13	Streptococcus pneumoniae Antigen Detection	29
Dermatophyte Screen	15	Parasitology	30
Gram Stain.....	15	International Parasitology.....	31
Chlamydia (Antigen Detection).....	17	Summary of Isolates.....	31
GC (Antigen Detection).....	18		
Affirm VP III			
Gardnerella vaginalis	19		
Candida sp.	20		
Trichomonas vaginalis.....	21		

2004 Evaluation Criteria

The evaluation criteria used in the 2004 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, HCFA 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

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for Group A Strep	210	92.1%	Acceptable
Streptococcus pneumoniae	11	4.8%	Acceptable
Streptococcus alpha-hemolytic	2	0.9%	Acceptable
Presumptive Streptococcus sp.	1	0.4%	Acceptable
Growth select media, referred	1	0.4%	Acceptable

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

Specimen TC-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive for Group A Strep	119	51.7%	Acceptable
Presump. Pos. Group A Strep	89	38.7%	Acceptable
Streptococcus pyogenes	11	4.8%	Acceptable
Staphylococcus epidermidis	3	1.3%	Acceptable
Negative for Group A Strep	7	3.0%	

Organisms present in specimen TC-2: *Streptococcus pyogenes* and *Staphylococcus epidermidis*.

Specimen TC-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive for Group A Strep	37	52.1%	Acceptable
Presump. Pos. Group A Strep	33	46.5%	Acceptable

Organism present in specimen TC-3: *Streptococcus pyogenes*.

Specimen TC-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive for Group A Strep	33	55.9%	Acceptable
Presump. Pos. Group A Strep	25	42.4%	Acceptable

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

Specimen TC-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative For Group A Strep	56	94.9%	Acceptable
No growth (sterile)	2	3.4%	Acceptable

Organism present in specimen TC-5: *Neisseria mucosa*.

STREP A ANTIGEN DETECTION

Specimen RS-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>	<u>Strength of Reaction</u>		
				<u>Strong</u>	<u>Moderate</u>	<u>Weak</u>
All Methods	725	704	21	446	174	40
Abbott Signify Strep A-waived	95	95	-	61	30	2
Applied Biotech Signify	12	12	-	7	2	2
Applied Biotech SureStep	5	5	-	1	2	2
Applied Biotech SureStep II	6	6	-	-	5	-
BD Directigen 1-2-3	1	1	-	1	-	-
BD LINK 2	5	5	-	-	2	2
BD Qtest	28	28	-	10	16	1
Beckman Coulter ICON DS	15	15	-	4	7	3
Beckman Coulter ICON Fx Strep A	26	25	1	13	9	3
Beckman Coulter ICON SC	7	7	-	2	5	-
Bio Diagnostics Systems	1	1	-	1	-	-
BioStar Acceava Strep A Test	65	64	1	45	11	-
BioStar Strep A MAX OIA	49	49	-	39	5	4
DE Healthcare TruView	5	5	-	2	1	-
Fisher HealthCare Sure-Vue	4	4	-	-	4	-
Fisher Sure-Vue Select	1	1	-	-	1	-
Fisher Sure-Vue Strep A-waived	1	1	-	1	-	-
Genzyme OSOM Ultra Strep A	31	31	-	17	8	3
Henry Schein One Strep	3	3	-	1	1	-
LifeSign Status Strep A	1	1	-	-	-	1
Mainline Confirms	6	6	-	2	-	1
Mainline Confirms Strep A Dots	2	2	-	-	-	2
Polymedco Polystat Strep A (I)	29	28	1	15	12	1
Polymedco Polystat Strep A (II)	20	20	-	4	9	5
Quidel Cards QS	2	2	-	2	-	-
Quidel QuickVue Dipstick Strep	23	23	-	13	5	1
Quidel QuickVue In-Line	96	78	18	60	9	5
Quidel QuickVue+	133	133	-	112	16	1
Stanbio QuStick Strep A	2	2	-	1	-	-
Wampole Clearview	5	5	-	2	2	1
Wyntek OSOM	6	6	-	5	1	-
Wyntek OSOM Ultra Strep A	20	20	-	13	4	-

Specimen RS-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	685	9	676
Abbott Signify Strep A-waived	91	-	91
Applied Biotech Signify	9	1	8
Applied Biotech SureStep	5	-	5
Applied Biotech SureStep II	6	-	6
BD Directigen 1-2-3	1	-	1
BD LINK 2	5	-	5
BD Qtest	23	-	22
Beckman Coulter ICON DS	14	1	13
Beckman Coulter ICON Fx Strep A	26	1	25
Beckman Icon SC	7	-	7
Bio Diagnostics Systems	1	-	1
BioStar Acceava Strep A Test	64	1	63

STREP A ANTIGEN DETECTION

Specimen RS-2 (cont'd)

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
BioStar Strep A MAX OIA	48	2	46
DE Healthcare TruView	4	-	4
Fisher HealthCare Sure-Vue	3	-	3
Fisher Sure-Vue Strep A-waived	1	-	1
Genzyme OSOM Ultra Strep A	28	-	28
Henry Schein One Step	2	-	2
LifeSign Status Strep A	1	-	1
Mainline Confirms	4	-	4
Mainline Confirms Strep A Dots	2	-	2
Polymedco Polystat Strep A (I)	29	-	29
Polymedco Polystat Strep A (II)	19	-	19
Quidel Cards QS	2	-	2
Quidel QuickVue Dipstick Strep	19	-	19
Quidel QuickVue In-Line	94	1	93
Quidel QuickVue+	127	1	126
Stanbio QuStick Strep A	2	-	2
Wampole Clearview	4	-	4
Wyntek OSOM	6	-	6
Wyntek OSOM Ultra Strep A	20	-	20

Specimen RS-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	446	5	441
Abbott Signify Strep A-waived	45	-	45
Applied Biotech Signify	9	-	9
Applied Biotech SureStep	3	-	3
Applied Biotech SureStep II	5	-	5
BD Directigen 1-2-3	1	-	1
BD LINK 2	1	-	1
BD Qtest	21	1	20
Beckman Coulter ICON DS	9	-	9
Beckman Coulter ICON Fx Strep A	13	-	13
Beckman Coulter ICON SC	3	-	3
Bio Diagnostics Systems	1	-	1
BioStar Acceava Strep A Test	24	1	23
BioStar Strep A MAX OIA	47	1	46
DE Healthcare TruView	1	-	1
Fisher HealthCare Sure-Vue	1	-	1
Genzyme OSOM Ultra Strep A	18	-	18
Henry Schein One Step	2	-	2
LifeSign Status Strep A	1	-	1
Mainline Confirms	4	-	4
Mainline Confirms Strep A Dots	2	-	2
Polymedco Polystat Strep A (I)	24	-	24
Polymedco Polystat Strep A (II)	10	-	10

STREP A ANTIGEN DETECTION

Specimen RS-3 (cont'd)

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Quidel Cards QS	2	-	2
Quidel QuickVue Dipstick Strep	8	-	8
Quidel QuickVue In-Line	36	-	36
Quidel QuickVue+	122	2	120
Stanbio QuStick Strep A	2	-	2
Wampole Clearview	3	-	3
Wyntek OSOM	5	-	5
Wyntek OSOM Ultra Strep A	12	-	12

Specimen RS-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>	<u>Strength of Reaction</u>		
				<u>Strong</u>	<u>Moderate</u>	<u>Weak</u>
All Methods	375	366	9	235	77	32
Abbott Signify Strep A-waived	34	34	-	23	6	2
Applied Biotech Signify	9	9	-	2	3	3
Applied Biotech SureStep	2	2	-	-	-	2
Applied Biotech SureStep II	5	5	-	2	1	1
BD LINK 2	1	1	-	-	-	1
BD Qtest	18	18	-	9	6	2
Beckman Coulter ICON DS	9	8	1	3	3	2
Beckman Coulter ICON Fx Strep A	12	12	-	3	3	5
Beckman Coulter ICON SC	2	2	-	-	-	2
Bio Diagnostics Systems	1	1	-	1	-	-
BioStar Acceava Strep A Test	19	19	-	13	2	-
BioStar Strep A MAX OIA	46	46	-	38	6	1
DE Healthcare TruView	1	1	-	-	-	-
Fisher HealthCare Sure-Vue	1	1	-	-	-	1
Genzyme OSOM Ultra Strep A	15	15	-	10	2	1
Henry Schein One Step	2	2	-	1	-	-
Mainline Confirms	1	1	-	-	1	-
Mainline Confirms Strep A Dots	2	2	-	-	1	1
Polymedco Polystat Strep A (I)	22	22	-	9	12	1
Polymedco Polystat Strep A (II)	8	7	1	3	2	2
Quidel Cards QS	2	2	-	2	-	-
Quidel QuickVue Dipstick Strep	5	5	-	3	2	-
Quidel QuickVue In-Line	33	29	4	17	8	2
Quidel QuickVue+	102	99	3	82	14	1
Stanbio QuStick Strep A	2	2	-	1	-	-
Wampole Clearview	3	3	-	1	1	1
Wyntek OSOM	5	5	-	4	1	-
Wyntek OSOM Ultra Strep A	6	6	-	4	1	-

STREP A ANTIGEN DETECTION

Specimen RS-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	374	3	371
Abbott Signify Strep A-waived	34	-	34
Applied Biotech Signify	9	-	9
Applied Biotech SureStep	2	-	2
Applied Biotech SureStep II	5	-	5
BD LINK 2	1	-	1
BD Qtest	18	-	18
Beckman Coulter ICON DS	9	-	9
Beckman Coulter ICON Fx Strep A	12	1	11
Beckman Coulter ICON SC	2	-	2
Bio Diagnostics Systems	1	-	1
BioStar Acceava Strep A Test	19	-	19
BioStar Strep A MAX OIA	46	-	46
DE Healthcare TruView	1	-	1
Fisher HealthCare Sure-View	1	-	1
Genzyme OSOM Ultra Strep A	15	-	15
Henry Schein One Step	2	-	2
Mainline Confirms	1	-	1
Mainline Confirms Strep A Dots	2	-	2
Polymedco Polystat Strep A (I)	22	-	22
Polymedco Polystat Strep A (II)	8	2	6
Quidel Cards QS	2	-	2
Quidel QuickVue Dipstick Strep	5	-	5
Quidel QuickVue In-Line	32	-	32
Quidel QuickVue+	102	-	102
Stanbio QuStick Strep A	2	-	2
Wampole Clearview	3	-	3
Wyntek OSOM	5	-	5
Wyntek OSOM Ultra Strep A	6	-	6

GENERAL BACTERIOLOGY

Specimen UC-1 – Urine Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Citrobacter freundii	2	66.7%	Acceptable
Citrobacter sp.	1	33.3%	Acceptable
<u>Gram Stain</u>			
Gram negative	2	100%	Acceptable
<u>Gram Stain Morphology</u>			
Rods/bacilli	2	100%	

Organism present in specimen UC-1: *Citrobacter freundii*.

GENERAL BACTERIOLOGY

Specimen GC-1 – GC Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Streptococcus agalactiae	3	60.0%	Acceptable
Staphylococcus epidermidis	1	20.0%	Acceptable

Organisms present in specimen GC-1: *Streptococcus sp. Group B* and *Staphylococcus epidermidis*.

Specimen BA-1 - Wound Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Pasturella multocida	4	66.7%	Acceptable
Growth, referred for identification	1	16.7%	Acceptable

Organisms present in specimen BA-1: *Pasturella multocida* and *Neisseria sicca*.

Specimen BA-2 – Blood Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Escherichia coli	3	100%	Acceptable

Organism present in specimen BA-2: *Escherichia coli*.

Specimen BA-3 – Stool Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Escherichia coli	1	33.3%	Not graded

Organisms present in specimen BA-3: *Campylobacter jejuni* and *Escherichia coli*. This is an ungraded challenge due to less than 80% participant consensus.

URINE CULTURE

Specimen UC-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Citrobacter freundii	49	29.5%	Acceptable
Presump. Gram negative	36	21.7%	Acceptable
Growth, referred for identification	33	19.9%	Acceptable
Gram negative bacilli	21	12.7%	Acceptable
Citrobacter sp.	3	1.8%	Acceptable
Presump. Escherichia coli	7	4.2%	
Enterobacter sp.	6	3.6%	

Gram Stain

Gram negative	67	100%	Acceptable
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URINE CULTURE

Specimen UC-1 (cont'd)

<u>Gram Stain Morphology</u>	<u>Labs</u>	<u>Percent</u>
Rods/bacilli	63	100%

Organism present in specimen UC-1: *Citrobacter freundii*.

Specimen UC-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Growth, referred for identification	43	24.9%	Acceptable
Enterococcus sp.	40	23.1%	Acceptable
Presump. Gram positive	30	17.3%	Acceptable
Gram positive cocci	23	13.3%	Acceptable
Enterococcus (Strep) faecalis	11	6.4%	Acceptable
Presump. Enterococcus sp.	10	5.8%	Acceptable
Streptococcus non-hemolytic	3	1.7%	Acceptable
Corynebacterium sp.	2	1.2%	Acceptable
Presumptive Streptococcus sp.	2	1.2%	Acceptable
Streptococcus Group D	1	0.6%	Acceptable
Strep. Grp. D – enterococcus	1	0.6%	Acceptable

Organisms present in specimen UC-2: *Enterococcus faecalis* and *Corynebacterium sp.*.

Specimen UC-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram Negative	30	29.1%	Acceptable
Escherichia coli	29	28.2%	Acceptable
Growth, referred for identification	24	23.3%	Acceptable
Gram negative bacilli	7	6.8%	Acceptable
Presump. Escherichia coli	7	6.8%	Acceptable
Staph – coagulase neg.	2	1.9%	Acceptable
Gram positive cocci	2	1.9%	Acceptable
Presump. Gram positive	2	1.9%	Acceptable

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

Specimen UC-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram negative	25	43.9%	Acceptable
Klebsiella oxytoca	11	19.3%	Acceptable
Growth, referred for identification	9	15.8%	Acceptable
Klebsiella sp.	4	7.0%	Acceptable
Gram negative bacilli	3	5.3%	Acceptable

Organism present in specimen UC-4: *Klebsiella oxytoca*.

URINE CULTURE

Specimen UC-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram positive	19	33.3%	Acceptable
Growth, referred for identification	18	31.6%	Acceptable
Staphylococcus aureus	10	17.5%	Acceptable
Gram positive cocci	6	10.5%	Acceptable
Staphylococcus sp.	3	5.3%	Acceptable
Presump. Staphylococcus sp.	1	1.8%	Acceptable

Organisms present in specimen UC-5: *Staphylococcus aureus* and *Lactobacillus sp.*

ANTIMICROBIAL SUSCEPTIBILITY TESTING

Specimen UC-1, CC-1 (SUS-1)

<u>Antimicrobial</u>	<u>-----Agar Diffusion-----</u>				<u>-----MIC-----</u>				<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	2	2	-	-	4	4	-	-	100%
Amoxicillin/Clavulanate	16	2	2	12	11	9	1	1	Not graded ¹
Ampicillin	88	6	6	76	12	4	1	7	80.1%
Ampicillin/Sulbactam	-	-	-	-	3	3	-	-	100%
Aztreonam	-	-	-	-	1	1	-	-	100%
Carbenicillin	33	33	-	-	5	4	-	1	100%
Cefaclor	4	-	-	4	1	-	1	-	Not graded ¹
Cefamandole	-	-	-	-	1	1	-	-	100%
Cefazolin	9	2	3	4	5	2	-	3	Not graded ¹
Cefixime	4	1	3	-	-	-	-	-	80.0%
Cefotaxime	1	1	-	-	-	-	-	-	100%
Cefpodoxime	1	-	-	1	-	-	-	-	100%
Ceftazidime	2	2	-	-	1	1	-	-	100%
Ceftriaxone	6	6	-	-	7	7	-	-	100%
Cefuroxime	2	2	-	-	3	3	-	-	100%
Cephalexin	1	-	-	1	3	-	-	3	100%
Cephalothin	80	4	-	76	15	1	2	12	90.2%
Cinoxacin	4	4	-	-	-	-	-	-	100%
Ciprofloxacin	83	83	-	-	20	20	-	-	100%
Doxycycline	6	6	-	-	1	1	-	-	83.3%
Fosfomycin	1	1	-	-	-	-	-	-	100%
Gatifloxacin	1	1	-	-	1	1	-	-	100%
Gentamicin	46	46	-	-	6	6	-	-	100%
Imipenem	1	1	-	-	2	2	-	-	100%
Levofloxacin	18	18	-	-	12	12	-	-	100%
Lomefloxacin	-	-	-	-	2	2	-	-	100%
Loracarbef	1	1	-	-	-	-	-	-	100%
Mezlocillin	1	1	-	-	-	-	-	-	100%
Nalidixic Acid	5	5	-	-	1	1	-	-	100%
Nitrofurantoin	93	93	-	-	20	19	-	1	98.7%
Norfloxacin	35	35	-	-	4	4	-	-	100%
Novobiacin	1	-	-	1	-	-	-	-	100%

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

ANTIMICROBIAL SUSCEPTIBILITY TESTING

Specimen UC-1, CC-1 (SUS-1) (cont'd)

<u>Antimicrobial</u>	<u>-----Agar Diffusion-----</u>				<u>-----MIC-----</u>				<u>Acceptable (%)</u>
	<u>Interpretative category data</u>				<u>Interpretative category data</u>				
	<u>Labs</u>	<u>S</u>	<u>I</u>	<u>R</u>	<u>Labs</u>	<u>S</u>	<u>I</u>	<u>R</u>	
Ofloxacin	18	18	-	-	2	1	1	-	96.6%
Penicillin-G	-	-	-	-	1	-	-	1	100%
Piperacillin	-	-	-	-	1	1	-	-	100%
Sulfamethoxazole	2	2	-	-	-	-	-	-	100%
Sulfisoxazole	7	7	-	-	1	-	-	1	92.9%
Sulfonamide	1	1	-	-	1	1	-	-	100%
Tetracycline	46	45	1	-	13	13	-	-	98.8%
Ticarcillin	1	1	-	-	-	-	-	-	100%
Ticarcillin/Clavulanate	-	-	-	-	1	1	-	-	100%
Tobramycin	1	1	-	-	2	2	-	-	100%
Trimethoprim	6	6	-	-	7	7	-	-	100%
Trimethoprim/Sulfamethoxazole	88	88	-	-	19	19	-	-	100%

Organism present in specimen UC-1, CC-1 (SUS-1): *Citrobacter freundii*.

GC CULTURE

Specimen GC-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for <i>N. gonorrhoeae</i>	37	59.7%	Acceptable
No growth (sterile)	13	21.0%	Acceptable
<i>Streptococcus agalactiae</i>	7	11.3%	Acceptable
Staph – coagulase neg.	2	3.2%	Acceptable
Strep – beta hemo; not Grp A	1	1.6%	Acceptable
Gram positive cocci	1	1.6%	Acceptable

Gram Stain

Gram positive	20	87.0%	Acceptable
Gram negative	3	13.0%	

Gram Stain Morphology

	<u>Labs</u>	<u>Percent</u>
Cocci	13	56.5%
Cocci in chains	7	30.4%
Cocci in pairs	1	4.4%
Cocco-bacilli	1	4.4%
Diplococci	1	4.4%

Organisms present in specimen GC-1: *Streptococcus sp. Group B* and *Staphylococcus epidermidis*.

GC CULTURE

Specimen GC-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. GC, referred for identification	15	68.2%	Acceptable
Neisseria gonorrhoeae	6	27.3%	Acceptable

Beta-lactamase Testing

Negative	3	100%
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Organism present in specimen GC-2: *Neisseria gonorrhoeae*.

Specimen GC-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for N. gonorrhoeae	14	70.0%	Acceptable
Gram positive cocci	3	15.0%	Acceptable
No growth (sterile)	3	15.0%	Acceptable

Organisms present in specimen GC-3: *Enterococcus faecalis* and *Lactobacillus* sp.

Specimen GC-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for N. gonorrhoeae	12	60.0%	Acceptable
No growth (sterile)	7	35.0%	Acceptable

Organisms present in specimen GC-4: *Gardnerella vaginalis*.

Specimen GC-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. GC, referred for identification	13	65.0%	Acceptable
Neisseria gonorrhoeae	6	30.0%	Acceptable

Beta-lactamase Testing

Negative	3	100%
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Organisms present in specimen GC-5: *Neisseria gonorrhoeae* and *Escherichia coli*.

COLONY COUNT

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	123	2	1	12	108
Bactercult	2	-	-	-	2
Bacti-Star	1	-	-	-	1
Bulls Eye	7	-	-	4	3
Calibrated Loop	33	-	-	1	32
Dip-N-Count	1	-	-	-	1
HealthLink	1	-	-	-	1
Uri-Check	17	2	1	-	14
Uri-Three	1	-	-	-	1
Uricult	56	-	-	6	50

Identification—Specimen CC-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram negative	14	25.5%	Not graded
Growth, referred for identification	8	14.6%	
Citrobacter sp.	2	3.6%	
Citrobacter freundii	2	3.6%	
Presump. Escherichia coli	20	36.4%	
Presump. Klebsiella sp.	5	9.1%	

Gram Stain

Gram negative	8	100%	Acceptable
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Gram Stain Morphology

Rods/bacilli	10	100%
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Organism present in specimen CC-1: *Citrobacter freundii*. This is an ungraded challenge due to less than 80% referee consensus.

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	122	5	2	41	74
Bactercult	2	-	-	-	2
Bacti-Star	1	-	-	-	1
Bulls Eye	6	-	-	2	4
Calibrated Loop	33	-	-	4	29
Dip-N-Count	1	-	-	-	1
HealthLink	1	-	-	-	1
Uri-Check	17	3	1	5	8
Uri-Three	1	-	-	-	1
Uricult	56	2	1	28	25

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

COLONY COUNT

Identification–Specimen CC-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Enterococcus sp.	20	32.8%	Acceptable
Presump. Gram positive	19	31.2%	Acceptable
Growth, referred for identification	11	18.0%	Acceptable
Corynebacterium sp.	1	1.6%	Acceptable
Enterococcus sp.	1	1.6%	Acceptable
Enterococcus (Strep) faecalis	1	1.6%	Acceptable
Gram positive cocci	1	1.6%	Acceptable

Organisms present in specimen CC-2: *Enterococcus faecalis* and *Corynebacterium sp.*

Identification–Specimen CC-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Escherichia coli	15	36.6%	Acceptable
Growth, referred for identification	8	19.5%	Acceptable
Presump. Gram negative	5	12.2%	Acceptable
Presump. Gram positive	4	9.8%	Acceptable
Escherichia coli	2	4.9%	Acceptable
Staph – coagulase neg.	1	2.4%	Acceptable
Presump. Staphylococcus sp.	1	2.4%	Acceptable

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

Identification–Specimen CC-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram negative	12	31.6%	Not graded
Growth, referred for identification	8	21.1%	
Presump. Klebsiella sp.	6	15.8%	
Klebsiella sp.	1	2.6%	
Gram negative bacilli	1	2.6%	
Klebsiella oxytoca	1	2.6%	
Presump. Escherichia coli	5	13.2%	

Organism present in specimen CC-4: *Klebsiella oxytoca*. This is an ungraded challenge due to less than 80% referee consensus.

Identification–Specimen CC-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Gram positive	11	29.7%	Acceptable
Presump. Staphylococcus sp.	10	27.0%	Acceptable
Growth, referred for identification	6	16.2%	Acceptable
Staphylococcus aureus	3	8.1%	Acceptable
Staphylococcus sp.	1	2.7%	Acceptable
Bacturcult Group II	1	2.7%	Acceptable

Organisms present in specimen CC-5: *Staphylococcus aureus* and *Lactobacillus sp.*

DERMATOPHYTE SCREEN

Specimen DM-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Dermatophyte absent	14	66.7%	Not graded
Dermatophyte present	7	33.3%	

Organism present in specimen DM-1: *Candida albicans*. This is an ungraded challenge due to less than 80% participant consensus.

Specimen DM-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Dermatophyte present	19	90.5%	Acceptable
Dermatophyte absent	2	9.5%	

Organisms present in specimen DM-2: *Trichophyton rubrum* and *Streptococcus gordonii*.

GRAM STAIN

Specimen GS-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram negative	59	86.8%	Acceptable
Gram positive	9	13.2%	

Gram Stain Morphology

Rods/bacilli	27	42.9%
Cocco-bacilli	18	28.6%
Diplococci	13	20.6%
Cocci	3	4.8%
Cocci in chains	1	1.6%
Cocci in pairs	1	1.6%

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

Specimen GS-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram positive	68	98.6%	Acceptable
Gram negative	1	1.5%	

Gram Stain Morphology

Cocci	33	52.4%
Cocci in pairs	24	38.1%
Diplococci	4	6.4%
Cocci in chains	2	3.2%

Organism present in specimen GS-2: *Staphylococcus epidermidis*.

GRAM STAIN

Specimen GS-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram positive	65	94.2%	Acceptable
Gram negative	4	5.8%	

Gram Stain Morphology

Cocci in chains	61	96.8%
Cocci	1	1.6%
Rods/bacilli	1	1.6%

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

Specimen GS-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram negative	65	94.2%	Acceptable
Gram positive	4	5.8%	

Gram Stain Morphology

Rods/bacilli	62	96.9%
Cocco-bacilli	1	1.6%
Diplococci	1	1.6%

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

Specimen GS-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram negative	62	89.9%	Acceptable
Gram positive	7	10.1%	

Gram Stain Morphology

Rods/bacilli	28	45.2%
Cocco-bacilli	22	35.5%
Cocci	5	8.1%
Diplococci	5	8.1%
Cocci in pairs	2	3.2%

Organism present in specimen GS-5: *Haemophilus influenzae*.

CHLAMYDIA (ANTIGEN DETECTION)

Specimen CY-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	28	28	-
BD ProbeTec	3	3	-
Beckman (Sanofi) ACCESS	1	1	-
bioMerieux Vitek, Mini Vidas	1	1	-
BioStar OIA	3	3	-
Gen-Probe	7	7	-
Quidel QuickVue	12	12	-
Wampole Clearview	1	1	-

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

Specimen CY-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	28	27	1
BD ProbeTec	3	3	-
Beckman (Sanofi) ACCESS	1	1	-
bioMerieux Vitek, Mini Vidas	1	1	-
BioStar OIA	3	3	-
Gen-Probe	7	7	-
Quidel Quick Vue	12	11	1
Wampole Clearview	1	1	-

Organisms present in specimen CY-2: *Chlamydia trachomatis* and *Neisseria gonorrhoeae*.

Specimen CY-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	24	3	21
BD ProbeTec	3	1	2
Beckman (Sanofi) ACCESS	1	-	1
BioMerieux Vitek, Mini Vidas	1	-	1
BioStar OIA	3	1	2
Gen-Probe	7	1	6
Quidel Quick Vue	8	-	8
Wampole Clearview	1	-	1

Organism present in specimen CY-3: Negative (sterile).

CHLAMYDIA (ANTIGEN DETECTION)

Specimen CY-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	24	1	23
BD ProbeTec	3	-	3
Beckman (Sanofi) ACCESS	1	-	1
bioMerieux Vitek, Mini Vidas	1	-	1
BioStar OIA	3	-	3
Gen-Probe	7	1	6
Quidel QuickVue	8	-	8
Wampole Clearview	1	-	1

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

Specimen CY-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	24	24	-
BD ProbeTec	3	3	-
Beckman (Sanofi) ACCESS	1	1	-
bioMerieux Vitek, Mini Vidas	1	1	-
BioStar OIA	3	3	-
Gen-Probe	7	7	-
Quidel QuickVue	8	8	-
Wampole Clearview	1	1	-

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	1	-	1
BioStar OIA	2	-	2
Gen-Probe	7	-	7

Specimen CY-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	12	12	-
BD ProbeTec	2	2	-
BioStar OIA	2	2	-
Gen-Probe	7	7	-

GC (ANTIGEN DETECTION)

Specimen CY-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	12	-	12
BD ProbeTec	2	-	2
BioStar OIA	2	-	2
Gen-Probe	7	-	7

Specimen CY-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	12	12	-
BD ProbeTec	2	2	-
BioStar OIA	2	2	-
Gen-Probe	7	7	-

Specimen CY-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	12	-	12
BD ProbeTec	2	-	2
BioStar OIA	2	-	2
Gen-Probe	7	-	7

AFFIRM VP III–Gardnerella vaginalis

Specimen VP-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	36	97.3%	Acceptable
Positive	1	2.7%	

Organism present in specimen VP-1: *Candida albicans*.

Specimen VP-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	36	94.7%	Acceptable
Negative	2	5.3%	

Organism present in specimen VP-2: *Gardnerella vaginalis*.

Specimen VP-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	27	73.0%	Not graded
Negative	10	27.0%	

Organisms present in specimen VP-3: *Candida albicans* and *Gardnerella vaginalis*. This is an ungraded challenge due to less than 80% referee consensus.

AFFIRM VP III–*Gardnerella vaginalis*

Specimen VP-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	37	97.4%	Acceptable
Positive	1	2.6%	

Organism present in specimen VP-4: Negative (sterile).

Specimen VP-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	27	73.0%	Not graded
Negative	10	27.0%	

Organisms present in specimen VP-5: *Candida albicans* and *Gardnerella vaginalis*. This is an ungraded challenge due to less than 80% referee consensus.

AFFIRM VP III–*Candida* sp.

Specimen VP-1

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	38	100%	Acceptable

Specimen VP-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	37	100%	Acceptable

Specimen VP-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	38	100%	Acceptable

Specimen VP-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	37	97.4%	Acceptable
Positive	1	2.6%	

Specimen VP-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	37	97.4%	Acceptable
Negative	1	2.6%	

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

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	36	97.3%	Acceptable
Positive	1	2.7%	

Specimen VP-2

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	37	100%	Acceptable

Specimen VP-3

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	36	97.3%	Acceptable
Positive	1	2.7%	

Specimen VP-4

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	38	100%	Acceptable

Specimen VP-5

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	36	100%	Acceptable

RSV ANTIGEN DETECTION**Specimen V-1**

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	34	26	8
BD Directigen	15	12	3
Binax NOW - waived	8	8	-
BioStar OIA	10	5	5

Specimen V-1: Positive for RSV antigen.

Specimen V-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	34	4	30
BD Directigen	15	3	12
Binax NOW – waived	8	-	8
BioStar OIA	10	1	9

Specimen V-2: Negative for RSV antigen.

RSV ANTIGEN DETECTION

Specimen V-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	34	-	34
BD Directigen	15	-	15
Binax NOW – waived	8	-	8
BioStar OIA	10	-	10

Specimen V-3: Negative for RSV antigen.

Specimen V-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	34	28	6
BD Directigen	15	13	2
Binax NOW – waived	8	8	-
BioStar OIA	10	6	4

Specimen V-4: Positive for RSV antigen.

Specimen V-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	34	2	32
BD Directigen	15	1	14
Binax NOW – waived	8	-	8
BioStar OIA	10	1	9

Specimen V-5: Negative for RSV antigen.

INFLUENZA A/B ANTIGEN DETECTION

Specimen V-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	95	1	94
BioStar OIA	28	-	28
Quidel QuickVue Influenza	61	1	60
ZymeTx	4	-	4

Specimen V-1: Negative for Influenza A/B antigen.

Specimen V-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	95	94	1
BioStar OIA	28	28	-
Quidel QuickVue Influenza	61	61	-
ZymeTx	4	3	1

Specimen V-2: Positive for Influenza A/B antigen.

INFLUENZA A/B ANTIGEN DETECTION

Specimen V-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	54	54	-
BioStar OIA	25	25	-
Quidel QuickVue Influenza	26	26	-
ZymeTx	2	2	-

Specimen V-3: Positive for Influenza A/B antigen.

Specimen V-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	54	1	53
BioStar OIA	25	1	24
Quidel QuickVue Influenza	26	-	26
ZymeTx	2	-	2

Specimen V-4: Negative for Influenza A/B antigen.

Specimen V-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	54	52	2
BioStar OIA	25	24	1
Quidel QuickVue Influenza	26	26	-
ZymeTx	2	1	1

Specimen V-5: Positive for Influenza A/B antigen.

INFLUENZA A ANTIGEN DETECTION

Specimen V-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	31	-	31
BD Directigen	10	-	10
Binax NOW – waived	9	-	9
BioStar Flu OIA A/B	8	-	8

Specimen V-1: Negative for Influenza A antigen.

Specimen V-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	31	29	2
BD Directigen	10	9	1
Binax NOW – waived	9	8	1
BioStar Flu OIA A/B	8	8	-

Specimen V-2: Positive for Influenza A antigen.

INFLUENZA A ANTIGEN DETECTION

Specimen V-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	26	1	25
BD Directigen	10	-	10
Binax NOW – waived	7	-	7
BioStar Flu OIA A/B	8	1	7

Specimen V-3: Negative for Influenza A antigen.

Specimen V-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	26	-	26
BD Directigen	10	-	10
Binax NOW – waived	7	-	7
BioStar Flu OIA A/B	8	-	8

Specimen V-4: Negative for Influenza A antigen.

Specimen V-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	26	23	3
BD Directigen	10	8	2
Binax NOW – waived	7	7	-
BioStar Flu OIA A/B	8	7	1

Specimen V-5: Positive for Influenza A antigen.

INFLUENZA B ANTIGEN DETECTION

Specimen V-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	25	1	24
BD Directigen	4	-	4
Binax NOW – waived	10	1	9
BioStar Flu OIA A/B	6	-	6

Specimen V-1: Negative for Influenza B antigen.

Specimen V-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	24	-	24
BD Directigen	4	-	4
Binax NOW – waived	10	-	10
BioStar Flu OIA A/B	5	-	5

Specimen V-2: Negative for Influenza B antigen.

INFLUENZA B ANTIGEN DETECTION

Specimen V-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	20	18	2
BD Directigen	4	3	1
Binax NOW – waived	7	7	-
BioStar Flu OIA A/B	6	5	1

Specimen V-3: Positive for Influenza B antigen.

Specimen V-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	20	-	20
BD Directigen	4	-	4
Binax NOW – waived	7	-	7
BioStar Flu OIA A/B	6	-	6

Specimen V-4: Negative for Influenza B antigen.

Specimen V-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	20	-	20
BD Directigen	4	-	4
Binax NOW – waived	7	-	7
BioStar Flu OIA A/B	6	-	6

Specimen V-5: Negative for Influenza B antigen.

LEGIONELLA ANTIGEN DETECTION

Specimen L-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	151	1	150

Specimen L-1: Negative for *Legionella* antigen.

Specimen L-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	151	151	-

Specimen L-2: Positive for *Legionella* antigen.

LEGIONELLA ANTIGEN DETECTION

Specimen L-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	151	151	-

Specimen L-3: Positive for *Legionella* antigen.

Specimen L-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	151	1	150

Specimen L-4: Negative for *Legionella* antigen.

Specimen L-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	151	-	151

Specimen L-5: Negative 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	20	20	-
Alexon (Hycor)	1	1	-
Becton Dickinson Toxin CD	1	1	-
bioMerieux Vitek, Mini Vidas	2	2	-
Biosite Triage	7	7	-
BioStar OIA	8	8	-

Specimen AG-1: Positive for *Clostridium difficile* antigen.

Specimen AG-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	19	1	18
Alexon (Hycor)	1	1	-
Becton Dickinson Toxin CD	1	-	1
bioMerieux Vitek, Mini Vidas	2	-	2
Biosite Triage	7	-	7
BioStar OIA	7	-	7

Specimen AG-2: Negative for *Clostridium difficile* antigen.

CLOSTRIDIUM DIFFICILE TOXIN ANTIGEN DETECTION

Specimen AG-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	19	-	19
Alexon (Hycor)	1	-	1
Becton Dickinson Toxin CD	1	-	1
bioMerieux Vitek, Mini Vidas	2	-	2
Biosite Triage	7	-	7
BioStar OIA	8	-	8

Specimen AG-3: Negative for *Clostridium difficile* antigen.

Specimen AG-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	19	-	19
Alexon (Hycor)	1	-	1
Becton Dickinson Toxin CD	1	-	1
bioMerieux Vitek, Mini Vidas	2	-	2
Biosite Triage	7	-	7
BioStar OIA	8	-	8

Specimen AG-4: Negative for *Clostridium difficile* antigen.

Specimen AG-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	19	19	-
Alexon (Hycor)	1	1	-
Becton Dickinson Toxin CD	1	1	-
bioMerieux Vitek, Mini Vidas	2	2	-
Biosite Triage	7	7	-
BioStar OIA	8	8	-

Specimen AG-5: Positive for *Clostridium difficile* antigen.

ROTAVIRUS ANTIGEN DETECTION

Specimen AG-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	11	-	11
Meridian ImmunoCard	6	-	6

Specimen AG-1: Negative for Rotavirus antigen.

ROTAVIRUS ANTIGEN DETECTION

Specimen AG-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	10	-	10
Meridian ImmunoCard	5	-	5

Specimen AG-2: Negative for Rotavirus antigen.

Specimen AG-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	11	11	-
Meridian ImmunoCard	6	6	-

Specimen AG-3: Positive for Rotavirus antigen.

Specimen AG-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	11	11	-
Meridian ImmunoCard	6	6	-

Specimen AG-4: Positive for Rotavirus antigen.

Specimen AG-5

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	11	-	11
Meridian ImmunoCard	6	-	6

Specimen AG-5: Negative for Rotavirus antigen.

CRYPTOSPORIDIUM ANTIGEN DETECTION

Specimen AG-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	5	-	5
Becton Dickinson ColorPAC	2	-	2
Biosite Triage	1	-	1
Meridian ImmunoCard	1	-	1

Specimen AG-1: Negative for *Cryptosporidium* antigen.

CRYPTOSPORIDIUM ANTIGEN DETECTION

Specimen AG-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	5	4	1
Becton Dickinson ColorPAC	2	2	-
Biosite Triage	1	-	1
Meridian ImmunoCard	1	1	-

Specimen AG-2: Positive for *Cryptosporidium* antigen.

GIARDIA LAMBLIA ANTIGEN DETECTION

Specimen AG-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	10	1	9
Alexon (Hycor)	4	1	3
Becton Dickinson ColorPAC	2	-	2
Biosite Triage	1	-	1
Meridian Immunocard	1	-	1
Remel RIM Immuno	1	-	1

Specimen AG-1: Negative for *Giardia lamblia* antigen.

Specimen AG-2

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
All Methods	10	8	2
Alexon (Hycor)	4	3	1
Becton Dickinson ColorPAC	2	2	-
Biosite Triage	1	-	1
Meridian Immunocard	1	1	-
Remel RIM Immuno	1	1	-

Specimen AG-2: Positive for *Giardia lamblia* antigen.

STREPTOCOCCUS PNEUMONIAE ANTIGEN

Specimen SP-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	76	-	76

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	77	77	-

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

STREPTOCOCCUS PNEUMONIAE ANTIGEN

Specimen SP-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	77	77	-

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

Specimen SP-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	76	-	76

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	77	77	-

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

PARASITOLOGY

The parasites that are present in each parasitology specimen are as follows:

PVA Slide

PA-1 – No parasite seen

PA-2 – Entamoeba histolytica

Fecal Suspension

PA-3 – Taenia sp. Eggs

PA-4 – Schistosoma mansoni eggs

Blood Smear for Parasites

PA-5 – Plasmodium vivax

INTERNATIONAL PARASITOLOGY

The parasites that are present in each parasitology specimen are as follows:

Fecal Suspension

FP-1 – Trichuris trichiura eggs and Ascaris lumbricoides

FP-2 – Strongyloides stercoralis larvae

FP-3 – Taenia sp. Eggs

FP-4 – Schistosoma mansoni eggs

Blood Smear for Parasites

FP-5 – Plasmodium vivax

SUMMARY OF ISOLATES FOUND IN THE 2004 MLE-M1 CULTURE SPECIMENS

Organism	ATCC Strain
<i>Enterococcus faecalis</i>	29212
<i>Klebsiella oxytoca</i>	8724
<i>Pasteurella multocida</i>	43137
<i>Staphylococcus epidermidis</i>	14990
<i>Neisseria sicca</i>	29256
<i>Staphylococcus aureus</i>	25923
<i>Lactobacillus casei</i>	393
<i>Streptococcus sp. Group B</i>	12386
<i>Corynebacterium sp.</i>	49528
<i>Citrobacter freundii</i>	8090
<i>Neisseria gonorrhoeae</i>	19424
<i>Gardnerella vaginalis</i>	14018
<i>Neisseria mucosa</i>	19695
<i>Streptococcus pyogenes</i>	19615
<i>Streptococcus pneumoniae</i>	6305
<i>Escherichia coli</i>	25922
<i>Campylobacter jejuni</i>	33292
<i>Streptococcus gordonii</i>	35557

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