

MEDICAL LABORATORY EVALUATION

PARTICIPANT SUMMARY

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Microbiology
2019 MLE-M2



Total Commitment to Education and Service
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Table of Contents

Evaluation Criteria..... 2

Microbiology

MRSA Culture	3	GC (Antigen Detection)	23
Strep A Antigen Detection.....	4	Cryptosporidium Antigen Detection	25
Miscellaneous Cultures	8	Giardia lamblia Antigen Detection.....	26
Throat Culture	9	RSV Antigen Detection.....	27
Urine Culture	10	Influenza A/B Antigen Detection.....	28
Gram Stain & Morphology.....	10	Influenza A Antigen Detection	30
Antimicrobial Susceptibility Testing	12	Influenza B Antigen Detection	32
Genital Culture	13	Clostridioides difficile Antigen Detection	34
Gram Stain & Morphology.....	13	Rotavirus Antigen Detection.....	35
Colony Count/Urine Presumptive ID	15	Legionella Antigen Detection.....	36
Gram Stain & Morphology.....	15	Streptococcus pneumoniae Antigen Detection	37
Gram Stain.....	17	Parasitology	38
Affirm VP III		Dermatophyte Culture	39
Trichomonas vaginalis.....	19	Bacterial Vaginosis Screen (OSOM).....	40
Gardnerella vaginalis	20	Trichomonas vaginalis Screen (OSOM)	40
Candida sp.	21		
Chlamydia (Antigen Detection).....	22		

Evaluation Criteria

The evaluation criteria used in the 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.

Affirm VP III Candida Antigen Detection	80% Consensus	Gram Stain Morphology	80% Consensus
Affirm VP III Gardnerella Ag Detection	80% Consensus	Influenza A Antigen Detection	80% Consensus
Affirm VP III Trichomonas Ag Detection	80% Consensus	Influenza A/B Antigen Detection	80% Consensus
Antimicrobial Susceptibility Testing	80% Consensus	Influenza B Antigen Detection	80% Consensus
Bacterial Identification (Cultures)	80% Consensus	Legionella Antigen Detection	80% Consensus
Bacterial Vaginosis (OSOM)	80% Consensus	MRSA Culture	80% Consensus
Chlamydia (EIA, DNA)	80% Consensus	Parasite Identification	80% Consensus
Clostridioides difficile Antigen Detection	80% Consensus	Rotavirus Antigen Detection	80% Consensus
Colony Count	80% Consensus	RSV Antigen Detection	80% Consensus
Cryptosporidium Antigen Detection	80% Consensus	Strep A Antigen Detection	80% Consensus
Dermatophyte Culture	80% Consensus	Streptococcus pneumoniae Antigen Detection	80% Consensus
GC (EIA, DNA)	80% Consensus	Trichomonas vaginalis (OSOM)	80% Consensus
Giardia lamblia Antigen Detection	80% Consensus	Urine Presumptive Identification	80% Consensus
Gram Stain	80% Consensus		

METHICILLIN-RESISTANT STAPHYLOCOCCUS AUREUS CULTURE

Specimen MSA-6

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

Organism(s) present: *Staphylococcus hominis* and *Streptococcus salivarius*.

Specimen MSA-7

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

Organism(s) present: *Staphylococcus aureus* - Methicillin resistant and *Micrococcus luteus*.

Specimen MSA-8

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

Organism(s) present: *Staphylococcus aureus* - Methicillin resistant and *Streptococcus pneumoniae*.

Specimen MSA-9

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

Organism(s) present: *Staphylococcus aureus* - Methicillin resistant and *Streptococcus dysgalactiae*.

Specimen MSA-10

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

Organism(s) present: *Providencia stuartii*.

STREP A ANTIGEN DETECTION

Specimen RS-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	477	467	10
Abbott Signify Strep A-waived	2	2	-
Alere Acceava Strep A Test	8	8	-
Alere i Instrument - waived	16	16	-
BD Chek Strep A	1	1	-
BD Veritor - waived	7	7	-
Beckman Coulter ICON DS	5	5	-
Beckman Coulter ICON SC	1	1	-
Cardinal Health Strep A - waived	7	7	-
Cepheid GeneXpert - waived	8	8	-
Consult Diagnostic Strep A Dipstick - Waived	68	67	1
Fisher HealthCare Sure-Vue - waived	2	2	-
Germaine Laboratories StrepAim	1	1	-
Henry Schein One Step+ - waived	45	45	-
Jant Pharmacal Accustrip	1	1	-
McKesson Strep A Dipstick	13	12	1
Medline Strep A Test Strip	6	5	1
Meridian Illumigene	1	1	-
Meridian ImmunoCard STAT - waived	11	11	-
NDC Pro Advantage	1	1	-
Other Waived Method	9	8	1
Quidel QuickVue Dipstick Strep	40	39	1
Quidel QuickVue In-Line	41	37	4
Quidel QuickVue+	8	8	-
Quidel Sofia / Sofia 2 - waived	2	2	-
Quidel Sofia Strep A - moderate	2	2	-
Quidel Sofia Strep A+ - waived	17	16	1
Quidel Solana	3	3	-
Roche cobas Liat	6	6	-
Sekisui OSOM	95	95	-
Sekisui OSOM Ultra -waived	39	39	-
Stanbio QuStick Strep A	1	1	-

STREP A ANTIGEN DETECTION

Specimen RS-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	473	9	464
Abbott Signify Strep A-waived	2	-	2
Alere Acceava Strep A Test	8	-	8
Alere i Instrument - waived	16	-	16
BD Chek Strep A	1	-	1
BD Veritor - waived	6	-	6
Beckman Coulter ICON DS	5	-	5
Beckman Coulter ICON SC	1	-	1
Cardinal Health Strep A - waived	7	-	7
Cepheid GeneXpert - waived	8	-	8
Consult Diagnostic Strep A Dipstick - Waived	68	2	66
Fisher HealthCare Sure-Vue - waived	2	-	2
Germaine Laboratories StrepAim	1	-	1
Henry Schein One Step+ - waived	45	-	45
Jant Pharmacal Accustrip	1	-	1
McKesson Strep A Dipstick	12	1	11
Medline Strep A Test Strip	6	1	5
Meridian Illumigene	1	1	-
Meridian ImmunoCard STAT - waived	11	-	11
NDC Pro Advantage	1	-	1
Other Waived Method	9	1	8
Quidel QuickVue Dipstick Strep	39	1	38
Quidel QuickVue In-Line	40	-	40
Quidel QuickVue+	8	-	8
Quidel Sofia / Sofia 2 - waived	2	-	2
Quidel Sofia Strep A - moderate	2	-	2
Quidel Sofia Strep A+ - waived	17	1	16
Quidel Solana	3	1	2
Roche cobas Liat	6	-	6
Sekisui OSOM	95	-	95
Sekisui OSOM Ultra -waived	39	-	39
Stanbio QuStick Strep A	1	-	1

STREP A ANTIGEN DETECTION

Specimen RS-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	64	62	2
Abbott Signify Strep A-waived	1	1	-
Alere Acceava Strep A Test	1	1	-
Alere i Instrument - waived	2	2	-
BD Veritor - waived	1	1	-
Cardinal Health Strep A - waived	1	1	-
Consult Diagnostic Strep A Dipstick - Waived	11	11	-
Henry Schein One Step+ - waived	4	4	-
McKesson Strep A Dipstick	2	2	-
Meridian Illumigene	1	1	-
Quidel QuickVue Dipstick Strep	8	8	-
Quidel QuickVue In-Line	15	13	2
Quidel QuickVue+	3	3	-
Quidel Sofia Strep A - moderate	2	2	-
Quidel Sofia Strep A+ - waived	3	3	-
Quidel Solana	3	3	-
Sekisui OSOM	1	1	-
Sekisui OSOM Ultra -waived	4	4	-

STREP A ANTIGEN DETECTION

Specimen RS-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	64	2	62
Abbott Signify Strep A-waived	1	-	1
Alere Acceava Strep A Test	1	-	1
Alere i Instrument - waived	2	-	2
BD Veritor - waived	1	-	1
Cardinal Health Strep A - waived	1	-	1
Consult Diagnostic Strep A Dipstick - Waived	11	-	11
Henry Schein One Step+ - waived	4	-	4
McKesson Strep A Dipstick	2	-	2
Meridian Illumigene	1	1	-
Quidel QuickVue Dipstick Strep	8	-	8
Quidel QuickVue In-Line	15	1	14
Quidel QuickVue+	3	-	3
Quidel Sofia Strep A - moderate	2	-	2
Quidel Sofia Strep A+ - waived	3	-	3
Quidel Solana	3	-	3
Sekisui OSOM	1	-	1
Sekisui OSOM Ultra -waived	4	-	4

Specimen RS-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	64	64	-
Abbott Signify Strep A-waived	1	1	-
Alere Acceava Strep A Test	1	1	-
Alere i Instrument - waived	2	2	-
BD Veritor - waived	1	1	-
Cardinal Health Strep A - waived	1	1	-
Consult Diagnostic Strep A Dipstick - Waived	11	11	-
Henry Schein One Step+ - waived	4	4	-
McKesson Strep A Dipstick	2	2	-
Meridian Illumigene	1	1	-
Quidel QuickVue Dipstick Strep	8	8	-
Quidel QuickVue In-Line	15	15	-
Quidel QuickVue+	3	3	-
Quidel Sofia Strep A - moderate	2	2	-
Quidel Sofia Strep A+ - waived	3	3	-
Quidel Solana	3	3	-
Sekisui OSOM	1	1	-
Sekisui OSOM Ultra -waived	4	4	-

MISCELLANEOUS CULTURES

Specimen BA-4 – Blood Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Aerococcus viridans	4	75.00%	Acceptable
Aerococcus sp.	1	25.00%	Acceptable

Organism(s) present: *Aerococcus viridans*.

Specimen BA-5 – Sputum Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Streptococcus anginosus	2	33.33%	Acceptable
Micrococcus luteus	2	33.33%	Acceptable
Micrococcus sp.	1	16.67%	Acceptable
Strep – beta hemo; not Grp A	1	16.67%	Acceptable

Organism(s) present: *Streptococcus anginosus* and *Micrococcus luteus*.

Specimen BA-6 – Stool Culture

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Yersinia enterocolitica	2	40.00%	Acceptable
Yersinia sp.	1	20.00%	Acceptable
Streptococcus constellatus	1	20.00%	Acceptable
Presump. Streptococcus sp.	1	20.00%	Acceptable

Organism(s) present: *Yersinia enterocolitica* and *Streptococcus constellatus*.

THROAT CULTURE

Specimen TC-6

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for Group A Strep	41	48.81%	Acceptable
Strep – beta hemo; not Grp A	2	2.37%	Acceptable
Presump. Pos Group A Strep	21	25.00%	Acceptable (see critique below)
Positive for Group A Strep	20	23.81%	

Organism(s) present: *Neisseria gonorrhoeae* and *Streptococcus dysgalactiae*. This challenge was graded by 80% referee consensus.

Streptococcus dysgalactiae is a beta hemolytic gram-positive coccus belonging to Lancefield groups C and G. It is a recognized human pathogen, causing infections of the upper respiratory tract, gastrointestinal tract and the female genital tract. Clinically, symptoms often mimic those seen in group A strep infections.

Not all beta hemolytic streptococci are group A. *Streptococcus dysgalactiae* shows beta hemolysis on blood agar and appears as small (about 1 mm in diameter) translucent colonies after incubation for 24 h at 37°C. Bacitracin/Taxo A discs are routinely used to determine the presence or absence of group A streptococci. Some non-group A beta hemolytic streptococci, like *Streptococcus dysgalactiae*, may appear to have a zone of inhibition. According to the details of the Bacitracin/Taxo A disc package insert, these zones of inhibition are considered false positives.

Use of the Bacitracin/Taxo A is considered only a presumptive test for Group A Strep. It is recommended that cultures reported as presumptive positive for group A streptococcus be confirmed by biochemical and/or serological tests on colonies from pure culture for complete identification.

Specimen TC-7

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive for Group A Strep	52	62.65%	Acceptable
Presump. Pos. Group A Strep	27	32.53%	Acceptable
Streptococcus pyogenes	1	1.20%	Acceptable

Organism(s) present: *Streptococcus pyogenes*.

Specimen TC-8

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presump. Pos. Group A Strep	25	48.08%	Acceptable
Positive for Group A Strep	24	46.15%	Acceptable

Organism(s) present: *Streptococcus pyogenes*.

Specimen TC-9

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive for Group A Strep	25	50.00%	Acceptable
Presump. Pos. Group A Strep	24	48.00%	Acceptable

Organism(s) present: *Streptococcus pyogenes*.

THROAT CULTURE

Specimen TC-10

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for Group A Strep	47	94.00%	Acceptable

Organism(s) present: *Haemophilus parahaemolyticus* and *Streptococcus mitis*.

URINE CULTURE

Specimen UC-6

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Staphylococcus aureus	36	75.00%	Acceptable
Growth, referred for identification	7	14.58%	Acceptable
Presump. Gram positive	2	4.17%	Acceptable
Presump. Staphylococcus sp.	2	4.17%	Acceptable
Gram positive cocci	1	2.08%	Acceptable

Gram Stain

Gram positive	22	100%	Acceptable
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Gram Stain Morphology

Cocci	22	100%	Acceptable
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Organism(s) present: *Staphylococcus aureus*.

Specimen UC-7

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Growth, referred for identification	22	31.88%	Acceptable
Streptococcus alpha-hemolytic	18	26.09%	Acceptable
Pseudomonas sp.	13	18.84%	Acceptable
Pseudomonas fluorescens	4	5.80%	Acceptable
Gram negative bacilli	3	4.35%	Acceptable
Presump. Gram negative	3	4.35%	Acceptable
Presump. Gram positive	3	4.35%	Acceptable
Streptococcus viridans group	1	1.45%	Acceptable
Streptococcus salivarius	1	1.45%	Acceptable

Organism(s) present: *Pseudomonas fluorescens* and *Streptococcus salivarius*.

URINE CULTURE

Specimen UC-8

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Proteus mirabilis	17	58.62%	Acceptable
Proteus sp.	3	10.34%	Acceptable
Growth, referred for identification	3	10.34%	Acceptable
Presump. Gram negative	3	10.34%	Acceptable
Presump. Proteus sp.	2	6.90%	Acceptable
Gram negative bacilli	1	3.45%	Acceptable

Organism(s) present: Proteus mirabilis.

Specimen UC-9

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Enterococcus sp.	7	50.00%	Acceptable
Growth, referred for identification	3	21.43%	Acceptable
Presump. Enterococcus sp.	2	14.29%	Acceptable
Enterococcus faecium	1	7.14%	Acceptable

Organism(s) present: *Enterococcus faecium*.

Specimen UC-10

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Growth, referred for identification	6	30.00%	Acceptable
Staph – coagulase negative	3	15.00%	Acceptable
Aerococcus urinae	3	15.00%	Acceptable
Staphylococcus epidermidis	2	10.00%	Acceptable
Presump. Gram positive	2	10.00%	Acceptable
Presump. Staphylococcus sp.	2	10.00%	Acceptable
Staphylococcus sp.	1	5.00%	Acceptable

Organism(s) present: *Aerococcus urinae* and *Staphylococcus epidermidis*.

ANTIMICROBIAL SUSCEPTIBILITY TESTING

Specimen UC-6, CC-6 (SUS-6) Organism(s) present: *Staphylococcus aureus*.

<u>Antimicrobial</u>	<u>-----Disk 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>	
Amoxicillin/Clavulanate	-	-	-	-	5	5	-	-	100.00%
Ampicillin	7	-	-	7	1	-	-	1	Inappropriate drug ¹
Ampicillin/Sulbactam	-	-	-	-	1	1	-	-	Ungraded ²
Cefazolin	14	14	-	-	1	1	-	-	100.00%
Cefoxitin	17	17	-	-	-	-	-	-	100.00%
Ceftaroline	-	-	-	-	1	1	-	-	Ungraded ²
Ceftazidime	1	1	-	-	-	-	-	-	Inappropriate drug ¹
Ceftriaxone	1	1	-	-	-	-	-	-	Ungraded ²
Ciprofloxacin	31	31	-	-	2	2	-	-	100.00%
Clindamycin	1	1	-	-	1	1	-	-	100.00%
Daptomycin	-	-	-	-	1	1	-	-	Ungraded ²
Gentamicin	14	14	-	-	2	2	-	-	100.00%
Levofloxacin	6	6	-	-	2	2	-	-	100.00%
Linezolid	2	2	-	-	3	3	-	-	100.00%
Moxifloxacin	-	-	-	-	1	1	-	-	Ungraded ²
Nitrofurantoin	26	26	-	-	3	3	-	-	100.00%
Oxacillin	24	24	-	-	3	3	-	-	100.00%
Penicillin	20	-	-	20	3	-	-	3	100.00%
Quinupristin/Dalfopristin	-	-	-	-	1	1	-	-	Ungraded ²
Rifampin	-	-	-	-	5	5	-	-	100.00%
Tetracycline	9	9	-	-	2	2	-	-	100.00%
Trimethoprim	5	3	-	2	-	-	-	-	Ungraded ³
Trimethoprim/Sulfamethoxazole	36	35	-	1	3	3	-	-	97.50%
Vancomycin	1	1	-	-	4	4	-	-	100.00%

NOTE: Please be aware that CLSI issues annual editions of M100, the standards used by all proficiency testing programs for grading of susceptibilities. Drugs considered appropriate may change significantly with subsequent editions. The current edition of the CLSI M100 document is accessible online at CLSI.org under Standards>Free Resources.

¹ Inappropriate method reported for this drug.

² This is an ungraded challenge due to lack of comparison group.

³ This is an ungraded challenge due to lack of participant consensus.

GENITAL CULTURE

Specimen GC-6

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for N gonorrhoeae	17	45.95%	Acceptable
Streptococcus agalactiae	16	43.24%	Acceptable
Gram positive cocci	1	2.70%	Acceptable

Gram Stain

Gram positive	9	100%	Acceptable
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Gram Stain Morphology

Cocci	9	100%	Acceptable
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Organism(s) present: *Streptococcus agalactiae* and *Streptococcus salivarius*.

Specimen GC-7

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for N gonorrhoeae	8	61.54%	Acceptable
Staph – coagulase negative	2	15.38%	Acceptable
Gram positive cocci	1	7.69%	Acceptable
Staphylococcus sp.	1	7.69%	Acceptable

Organism(s) present: *Staphylococcus lugdunensis* and *Staphylococcus epidermidis*.

Specimen GC-8

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presumptive for N. gonorrhoeae	5	55.56%	Acceptable
Neisseria gonorrhoeae	4	44.44%	Acceptable

Organism(s) present: *Neisseria gonorrhoeae*.

GENITAL CULTURE

Specimen GC-9

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Presumptive for N. gonorrhea	5	83.33%	Acceptable
Neisseria gonorrhoeae	1	16.67%	

Organism(s) present: *Neisseria gonorrhoeae* and *Streptococcus dysgalactiae*.

Specimen GC-10

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative for N. gonorrhoeae	6	85.71%	Acceptable
Gram positive cocci	1	14.29%	Acceptable

Organism(s) present: *Staphylococcus haemolyticus*.

COLONY COUNT/PRESUMPTIVE IDENTIFICATION

Specimen CC-6

<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	44	8	31	2	3
Calibrated Loop	19	1	16	1	1
Uri-Check	3	2	1	-	-
Uricult	20	5	12	1	2

Identification–Specimen CC-6

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Growth, referred for identification	6	41.67%	Acceptable
Presump. Gram positive	2	16.67%	Acceptable
Presump. Staphylococcus sp.	1	8.33%	Acceptable
Staphylococcus aureus	1	8.33%	Acceptable

Organism(s) present: 50,000-75,000 CFU/mL of *Staphylococcus aureus*. This challenge was graded by 92% referee consensus.

Specimen CC-7

<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	44	23	14	5	2
Calibrated Loop	19	2	10	5	2
Uri-Check	3	3	-	-	-
Uricult	20	16	4	-	-

Identification–Specimen CC-7

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Growth, referred for identification	6	60.77%	Acceptable
Streptococcus salivarius	1	7.69%	Acceptable
Pseudomonas fluorescens	1	7.69%	Acceptable

Organism(s) present: >100,000 CFU/mL of *Pseudomonas fluorescens* and <10,000 CFU/mL of *Streptococcus salivarius*. This challenge was graded by 80% referee consensus.

COLONY COUNT/PRESUMPTIVE IDENTIFICATION

Identification–Specimen CC-8

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Growth, referred for identification	5	50.00%	Acceptable
Presump. Gram negative	3	30.00%	Acceptable
Presump. Proteus sp.	1	10.00%	Acceptable
Proteus mirabilis	1	10.00%	Acceptable

Organism(s) present: 50,000-75,000 CFU/mL of *Proteus mirabilis*.

Identification–Specimen CC-9

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Growth, referred for identification	5	50.00%	Acceptable
Presump. Gram negative	2	20.00%	Acceptable
Presump. Enterococcus sp.	2	20.00%	Acceptable
Enterococcus faecium	1	10.00%	Acceptable

Organism(s) present: >100,000 CFU/mL of *Enterococcus faecium*.

Identification–Specimen CC-10

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Growth, referred for identification	6	54.55%	Acceptable
Presump. Gram negative	2	18.18%	Acceptable
Presump. Staphylococcus sp.	1	9.09%	Acceptable
Staphylococcus epidermidis	1	9.09%	Acceptable

Organism(s) present: >100,000 CFU/mL of *Aerococcus urinae* and 50,000-75,000 CFU/mL of *Staphylococcus epidermidis*.

GRAM STAIN

Specimen GS-6

<u>Reaction</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram positive	15	100%	Acceptable

Gram Stain Morphology

Cocci	11	100%	Acceptable
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Organism(s) present: *Staphylococcus aureus*.

Specimen GS-7

<u>Reaction</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram positive	14	93.33%	Acceptable
Gram negative	1	6.67%	

Gram Stain Morphology

Cocci	9	81.82%	Acceptable
Diplococci	1	9.09%	
Coccobacilli	1	9.09%	

Organism(s) present: *Streptococcus anginosus*.

GRAM STAIN

Specimen GS-8

<u>Reaction</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram negative	15	100%	Acceptable

Gram Stain Morphology

Diplococci	9	75.00%	Acceptable
Cocci	3	25.00%	

Organism(s) present: *Neisseria meningitidis*.

Specimen GS-9

<u>Reaction</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram negative	15	100%	Acceptable

Gram Stain Morphology

Rods/bacilli	10	83.33%	Acceptable
Coccobacilli	2	16.67%	

Organism(s) present: *Klebsiella pneumoniae*.

Specimen GS-10

<u>Reaction</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Gram negative	15	100%	Acceptable

Gram Stain Morphology

Rods/bacilli	12	100%	Acceptable
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Organism(s) present: *Stenotrophomonas maltophilia*.

AFFIRM VP III–Trichomonas vaginalis

Specimen VP-6

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	28	100%	Acceptable

Organism(s) present: *Gardnerella vaginalis*.

Specimen VP-7

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	28	100%	Acceptable

Organism(s) present: *Candida* species and *Trichomonas vaginalis*.

Specimen VP-8

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	28	100%	Acceptable

Organism(s) present: *Escherichia coli*.

Specimen VP-9

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	28	100%	Acceptable

Organism(s) present: *Candida* species.

Specimen VP-10

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	28	100%	Acceptable

Organism(s) present: *Trichomonas vaginalis*.

AFFIRM VP III–Gardnerella vaginalis

Specimen VP-6

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	28	100%	Acceptable

Organism(s) present: *Gardnerella vaginalis*.

Specimen VP-7

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	28	100%	Acceptable

Organism(s) present: *Candida* species and *Trichomonas vaginalis*.

Specimen VP-8

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	28	100%	Acceptable

Organism(s) present: *Escherichia coli*.

Specimen VP-9

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	28	100%	Acceptable

Organism(s) present: *Candida* species.

Specimen VP-10

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	28	100%	Acceptable

Organism(s) present: *Trichomonas vaginalis*.

AFFIRM VP III–Candida sp.

Specimen VP-6

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	28	100%	Acceptable

Organism(s) present: *Gardnerella vaginalis*.

Specimen VP-7

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	28	100%	Acceptable

Organism(s) present: *Candida* species and *Trichomonas vaginalis*

Specimen VP-8

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	28	100%	Acceptable

Organism(s) present: *Escherichia coli*.

Specimen VP-9

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Positive	27	96.43%	Acceptable
Negative	1	3.57%	

Organism(s) present: *Candida* species.

Specimen VP-10

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Negative	28	100%	Acceptable

Organism(s) present: *Trichomonas vaginalis*.

CHLAMYDIA (ANTIGEN DETECTION)

Specimen CY-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	19	19	-
BD Max	1	1	-
BD ProbeTec	3	3	-
BD Viper	1	1	-
Cepheid GeneXpert - moderate	9	9	-
Quidel QuickVue	3	3	-
Roche COBAS Amplicor	1	1	-

Antigen(s) present: *Chlamydia trachomatis*.

Specimen CY-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	19	19	-
BD Max	1	1	-
BD ProbeTec	3	3	-
BD Viper	1	1	-
Cepheid GeneXpert - moderate	9	9	-
Quidel QuickVue	3	3	-
Roche COBAS Amplicor	1	1	-

Antigen(s) present: *Neisseria gonorrhoeae* and *Chlamydia trachomatis*.

Specimen CY-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	17	1	16
BD Max	1	-	1
BD ProbeTec	3	-	3
BD Viper	1	-	1
Cepheid GeneXpert - moderate	9	-	9
Quidel QuickVue	1	-	1
Roche COBAS Amplicor	1	1	-

Antigen(s) present: No antigen present.

Specimen CY-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	17	1	16
BD Max	1	1	-
BD ProbeTec	3	-	3
BD Viper	1	-	1
Cepheid GeneXpert - moderate	9	-	9
Quidel QuickVue	1	-	1
Roche COBAS Amplicor	1	-	1

Antigen(s) present: No antigen present.

CHLAMYDIA (ANTIGEN DETECTION)

Specimen CY-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	17	1	16
BD Max	1	1	-
BD ProbeTec	3	-	3
BD Viper	1	-	1
Cepheid GeneXpert - moderate	9	-	9
Quidel QuickVue	1	-	1
Roche COBAS Amplicor	1	-	1

Antigen(s) present: No antigen present.

GC (ANTIGEN DETECTION)

Specimen CY-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	16	-	16
BD Max	1	-	1
BD ProbeTec	3	-	3
BD Viper	1	-	1
Cepheid GeneXpert - moderate	9	-	9
Roche COBAS Amplicor	1	-	1

Antigen(s) present: *Chlamydia trachomatis*.

Specimen CY-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	16	16	-
BD Max	1	1	-
BD ProbeTec	3	3	-
BD Viper	1	1	-
Cepheid GeneXpert - moderate	9	9	-
Roche COBAS Amplicor	1	1	-

Antigen(s) present: *Neisseria gonorrhoeae* and *Chlamydia trachomatis*.

Specimen CY-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	16	16	-
BD Max	1	1	-
BD ProbeTec	3	3	-
BD Viper	1	1	-
Cepheid GeneXpert - moderate	9	9	-
Roche COBAS Amplicor	1	1	-

Antigen(s) present: *Neisseria gonorrhoeae*.

GC (ANTIGEN DETECTION)

Specimen CY-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	16	16	-
BD Max	1	1	-
BD ProbeTec	3	3	-
BD Viper	1	1	-
Cepheid GeneXpert - moderate	9	9	-
Roche COBAS Amplicor	1	1	-

Antigen(s) present: *Neisseria gonorrhoeae*.

Specimen CY-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	16	16	-
BD Max	1	1	-
BD ProbeTec	3	3	-
BD Viper	1	1	-
Cepheid GeneXpert - moderate	9	9	-
Roche COBAS Amplicor	1	1	-

Antigen(s) present: *Neisseria gonorrhoeae*.

CRYPTOSPORIDIUM ANTIGEN DETECTION

Specimen LC-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	2	2	-
Alere CRYPTOSPORIDIUM II	1	1	-

Antigen(s) present: *Cryptosporidium*.

Specimen LC-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	2	-	2
Alere CRYPTOSPORIDIUM II	1	-	1

Antigen(s) present: *Giardia lamblia*.

Specimen LC-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	2	2	-
Alere CRYPTOSPORIDIUM II	1	1	-

Antigen(s) present: *Cryptosporidium* and *Giardia lamblia*.

Specimen LC-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	2	2	-
Alere CRYPTOSPORIDIUM II	1	1	-

Antigen(s) present: *Cryptosporidium*.

Specimen LC-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	2	-	2
Alere CRYPTOSPORIDIUM II	1	-	1

Antigen(s) present: No antigen present.

GIARDIA LAMBLIA ANTIGEN DETECTION

Specimen LC-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	2	-	2
Alere GIARDIA II	1	-	1

Antigen(s) present: *Cryptosporidium*.

Specimen LC-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	2	2	-
Alere GIARDIA II	1	1	-

Antigen(s) present: *Giardia lamblia*.

Specimen LC-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	2	2	-
Alere GIARDIA II	1	1	-

Antigen(s) present: *Cryptosporidium* and *Giardia lamblia*.

Specimen LC-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	2	-	2
Alere GIARDIA II	1	-	1

Antigen(s) present: *Cryptosporidium*.

Specimen LC-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	2	-	2
Alere GIARDIA II	1	-	1

Antigen(s) present: No antigen present.

RSV ANTIGEN DETECTION

Specimen V-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	72	70	2
Alere Binax NOW - waived	36	34	2
BD Veritor - moderate	3	3	-
BD Veritor - waived	2	2	-
Quidel QuickVue RSV - waived	9	9	-
Quidel QuickVue RSV 10 Test	2	2	-
Quidel Sofia / Sofia 2 - waived	13	13	-
Roche cobas Liat	6	6	-

Antigen(s) present: RSV.

Specimen V-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	73	2	71
Alere Binax NOW - waived	36	1	35
BD Veritor - moderate	3	-	3
BD Veritor - waived	2	-	2
Quidel QuickVue RSV - waived	9	-	9
Quidel QuickVue RSV 10 Test	2	-	2
Quidel Sofia / Sofia 2 - waived	13	-	13
Roche cobas Liat	6	-	6

Antigen(s) present: Influenza A.

Specimen V-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	17	-	17
Alere Binax NOW - waived	3	-	3
BD Veritor - moderate	3	-	3
BD Veritor - waived	1	-	1
Quidel QuickVue RSV - waived	3	-	3
Quidel QuickVue RSV 10 Test	2	-	2
Quidel Sofia / Sofia 2 - waived	5	-	5

Antigen(s) present: Influenza B.

RSV ANTIGEN DETECTION

Specimen V-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	17	-	17
Alere Binax NOW - waived	3	-	3
BD Veritor - moderate	3	-	3
BD Veritor - waived	1	-	1
Quidel QuickVue RSV - waived	3	-	3
Quidel QuickVue RSV 10 Test	2	-	2
Quidel Sofia / Sofia 2 - waived	5	-	5

Antigen(s) present: No antigen present.

Specimen V-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	17	-	17
Alere Binax NOW - waived	3	-	3
BD Veritor - moderate	3	-	3
BD Veritor - waived	1	-	1
Quidel QuickVue RSV - waived	3	-	3
Quidel QuickVue RSV 10 Test	2	-	2
Quidel Sofia / Sofia 2 - waived	5	-	5

Antigen(s) present: Influenza B.

INFLUENZA A/B ANTIGEN DETECTION

Specimen V-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	24	1	23
BD Veritor - moderate	1	-	1
BD Veritor - waived	1	-	1
BioSign Flu A+B	3	1	2
McKesson Consult Diag. Flu A & B	2	-	2
Other Waived Method	4	-	4
Quidel QuickVue Influenza	3	-	3
Quidel QuickVue Influenza A+B	1	-	1
Quidel Sofia / Sofia 2 - waived	2	-	2
Roche cobas Liat	1	-	1
Sekisui OSOM Ultra -waived	1	-	1

Antigen(s) present: RSV.

INFLUENZA A/B ANTIGEN DETECTION

Specimen V-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	23	21	2
BD Veritor - moderate	1	1	-
BD Veritor - waived	1	1	-
BioSign Flu A+B	3	2	1
McKesson Consult Diag. Flu A & B	2	2	-
Other Waived Method	4	3	1
Quidel QuickVue Influenza	3	3	-
Quidel QuickVue Influenza A+B	1	1	-
Quidel Sofia / Sofia 2 - waived	2	2	-
Roche cobas Liat	1	1	-
Sekisui OSOM Ultra -waived	1	1	-

Antigen(s) present: Influenza A.

Specimen V-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	5	5	-

Antigen(s) present: Influenza B.

Specimen V-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	5	-	5

Antigen(s) present: No antigen present.

Specimen V-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	5	5	-

Antigen(s) present: Influenza B.

INFLUENZA A ANTIGEN DETECTION

Specimen V-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	297	6	291
Abbott ID NOW	1	-	1
Alere i Instrument - moderate	1	-	1
Alere i Instrument - waived	9	-	9
Alere Influenza A&B	2	-	2
BD Veritor - moderate	5	-	5
BD Veritor - waived	43	2	41
BioSign Flu A+B	3	-	3
Cepheid GeneXpert - waived	8	-	8
McKesson Consult Diag. Flu A & B	26	1	25
Meridian ImmunoCard STAT - waived	10	-	10
OraSure QuickFlu	2	-	2
Other Waived Method	1	-	1
Quidel QuickVue Influenza A+B	16	-	16
Quidel Sofia / Sofia 2 - waived	127	3	124
Quidel Solana	1	-	1
Roche cobas Liat	10	-	10
Sekisui OSOM Influenza A&B	5	-	5
Sekisui OSOM Ultra -waived	23	-	23
Sekisui Silaris	2	-	2

Antigen(s) present: RSV.

Specimen V-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	300	298	2
Abbott ID NOW	1	1	-
Alere i Instrument - moderate	1	1	-
Alere i Instrument - waived	9	9	-
Alere Influenza A&B	2	2	-
BD Veritor - moderate	5	5	-
BD Veritor - waived	45	45	-
BioSign Flu A+B	3	3	-
Cepheid GeneXpert - waived	8	8	-
McKesson Consult Diag. Flu A & B	27	27	-
Meridian ImmunoCard STAT - waived	10	10	-
OraSure QuickFlu	2	2	-
Other Waived Method	1	1	-
Quidel QuickVue Influenza A+B	16	16	-
Quidel Sofia / Sofia 2 - waived	126	124	2
Quidel Solana	1	1	-
Roche cobas Liat	10	10	-
Sekisui OSOM Influenza A&B	5	5	-
Sekisui OSOM Ultra -waived	23	23	-
Sekisui Silaris	2	2	-

Antigen(s) present: Influenza A.

INFLUENZA A ANTIGEN DETECTION

Specimen V-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	27	-	27
Alere i Instrument - waived	1	-	1
BD Veritor - moderate	5	-	5
BD Veritor - waived	1	-	1
McKesson Consult Diag. Flu A & B	2	-	2
Meridian ImmunoCard STAT - waived	7	-	7
Quidel QuickVue Influenza A+B	1	-	1
Quidel Sofia / Sofia 2 - waived	9	-	9
Quidel Solana	1	-	1

Antigen(s) present: Influenza B.

Specimen V-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	27	1	26
Alere i Instrument - waived	1	-	1
BD Veritor - moderate	5	-	5
BD Veritor - waived	1	1	-
McKesson Consult Diag. Flu A & B	2	-	2
Meridian ImmunoCard STAT - waived	7	-	7
Quidel QuickVue Influenza A+B	1	-	1
Quidel Sofia / Sofia 2 - waived	9	-	9
Quidel Solana	1	-	1

Antigen(s) present: No antigen present.

Specimen V-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	27	-	27
Alere i Instrument - waived	1	-	1
BD Veritor - moderate	5	-	5
BD Veritor - waived	1	-	1
McKesson Consult Diag. Flu A & B	2	-	2
Meridian ImmunoCard STAT - waived	7	-	7
Quidel QuickVue Influenza A+B	1	-	1
Quidel Sofia / Sofia 2 - waived	9	-	9
Quidel Solana	1	-	1

Antigen(s) present: Influenza B.

INFLUENZA B ANTIGEN DETECTION

Specimen V-1

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	295	4	291
Abbott ID NOW	1	-	1
Alere Binax NOW - waived	1	-	1
Alere i Instrument - moderate	1	-	1
Alere i Instrument - waived	9	-	9
Alere Influenza A&B	1	-	1
BD Veritor - moderate	5	-	5
BD Veritor - waived	43	2	41
BioSign Flu A+B	3	-	3
Cepheid GeneXpert - waived	8	-	8
McKesson Consult Diag. Flu A & B	26	1	25
Meridian ImmunoCard STAT - waived	10	-	10
OraSure QuickFlu	2	-	2
Other Waived Method	1	1	-
Quidel QuickVue Influenza A+B	17	-	17
Quidel Sofia / Sofia 2 - waived	126	-	126
Quidel Solana	1	-	1
Roche cobas Liat	10	-	10
Sekisui OSOM Influenza A&B	6	-	6
Sekisui OSOM Ultra -waived	21	-	21
Sekisui Silaris	1	-	1

Antigen(s) present: RSV.

Specimen V-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	300	2	298
Abbott ID NOW	1	-	1
Alere Binax NOW - waived	1	-	1
Alere i Instrument - moderate	1	-	1
Alere i Instrument - waived	9	-	9
Alere Influenza A&B	1	-	1
BD Veritor - moderate	5	-	5
BD Veritor - waived	45	-	45
BioSign Flu A+B	3	-	3
Cepheid GeneXpert - waived	8	-	8
McKesson Consult Diag. Flu A & B	27	-	27
Meridian ImmunoCard STAT - waived	10	-	10
OraSure QuickFlu	2	-	2
Other Waived Method	1	-	1
Quidel QuickVue Influenza A+B	17	-	17
Quidel Sofia / Sofia 2 - waived	127	1	126
Quidel Solana	1	-	1
Roche cobas Liat	10	-	10
Sekisui OSOM Influenza A&B	6	-	6
Sekisui OSOM Ultra -waived	21	1	20
Sekisui Silaris	1	-	1

Antigen(s) present: Influenza A.

INFLUENZA B ANTIGEN DETECTION

Specimen V-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	27	27	-
Alere i Instrument - waived	1	1	-
BD Veritor - moderate	5	5	-
BD Veritor - waived	1	1	-
McKesson Consult Diag. Flu A & B	2	2	-
Meridian ImmunoCard STAT - waived	7	7	-
Quidel QuickVue Influenza A+B	1	1	-
Quidel Sofia / Sofia 2 - waived	9	9	-
Quidel Solana	1	1	-

Antigen(s) present: Influenza B.

Specimen V-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	27	-	27
Alere i Instrument - waived	1	-	1
BD Veritor - moderate	5	-	5
BD Veritor - waived	1	-	1
McKesson Consult Diag. Flu A & B	2	-	2
Meridian ImmunoCard STAT - waived	7	-	7
Quidel QuickVue Influenza A+B	1	-	1
Quidel Sofia / Sofia 2 - waived	9	-	9
Quidel Solana	1	-	1

Antigen(s) present: No antigen present.

INFLUENZA B ANTIGEN DETECTION

Specimen V-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	27	26	1
Alere i Instrument - waived	1	1	-
BD Veritor - moderate	5	5	-
BD Veritor - waived	1	1	-
McKesson Consult Diag. Flu A & B	2	2	-
Meridian ImmunoCard STAT - waived	7	7	-
Quidel QuickVue Influenza A+B	1	1	-
Quidel Sofia / Sofia 2 - waived	9	8	1
Quidel Solana	1	1	-

Antigen(s) present: Influenza B.

CLOSTRIDIODES DIFFICILE ANTIGEN DETECTION

Specimen AG-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	6	-	6
Alere C. diff Quik Chek	6	-	6

Antigen(s) present: Rotavirus.

Specimen AG-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	6	6	-
Alere C. diff Quik Chek	6	6	-

Antigen(s) present: *Clostridioides difficile* and Rotavirus.

Specimen AG-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	6	-	6
Alere C. diff Quik Chek	6	-	6

Antigen(s) present: Rotavirus.

Specimen AG-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	6	6	-
Alere C. diff Quik Chek	6	6	-

Antigen(s) present: *Clostridioides difficile*.

CLOSTRIDIODES DIFFICILE TOXIN ANTIGEN DETECTION

Specimen AG-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	6	-	6
Alere C. diff Quik Chek	6	-	6

Antigen(s) present: No antigen present.

ROTAVIRUS ANTIGEN DETECTION

Specimen AG-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	5	5	-
Fisher HealthCare Sure-Vue	5	5	-

Antigen(s) present: Rotavirus.

Specimen AG-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	5	5	-
Fisher HealthCare Sure-Vue	5	5	-

Antigen(s) present: *Clostridioides difficile* and Rotavirus.

Specimen AG-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	5	5	-
Fisher HealthCare Sure-Vue	5	5	-

Antigen(s) present: Rotavirus.

Specimen AG-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	5	-	5
Fisher HealthCare Sure-Vue	5	-	5

Antigen(s) present: *Clostridioides difficile*.

Specimen AG-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
ALL METHODS	5	-	5
Fisher HealthCare Sure-Vue	5	-	5

Antigen(s) present: No antigen present.

LEGIONELLA ANTIGEN DETECTION

Specimen L-6

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	13	13	-

Specimen L-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	13	-	13

Specimen L-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	13	-	13

Specimen L-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	13	-	13

Specimen L-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	13	13	-

STREPTOCOCCUS PNEUMONIAE ANTIGEN**Specimen SP-6**

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	12	-	12

Specimen SP-7

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	12	12	-

Specimen SP-8

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	12	-	12

Specimen SP-9

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	12	12	-

Specimen SP-10

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Binax NOW	12	12	-

PARASITOLOGY

Specimen PA-6

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Iodamoeba buetschlii	1	100%	Acceptable

Parasite(s) present: *Iodamoeba buetschlii*.

Specimen PA-7

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Endolimax nana	1	100%	Acceptable

Parasite(s) present: *Endolimax nana*.

Specimen PA-8

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Strongyloides stercoralis larvae	1	100%	Ungraded

Parasite(s) present: *Clonorchis sinensis*. This is an ungraded challenge due to less than 80% participant consensus.

Specimen PA-9

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Ascaris lumbricoides eggs	1	100%	Acceptable

Parasite(s) present: *Ascaris lumbricoides* eggs.

Specimen PA-10

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

Parasite(s) present: No parasite present.

DERMATOPHYTE CULTURE

Specimen DM-6

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Dermatophytes absent	8	100%	Acceptable

Organism(s) present: *Streptococcus mitis*.

Specimen DM-7

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Dermatophytes present	7	87.50%	Acceptable
Dermatophytes absent	1	12.50%	

Organism(s) present: *Trichophyton tonsurans* and *Bacillus cereus*.

Specimen DM-8

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Dermatophytes present	8	100%	Acceptable

Organism(s) present: *Trichophyton mentagrophytes* and *Lactobacillus acidophilus*.

Specimen DM-9

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Dermatophytes present	7	87.50%	Acceptable
Dermatophytes absent	1	12.50%	

Organism(s) present: *Microsporum gypseum*.

Specimen DM-10

<u>Identification</u>	<u>Labs</u>	<u>Percent</u>	<u>Performance</u>
Dermatophyte absent	8	100%	Acceptable

Organism(s) present: No organism present.

BACTERIAL VAGINOSIS – OSOM - WAIVED

Specimen BV-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Sekisui OSOM	8	-	8

Antigen(s) present: No antigen present.

Specimen BV-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Sekisui OSOM	8	8	-

Antigen(s) present: *Gardnerella vaginalis*.

TRICHOMONAS VAGINALIS – OSOM - WAIVED

Specimen TR-3

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Sekisui OSOM	4	4	-

Antigen(s) present: *Trichomonas vaginalis*.

Specimen TR-4

<u>Method</u>	<u>Labs</u>	<u>Positive</u>	<u>Negative</u>
Sekisui OSOM	4	-	4

Antigen(s) present: No antigen present.

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