

CLINIC INFORMATION

PATIENT INFORMATION

SPECIMEN INFORMATION

Provider: Dr. Smith	Name: John Jones	Date Collected: 9/7/2019
	DOB: 11/2/1965	Date Received by Lab: 9/7/2019
	Gender: Male	Run Date: 9/7/2019
		Date Reported: 9/7/2019
		Source: SWAB

Controls		
Patient Extraction Control ₁	PASS	(1) Endogenous control confirms sample collection, DNA/RNA extraction, and assay enzyme activity
Endogenous Positive Control ₁	PASS	(2) Positive control is synthetic inactive pathogen.
Pathogen Positive Control ₂	PASS	(3) Negative Control contains primers, probe, and enzymes with no DNA/RNA template
Pathogen Negative Control ₃	PASS	(4) A "Detected" result indicates the presence of a pathogen (99.99% confidence) above the assay cutoff. Assay cutoff is represented by CFU (bacteria), PFU (viruses) or Copy Number (DNA).

Test Performed	Lab Result (Qualitative)	Recommended Treatment
Respiratory Pathogens - Bacterial		
S. pneumoniae	Not detected	N/A
S. pyogenes	Not detected	N/A
H. influenzae	Not detected	N/A
M. catarrhalis	Not detected	N/A
B. pertussis	Not detected	N/A
C. pneumoniae	Detected - HIGH	Doxycycline 100 mg po bid x 14 days OR Azithromycin 500 mg po day 1 then 250 mg po daily x 4 days OR Levofloxacin 750 mg po x 5-7 days or Clarithromycin 500 mg bid x 10 days
M. pneumoniae	Not detected	N/A
L. pneumoniae	Not detected	N/A
S. epidermidis	Not detected	N/A
S. aureus	Not detected	N/A
A. baumannii	Detected - HIGH	Meropenem, Colistin, Polymyxin, Amikacin, Rifampin, Minocyclin, Tigecycline
E. aerogenes	Not detected	N/A
E. cloacae	Not detected	N/A
K. pneumoniae	Not detected	N/A
P. mirabilis	Not detected	N/A
P. aeruginosa	Not detected	N/A
mecA	Not detected	N/A

Technician: David Ray



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Test Performed	Lab Result (Qualitative)	Recommended Treatment
Respiratory Pathogens - Viral		
Influenza A	Not detected	N/A
Influenza B	Not detected	N/A
RSV A	Not detected	N/A
RSV B	Not detected	N/A
HMPV A	Not detected	N/A
HMPV B	Not detected	N/A
Human Rhinovirus	Not detected	N/A
Human Enterovirus	Not detected	N/A
Bocavirus	Not detected	N/A
HCoV OC43	Not detected	N/A
HCoV 229E	Not detected	N/A
HCoV NL63	Not detected	N/A
HCoV HKU1	Not detected	N/A
PIV 1	Not detected	N/A
PIV 2	Not detected	N/A
PIV 3	Not detected	N/A
PIV 4	Not detected	N/A
Adenovirus	Not detected	N/A

Technician: David Ray

*This test detects the presence of pathogen and must be evaluated with clinical symptoms to/ diagnose disease. All test established and validated by Laboratory and not FDA approved.
 Methodology statement: Real-time PCR assays are designed to detect pathogens with clinical significance and analytical sensitivity and specificity greater than 99%.
 Limitations: While these assays are very sensitive and specific, theoretically these assays could detect pathogens not listed, resulting in a false positive.
 In addition, while these assays are very specific, there may be target pathogen sequences with unknown sequence variability which may not be detected, resulting in a false negative result.