



CLIENT INFORMATION

Account: Qitek Labs
Address: 4375 River Green Pkwy
Suite 200
Duluth, GA 30096

Phone: 888-85-QITEK
Provider: Dr. Qitek

PATIENT INFORMATION

Name: John Doe
DOB: 11/26/2019
Gender: Male
Fasting: No

SPECIMEN INFORMATION

Accession: 0131200001
Specimen Type:
Nasopharyngeal Swab
Collected: 01/29/20
Received: 01/30/20
Reported: 01/31/20

MEDICATIONS PRESCRIBED (as provided): No Medication List Provided

Controls

Patient Extraction Control 1
Endogenous Positive Control 1
Pathogen Positive Control 2
Pathogen Negative Control 3

PASS
PASS
PASS
PASS

- (1) Endogenous control confirms sample collection, DNA/RNA extraction, and assay enzyme activity
- (2) Positive control is synthetic inactive pathogen.
- (3) Negative Control contains primers, probe, and enzymes with no DNA/RNA template
- (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).

Results

Test Performed	Lab Result (Qualitative)	Recommended Treatment
Respiratory Pathogens - Bacterial		
<i>S. pneumoniae</i>	Not detected	N/A
<i>S. pyogenes</i>	Not detected	N/A
<i>H. influenzae</i>	Not detected	N/A
<i>M. catarrhalis</i>	Not detected	N/A
<i>B. pertussis</i>	Not detected	N/A
<i>C. pneumoniae</i>	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
<i>M. pneumoniae</i>	Not detected	N/A
<i>L. pneumoniae</i>	Not detected	N/A
<i>S. epidermidis</i>	Not detected	N/A
<i>S. aureus</i>	Not detected	N/A
<i>A. baumannii</i>	Detected - HIGH	Meropenem, Colistin, Polymyxin, Amikacin, Rifampin, Minocyclin, Tigecycline
<i>E. aerogenes</i>	Not detected	N/A
<i>E. cloacae</i>	Not detected	N/A
<i>K. pneumoniae</i>	Not detected	N/A
<i>P. mirabilis</i>	Not detected	N/A
<i>P. aeruginosa</i>	Not detected	N/A
<i>mecA</i>	Not detected	N/A



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Results

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

*This test detects the presence of pathogen and must be evaluated with clinical symptoms to diagnose disease. This test is 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.