

# Molecular PCR Summary Lab Report

CLINIC INFORMATION PA			PATIENT INFORMATION		SPECIMEN INFORMATION		
Name:	Streamline Pathology Laboratory	Name: DOB:	PATIENT, TEST 6/30/1980	Sex: M	4	Lab Accession Number: Date Collected:	S-08232210317 08/22/22 12:00:00 AM
Address:	Suite 207	Phone:	(205)332-3160	Sex. IVI	1	Date Accessioned:	08/23/2022
BIRMINGHAM, AL 35243 Provider: Test, Doctor MD		Address:	2868 ACTON ROAD VESTAVIA, AL35243			Date Reported: Faxed to:	08/23/2022 18777966185
	Extraction Control <sup>1</sup>	PASS PASS	(2) Positive control is	synthetic	inad	ctive pathogen	on, and assay enzyme activity
Endogenous Positive Control <sup>1</sup> PASS Pathogen Positive Control <sup>2</sup> PASS			(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				

(4) A "Detected" result indicates the presence of a pathogen (99.99% confidence) above the assay cutoff.

**Test Performed** 

Pathogen Negative Control <sup>3</sup>

**Test Results** 

PASS

Comments

COVID-19		С	collection Type: Nasopharyngeal Swab
COVID-19	DETECTED	[08/23/22] COVID Use Authorization #20	0-19 assay reviewed and approved under FDA Emergency 00522.
		Use Authorization	0-19 assay reviewed and approved under FDA Emergency n #200522. Laboratory will immediately notify appropriate r local public health agencies of all positive results.
nCoV_N1 (CT Value)	25.00	[08/23/22] CT value indicates the number of amplification cycles of re- PCR needed to detect COVID-19, a specific SARS-CoV-2 gene seque values are inversely proportional to the amount of target nucleic acid i sample (i.e. the lower the CT level, the greater the amount of target nu acid in the sample). The reference range for Assurance Scientific Lab RT-PCR assays is <40 cycles of amplification.	
Test Performed	Lab Result (4) (Qualitative Low/Medium/High)	DNA Copy Number	Comments

SUMMARY COVID Respiratory Panel			Collection Type: Nasopharyngeal Swab	
Bocavirus	DETECTED - MEDIUM	1.00E+03	[08/23/22] Assay is developed to detect all strains of this pathogen	
Influenza B	DETECTED - HIGH	1.00E+05		
Streptococcus pneumoniae	DETECTED - LOW	1.00E+02	[08/23/22] Limitation: Test does not differentiate between patient with acute infection or an asymptomatic carrier.	

Clinic Name: Streamline Pathology Laboratory

### Patient name: PATIENT, TEST

Lab Director: Ty Thomas, MD

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Test results must be evaluated with clinical symptoms to diagnose disease. All tests established and validated by Laboratory and not FDA approved unless otherwise indicated. 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.



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#### **CLINIC INFORMATION**

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## PATIENT INFORMATION

## Name: PATIENT, TEST DOB: 6/30/1980 Sex: M Phone: (205)332-3160 Address: 2868 ACTON ROAD VESTAVIA, AL35243

### **SPECIMEN INFORMATION**

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Test Performed	Lab Result (4) (Qualitative Low/Medium/High)	DNA Copy Number	Comments
COVID Respiratory Panel			Collection Type: Nasopharyngeal Swab
Adenovirus	Not Detected	Not Detected	[08/23/22] Assay is developed to detect all strains of this pathogen
Bocavirus	DETECTED - MEDIUM	1.00E+03	[08/23/22] Assay is developed to detect all strains of this pathogen
Bordetella pertussis	Not Detected	Not Detected	[08/23/22] Shares homology with B.holmesii.
Chlamydophila pneumoniae	Not Detected	Not Detected	
Coronavirus HKU1	Not Detected	Not Detected	
Coronavirus 229E	Not Detected	Not Detected	
Coronavirus NL63	Not Detected	Not Detected	
Coronavirus OC43	Not Detected	Not Detected	
EBV (Mononucleosis)	Not Detected	Not Detected	
Enterovirus	Not Detected	Not Detected	[08/23/22] Enterovirus includes Coxsackievirus types A9, A10, A16, B2 and Echovirus serotypes
			[08/23/22] May cross-react with Rhinovirus (types A and B)
Haemophilus influenzae	Not Detected	Not Detected	
HMPV A (Human Metapneumovirus)	Not Detected	Not Detected	
HMPV B (Human Metapneumovirus)	Not Detected	Not Detected	
Influenza A	Not Detected	Not Detected	
Influenza B	DETECTED - HIGH	1.00E+05	
Moraxella catarrhalis	Not Detected	Not Detected	
Mycoplasma pneumoniae	Not Detected	Not Detected	
Parainfluenza 1	Not Detected	Not Detected	
Parainfluenza 2	Not Detected	Not Detected	
Parainfluenza 3	Not Detected	Not Detected	
Parainfluenza 4	Not Detected	Not Detected	
Rhinovirus (types A & B)	Not Detected	Not Detected	[08/23/22] Assay is developed to detect all strains of this pathogen [08/23/22] May cross-react with Enterovirus
RSV A/B (Respiratory Syncytial Virus)	Not Detected	Not Detected	
Staphylococcus aureus	Not Detected	Not Detected	
Streptococcus pneumoniae	DETECTED - LOW	1.00E+02	[08/23/22] Limitation: Test does not differentiate between patient with acute infection or an asymptomatic carrier.
Streptococcus pyogenes (Group A)	Not Detected	Not Detected	

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Patient name: PATIENT, TEST

Lab Director: Ty Thomas, MD

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