

Vero Diagnostics
 3216 S Alston Ave
 Durham, NC 27713
 Phone: 919-341-1256

 Director: Dr. Manoj Tyagi,
 PhD. NRCC, FAACC/FACB,
 Fax: N/A

Patient Name: Krish Thaker **Date of Birth:** 12/06/2017 **Gender:** Male **Race:**
Facility Information
Ordering Provider: Testing
Facility: Professional Therapy Solutions
Facility Phone: (248) 327-6619
Facility Fax: 000000000

Specimen Information
ACC D2210030001
Collection Date: 10/03/2022 **Report Date:** 10/04/2022
Received Date: 10/04/2022 **Sample Type:** Nasopharyngeal
Notes:
PATHOGENS DETECTED


Organism	Estimates Copies/mL	Estimated Mic. Load
Haemophilus influenzae	1 x 10 ⁷	High
Respiratory syncytial virus	1 x 10 ⁷	High
Rhinovirus A + B + C	1 x 10 ⁵	Moderate

RESISTANCE GENES DETECTED

No resistance detected
 No resistance genes detected.

Therapeutic Guidance

Drug Allergies:

Notes from Ordering Physician:

Notes from Pharmacist: Result demonstrates microbes found and potential for infection present. Bacterial organisms detected will be assessed based on the linear amplification curve to give approximate quantitative ranges. Not all bacteria found require therapy; likewise, therapy may be needed at lower ranges for the young, elderly and immunocompromised. The provider must use clinical assessment of patient's symptoms and signs along with these ranges to make the final judgement of antibiotic intervention. ANY POSITIVE DETECTION MUST BE EVALUATED FOR CAUSE OF DISEASE STATE.

Supportive care is the mainstay of therapy for RSV infection. Hydration, supplemental oxygen

Rhinovirus is found in 50% of children with community-acquired pneumonia; however it's role in pathogenesis is unclear. Most rhinovirus infections are self-limiting and treatment is supportive and symptomatic. There is no evidence to support use of antibiotic or antiviral therapy in the treatment of rhinovirus. No antiviral therapy indicated for Rhinovirus, treatment is symptomatic.

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Medication Review

Category Name	Medication	Route	Dose	Consideration
First Line	Amoxicillin-Clavulanate	PO	90 mg/kg/day divided q12h x 10 days	Adjust dose CrCl < 30 mL/min. Avoid use with penicillin allergy.
First Line	Cefdinir	PO	14 mg/kg/day divided q12h x 10 days	If CrCl < 30 mL/min, reduce dose to 300 mg daily.
First Line	TMP-SMX DS	PO	8-10 mg TMP/kg/day divided q12h x 10 days	Avoid use with sulfa allergies. If CrCl < 30 mL/min, reduce dose 50%. Avoid using in CrCl < 15 mL/min, asthma patients, pregnancy, warfarin, and with folate deficiency. Monitor for hyperkalemia in patients taking ACE-inhibitor, ARB, or spironolactone.

Electronically approved on 10/04/2022 by: dkelley

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Summary of Abnormal Values

<u>Test Name</u>	<u>Flag</u>	<u>Result</u>	<u>Qualitative</u>
Haemophilus influenzae	P	Positive	High
Human Res Syncytial Virus A+B (RSVA)	P	Positive	High
Human Rhinovirus 1/2	P	Positive	Medium

Pathogens

<u>TEST NAME</u>	<u>FLAG</u>	<u>RESULT</u>
Acinetobacter baumannii		Negative
Adenovirus 1 of 2		Negative
Adenovirus 2 of 2		Negative
Aspergillus fumigatus		Negative
Bordetella bronchiseptica		Negative
Bordetella pertussis		Negative
Candida albicans		Negative
Candida auris		Negative
Candida glabrata		Negative
Candida krusei		Negative
Candida lusitanae		Negative
Candida parapsilosis		Negative
Candida tropicalis		Negative
Chlamydomphila pneumoniae		Negative
Coronavirus HKU1		Negative
Coronavirus NL63		Negative
Coronavirus OC43		Negative
Covid-19- Sars		Negative
Cytomegalovirus (CMV) (HHV5)		Negative
Enterobacter aerogenes		Negative
Enterobacter cloacae		Negative
Enteroviruses A,B,C		Negative
Enteroviruses D68		Negative
Epstein-Barr virus (EBV) (HHV4)		Negative
Human Bocavirus (HBoV)		Negative
Human Coronavirus 229E		Negative
Human metapneumovirus		Negative

Antibiotic Resistance Genes

<u>TEST NAME</u>	<u>FLAG</u>	<u>RESULT</u>
Aminoglycoside		Negative
ampC		Negative
blaFOX-blaACC		Negative
blaKPC		Negative
blaSHV		Negative
CTX-M1 (15), M2 (2), M9 (9), M8/25		Negative
dfrA1/A5, sul1,2		Negative
ermA		Negative
ermB		Negative
ermC		Negative
IMP, NDM, VIM		Negative
mecA		Negative
OXA-48, -51		Negative
qnrA1, qnrA2, qnrB(qnrS)		Negative
TEM G236S		Negative
tetB, tetM		Negative
VanA, VanB		Negative

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Influenza A virus (Pan)		Negative
Influenza B virus (Flu_B_pan)		Negative
Klebsiella pneumoniae		Negative
Legionella pneumophila		Negative
M. tuberculosis		Negative
Moraxella catarrhalis		Negative
Mycobacterium avium complex (MAC)		Negative
Mycoplasma pneumoniae		Negative
Parainfluenza virus 1, 2,3		Negative
Parainfluenza virus 4		Negative
Proteus mirabilis		Negative
Pseudomonas aeruginosa		Negative
Staphylococcus aureus		Negative
Streptococcus agalactiae		Negative
Streptococcus pneumoniae		Negative
Streptococcus pyogenes		Negative
Varicella Zoster Virus (VZV) (HHV3)		Negative

The Semi Quant data provided on this report is entirely based on our preliminary validation study. Further validation is under process.

Disclaimer: This test was developed and its performance characteristics were determined by VeroDx. The U.S. Food and Drug Administration has not approved or cleared this test; however, FDA clearance or approval is not currently required for clinical use. Values reported above or below either the lowest or highest analytical cut off are provided for informational purposes only. These values are extrapolated and we cannot confirm the accuracy of results beyond our analytic range. Please contact the Laboratory Services if you have specific questions regarding results.