

Name	: DUMMY	Age	: 29 Years
Lab No.	: 177372557	Gender	: Male
Ref By	: Self	Reported	: 14/10/2024 6:05:12PM
Collected	: 9/10/2024 12:00:00AM	Report Status	: Final
A/c Status	: P	Processed at	: LPL-NATIONAL REFERENCE LAB
Collected at	: LPL-ROHINI (NATIONAL REFERENCE LAB)		
	National Reference laboratory, Block E, Sector		National Reference laboratory, Block E,
	18, ROHINI		Sector 18, Rohini, New Delhi -110085
	DELHI 110085		

Test Report

Test Name	Results	Units	Ref. Interval
RESPIRATORY PANEL 9 (Real Time PCR)			
Type of Specimen	SPUTUM		
Influenza A	Negative		
Influenza B	Negative		
Coronavirus NL63	Negative		
Coronavirus 229E	Negative		
Coronavirus OC43	Negative		
Coronavirus HKU1	Negative		
Parainfluenza virus 2	Negative		
Parainfluenza virus 3	Negative		
Parainfluenza virus 4	Negative		
Parainfluenza Virus 1	Negative		
Bocavirus	Negative		
Mycoplasma pneumoniae	Negative		
Respiratory syncytial virus A/B	Negative		
Adenovirus	Negative		
Chlamydia pneumoniae	Negative		
Bordetella pertussis	Negative		

Interpretation

RESULT	REMARKS
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Test Name	Results	Units	Ref. Interval
Positive	Sample provided contains the specified organism/s		
Indeterminate	Presence of inhibitors in the sample. Repeat testing on a new specimen is recommended		
Negative	Sample provided does not contain the specified organism /s OR number of Nucleic acid copies are below the detection limit of the assay		

Note

PCR is a highly sensitive technique but paradoxical results can be due to specimen contamination during collection, inappropriate specimen and presence of inherent PCR inhibitors.

Comment

Influenza A virus infection is associated with acute respiratory infections of varying severity, ranging from asymptomatic to fatal disease. Typical influenza symptoms include fever, sore throat, cough, headache and myalgia. Complications include primary influenza virus pneumonia, bacterial pneumonia and exacerbation of underlying chronic conditions. Illness tends to be most severe in the elderly, in infants, young children, and immunocompromised hosts.

Influenza B viruses cause the same spectrum of disease as Influenza A. However Influenza B viruses are not known to cause pandemics.

The four **Human Coronavirus** (HCoV-NL63, HCoV-229E, HCoV-OC43 & HCoV-HKU1) are associated with a range of respiratory ailments, including Bronchiolitis and Pneumonia. HCoV-NL63 is associated with Croup in children and may cause Common cold in healthy adults. HCoV-229E is a proven Common cold virus in healthy adults. HCoV-OC43 is generally characterized by sore throats. HCoV-HKU1 causes mild upper respiratory diseases, Common cold, Bronchiolitis, and Pneumonia, with symptoms such as rhinorrhoea, fever, cough, febrile seizure, and wheezing. Infection occurs through the air by coughing and sneezing, and close personal contact, such as touching or shaking hands with an incubation period of approximately 4 days.

Human Parainfluenza viruses (Para 1, Para 2, Para 3, Para 4) have been associated with every type of upper and lower respiratory tract illness, including Common cold with fever, Laryngotracheobronchitis, Bronchiolitis and Pneumonia. Para 1 and Para 2 are the pathogens most commonly associated with Croup whereas Para 3 is the pathogen most commonly associated with Bronchiolitis and Pneumonia in infants and young children. Types 1 and 2 tend to occur mostly in the winter months whereas type 3 occurs mainly in the spring. Human Parainfluenza usually spreads from person to person through the air by coughing and



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sneezing and close personal contact with an incubation period of approximately 4 days.

Human Bocavirus (HboV) has been found in infants and children with respiratory tract illness all over the world. Symptoms of respiratory tract infection, gastrointestinal symptoms and skin rash have been reported. It is suggested that Bocavirus mainly spreads amongst humans by droplet infection. Presence in stool and blood suggest other modes of transmission

Mycoplasma pneumoniae (M.pneumoniae) is a common cause of lower respiratory tract infections with fever, cough, malaise, and headache. Radiologically confirmed pneumonia develops in 5-10 % of the cases. The transmission is by person-to-person contact via respiratory secretions. Incubation period is between 1 to 4 weeks.

Respiratory Syncytial viruses A and B (RSVA and RSVB) are an important cause of lower-respiratory tract infection in all age groups. RSVs are of particular importance as a cause of severe lower respiratory tract infection in infants causing bronchiolitis and pneumonia in immunocompromised and the elderly. People infected with RSV are usually contagious for 3 to 8 days.

Adenoviruses are a common cause of respiratory illness. Symptoms can range from the Common cold to Pneumonia, Croup, and Bronchitis. Depending on the type, Adenoviruses can cause other illnesses such as Gastroenteritis, Conjunctivitis, Cystitis and less commonly, neurological diseases.

Chlamydia pneumoniae causes respiratory disease, including Pneumonia and Bronchitis in humans. The organism has also been implicated as a causative trigger for Asthma. It is typically acquired by otherwise healthy people and is a form of community acquired pneumonia.

Bordetella pertussis is the causative agent of Pertussis or Whooping cough. The infection occurs in children under the age of one if they are unimmunized, or children with waning immunity, around the ages 11 to 18 years. The signs and symptoms are similar to a Common cold.

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-----End of report-----



IMPORTANT INSTRUCTIONS

•Test results released pertain to the specimen submitted. •All test results are dependent on the quality of the sample received by the Laboratory. •Laboratory investigations are only a tool to facilitate in arriving at a diagnosis and should be clinically correlated by the Referring Physician. •Report delivery may be delayed due to unforeseen circumstances. Inconvenience is regretted. •Certain tests may require further testing at additional cost for derivation of exact value. Kindly submit request within 72 hours post reporting. •Test results may show interlaboratory variations. •The Courts/Forum at Delhi shall have exclusive jurisdiction in all disputes/claims concerning the test(s) & results of test(s). •Test results are not valid for medico legal purposes. •This is computer generated medical diagnostic report that has been validated by Authorized Medical Practitioner/Doctor. •The report does not need physical signature.

(#) Sample drawn from outside source.

If Test results are alarming or unexpected, client is advised to contact the Customer Care immediately for possible remedial action.

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National Reference lab, Delhi, a CAP (7171001) Accredited to ISO 9001:2015 (1560411) & ISO 27001:2013 (616691) Certified laboratory.

