



RESPIRATORY VIRUSES MULTIPLEX PCR (QUALITATIVE)

Synonym(s): adenovirus, metapneumovirus, coronavirus 229E, coronavirus NL63, coronavirus OC43, parainfluenza virus, influenza virus, respiratory syncytial virus, rhinovirus bocavirus, enterovirus

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Lab Section Category	Molecular Diagnostics - Microbiology Click here to find out more about the write-up (/clinical-departments-centers/pathology/pathology-handbook/lab-discipline-special-instructions/pages/moleculardiagnosics.aspx).
Indications	1) For detection of 16 common viral agents of respiratory infections, i.e. adenovirus, metapneumovirus, coronavirus 229E, NL63 and OC43, parainfluenza virus types 1,2, 3 and 4, influenza virus types A and B, respiratory syncytial virus A and B, rhinovirus A/B/C, bocavirus and enterovirus. Note: If Influenza infection is strongly suspected clinically, please order for Influenza Virus Multiplex PCR (in parallel or alone) for higher sensitivity.
Specimen Required	1) Nasal / throat / nasopharyngeal swabs / combined nasal and throat swabs (latter give better yield) Use only Dacron-tipped or Copan flocced swab and send dry in sterile container or swab sheath. Laryngeal swabs will be rejected. 2) Bronchoalveolar lavage (BAL), endotracheal aspirates and sputum samples.
Storage and Transport	1) Refrigerate sample until transfer to laboratory. Do not freeze. Send sample at 2 - 8°C (with an ice-pack). 2) Sample must reach laboratory within 24 hours after collection.
Method	Real-time Multiplex Polymerase Chain Reaction (Seegene Anyplex™ II RV16) - Version 1.1
Test Result	Detected, Not Detected or Inconclusive
Turnaround Time	1-3 days

Day(s) Test Set up	Monday - Friday
Remarks	Please note that this assay may not detect certain strains of enterovirus species C and D, including EV 68 and Coxsackievirus A24.

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Change History Notes

- **11 Oct 2012 09:02 AM**

Lab will be replacing the currently offered Respiratory Viruses Multiplex PCR panel which targets 12 viruses, to a new expanded panel which detects 16 viruses w.e.f 11.10.12.

- **15 Jan 2013 11:16 AM**

Turnaround Time has been last updated on 15/01/13.

- **10 Feb 2015 09:29 AM**

Day(s) Test Set-Up: Day(s) Test Set-Up has been last updated on 10/02/15.

- **29 Mar 2016 04:18 PM**

Synonyms: Synonyms has been added w.e.f 29/03/16.

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