Respiratory Viral Panel

For in vitro diagnostic use

CERNER ORDERABLE
RESPIRATORY VIRAL PCR; RVP PCR 3380

CPT CODE
87633

CLINICAL UTILITY
Respiratory viruses cause acute local and systemic illnesses that range in severity, with the potential to cause severe disease especially in the young and elderly. The NxTAG™ Respiratory Pathogen Panel (RPP) is a qualitative nucleic acid multiplex test intended for the simultaneous detection and identification of 20 viral and bacterial targets in individuals suspected of respiratory tract infections[1].

METHODOLOGY
Multiplex RT-PCR/Array bead hybridization

SPECIMENS
Nasopharyngeal swabs (NPS) in Universal Transport Medium (UTM)*
Bronchoalveolar lavage (BAL) collected in a sterile container**
Sputum collected in a sterile container**

SPECIMEN STABILITY
Refrigerated: up to 72 hours

SHIPPING
Ship specimen on ice packs or if greater than 72 hours ship frozen on dry ice

CAUSES FOR REJECTION
Specimens other than those listed above.

SPECIFICITY
Detects 20 Respiratory targets: Influenza A (all subtypes, Influenza A subtype H1, Influenza A subtype H1N1, Influenza A subtype H3), Influenza B, Respiratory Syncytial Virus (RSV) subtype A, RSV subtype B, Coronavirus (229E, OC43, NL63, HKU1), Parainfluenza 1, Parainfluenza 2, Parainfluenza 3, Parainfluenza 4, Human Bocavirus, Human Metapneumovirus, Rhinovirus/Enterovirus, Adenovirus, *Chlamydophila pneumoniae,* and *Mycoplasma pneumoniae.*

ASSAY RANGE
Qualitative results (Detected/Not Detected) for: Influenza A, Influenza A subtype H1, Influenza A subtype H1N1, Influenza A subtype H3, Influenza B, Respiratory Syncytial Virus (RSV) subtype A, RSV subtype B, Coronavirus 229E, Coronavirus OC43, Coronavirus NL63, Coronavirus HKU1, Parainfluenza 1, Parainfluenza 2, Parainfluenza 3, Parainfluenza 4, Human Bocavirus, Human Metapneumovirus,

1. Reference information can be found in the Indiana University Health Molecular Assay Procedures.

Rhinovirus/Enterovirus, Adenovirus, *Chlamydophila pneumoniae,* and *Mycoplasma pneumoniae*.

TURNAROUND TIME
Daily, 24-72 hours

*NPS has been cleared by the FDA for use in the RVP assay.
**In-house validation was performed to establish as suitable specimen type

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