



Viral Testing Addendum

SARS-CoV-2 PCR and Influenza A/B and RSV PCR, NKCH 90 minute TAT

- Preferred test to confirm influenza and/or respiratory syncytial virus (RSV) an/or CoVid19 in patients.
- Requires nasopharyngeal swab in transport media
 - **Indications for Testing:**
 - At-risk patients with influenza/respiratory like symptoms
 - At-risk patients with RSV symptoms (especially infants and children<6 yrs)
 - **Occurrence**
 - CoVid19- year round
 - Influenza/RSV- Winter months

Respiratory Pathogen Panel (PCR) (includes SARS CoV2), NKCH 2 hour TAT

- Test only if clinical management will be changed
- Requires nasopharyngeal swab in transport media
 - **Indications for Testing:**
 - Symptoms of severe infection of lower respiratory tract
 - Individuals with **chronic cardiac or pulmonary disease, immunocompromised** state, or the **elderly** are at greatest risk for serious complications from LRTI
 - **Occurrence**
 - Year round
- Test detects Adenovirus, Coronavirus 229E, HKU1, NL63, OC43, (SARS-CoV-2), Human Metapneumovirus, Human Rhinovirus/Enterovirus, Influenza A (H1/H3/2009H1), Influenza B, Parainfluenza 1,2,3,4 Respiratory Syncytial Virus, Bordetella parapertussis & pertussis, Chlamydia pneumoniae, Mycoplasma pneumoniae

Respiratory Virus Mini Panel by RT-PCR, ARUP 3 day TAT

- Detects Influenza A/B, RSV in (BAL), nasal wash/swab, or pleural fluid
- Not the preferred test

Viral Culture Respiratory, ARUP 14 day TAT

- Detects several common respiratory viruses in (BAL), NP aspirate/swab, tracheal aspirate, sputum, throat, lung tissue
- Not the preferred test

Encephalitis Panel CSF, NKCH 2 hour TAT

- Molecular testing by PCR is recommended for CSF
 - **Indications for Testing**
 - Meningitis or Encephalitis
 - **Occurrence**
 - Infections occur throughout the year
- Test detects CMV, Enterovirus, HSV1, HSV2, HHV6, Hparechovirus, VZV, E.coli, H.influenzae, Listeria, N.meningitidis (encapsulated), Strep B ,Strep pneumo, Cruptococcus

Reference: <https://arupconsult.com/category/infectious-disease/viruses>