Respiratory Virus Algorithm for Nasopharyngeal Specimens

VRPPN / Respiratory Pathogen Panel, PCR, Nasopharyngeal

Included on panel

- Influenza A, B, with subtype, RSV, parainfluenza (type 1-4), adenovirus, rhinovirus, HMPV, Bordetella species

Best for

- ICH
- Severe disease
- Inpatient

Has influenza/RSV been ordered separately?

Consider clinical scenario

- YES: Change to VROPN / Respiratory Virus Panel Other, PCR, Nasopharyngeal

VROPN / Respiratory Virus Panel Other, PCR, Nasopharyngeal

Order: VBPN / Bordetella Panel, PCR, Nasopharyngeal

- Contact MCF Virology Lab to add tests

VBPN / Bordetella Panel, PCR, Nasopharyngeal

- Contact MCF Virology Lab to add tests

Order: FLUNP / Influenza Virus Type A and Type B, and Respiratory Syncytial Virus (RSV), Molecular Detection, PCR, Nasopharyngeal Swab

- Get Infectious Disease consult consider VROPN / Respiratory Virus Panel Other, PCR, Nasopharyngeal if patient condition warrants

VROPN / Respiratory Virus Panel Other, PCR, Nasopharyngeal

- Non-ICH with URI
- Initial evaluation during increased prevalence
- Clinic outpatients

Initial evaluation during increased prevalence

- YES: Change to VRPPN / Respiratory Pathogen Panel, PCR, Nasopharyngeal

Order: VBPN / Bordetella Panel, PCR, Nasopharyngeal

- Contact MCF Virology Lab to add tests

- Clinical or epidemiologic suspicion of Bordetella infection

Is viral testing needed?

- YES: Get Infectious Disease consult consider VROPN / Respiratory Virus Panel Other, PCR, Nasopharyngeal if patient condition warrants

Influenza A, B, RSV

- Non-ICH with URI
- Initial evaluation during increased prevalence
- Clinic outpatients

Influenza A, B, RSV, Parainfluenza (type 1-4), adenovirus, rhinovirus, HMPV

YES

YES

YES

YES

All listed tests accept NP swabs
NP=Nasopharyngeal swab
RSV=Respiratory syncytial virus
HMPV=Human metapneumovirus
ICH=Immunocompromised Host
ICU=Intensive Care Unit
URI=Upper Respiratory Infection
MCF=Mayo Clinic Florida

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