

MEDITECH Acute Care Ordering Guide

Pediatric (<18 years) Respiratory Pathogen Testing - Influenza A & B/RSV/Covid-19/Magpix

Is patient <3 months old, or meets clinical criteria[†] for MAGPIX testing?

Yes

ORDER:

Virus Covid/Flu+Magpix-Nasoph

- ⇒ Nasopharynx Aspirate/Wash
- ⇒ Nasopharynx Swab
- ⇒ Nose/Nasopharynx

OR

Virus Covid/Flu+Magpix-Endotra

OR

Virus Covid/Flu+Magpix-BronchW

OR

Virus Covid/Flu+Magpix-Sputum

OR

Virus Covid/Flu+Magpix-Throat (*)

No

ORDER:

Virus Covid/Flu - Nasopharynx

- ⇒ Nasopharynx Aspirate/Wash
- ⇒ Nasopharynx Swab
- ⇒ Nose/Nasopharynx

OR

Virus Covid/Flu- Endotracheal

OR

Virus Covid/Flu - Bronch Wash

OR

Virus Covid/Flu - Sputum

OR

Virus Covid/Flu - Throat (*)

[†]Clinical criteria for Magpix testing:

- infant <3 months old
- hospitalization due to respiratory illness
- immunocompromised
- medically complex cases where a viral diagnosis will inform management decisions
- prolonged fever ≥5 days
- a returned traveller who is febrile and suspected of viral illness

**Note: Throat swabs are a suboptimal specimen type EXCEPT when Mycoplasma pneumoniae infection is suspected. Only submit a throat swab if M. pneumoniae testing is needed or if the patient cannot tolerate a nasopharyngeal swab. Throat swabs must be collected with the "blue-top" Copan Universal Transport Medium kit.*

If testing for Legionella is required, submit a lower respiratory specimen (sputum, endotracheal aspirate or bronchial wash) with a "Magpix" order. Legionella testing cannot be performed on nasopharyngeal samples or throat swabs.

October through April (during Flu season): Influenza A & B/RSV and COVID-19 PCR testing will be done for all specimens. "Magpix" expanded respiratory pathogen testing will be performed on request if patient is admitted or <18 years of age.

May through September (outside of Flu Season): All specimens will be tested for Covid-19. Influenza and RSV testing is not routinely available; however, "Magpix" expanded respiratory pathogen testing will be performed on request if patient is admitted or <18 years of age.

Please note: Adult patients who are assessed in the emergency department and discharged home will not be eligible for Magpix testing.