

Summarized Changes to Respiratory Virus Testing

1. Nasopharyngeal samples collected with Flocked Swabs can be submitted in place of NP aspirates.
2. Ultra-rapid card tests for RSV and FluA/B will no longer be performed.
3. Respiratory virus antigen/culture will be discontinued on 11/2 at 11 AM.
4. After this time, there will be 2 respiratory virus test panels:
 - “Resp Virus Panel - Standard Pt. LAB” (patients with normal immune systems)
 - “Resp Virus Panel - Immunocomprom. Pt. LAB” (immunocompromised patients)

Panel components are shown on the next slide
5. Providers must indicate condition that qualifies a patient for the immunocompromised panel when ordering the test. These include:
 - Oncology
 - Organ transplant
 - HIV
 - Immunomodulatory therapy (e.g. autoimmune disease treatment)
 - ICU
 - Pregnancy
 - Neonate
 - Normal host, sudden onset respiratory failure
6. 2 NP swabs are requested for Immunocompromised Panel (one from each nares, submitted in two different transport tubes). *Endonasotrach specimens WILL NOT BE ACCEPTED for the Immunocompromised Panel.*
7. 1 NP swab is requested for Standard Panel.

New Respiratory Virus Test Algorithm

Standard Panel (7961)
NPA, NP swab

DFA
(RSV, FluA/B, AdV, PF1-3, hMPV)

Positive



Stop

Negative



Shell Vial
(RSV, FluA/B,
AdV, PF1-3)

One NP Swab Requested

IC Panel (7962)
NP Swab, NP wash, and BAL

DFA
(RSV, FluA/B, AdV, PF1-3, hMPV)

Positive



Stop

Negative



Multiplex PCR
RSV, FluA*, FluB, AdV,
PF1-3, hMPV, Rhino

**Two NP Swabs Requested
(One for DFA, one for PCR)
Collect one swab from each nares;
Submit swabs in 2 separate
transport tubes**

When seasonal FluA appears, all FluA's will be typed by PCR and reported

*This assay will automatically type seasonal H3N2 and H1N1; swine origin H1N1 is detected as "FluA-untypable".

Operational Details for New Respiratory Virus Tests

- As of 11/2/09, DFAs will be performed 24/7, with a 2-4 hr time-to-result after specimen is received by the Microbiology Lab
- Shell vial cultures will be performed on DFA negative samples, as needed
- Multiplex PCR will be performed 6 days per week (Sun-Fri), once per day
 - Cutoff time will be 1 a.m.
- SAP numbers:
 - NP Flocked swabs: #114949
 - Viral transport medium tubes: #44674