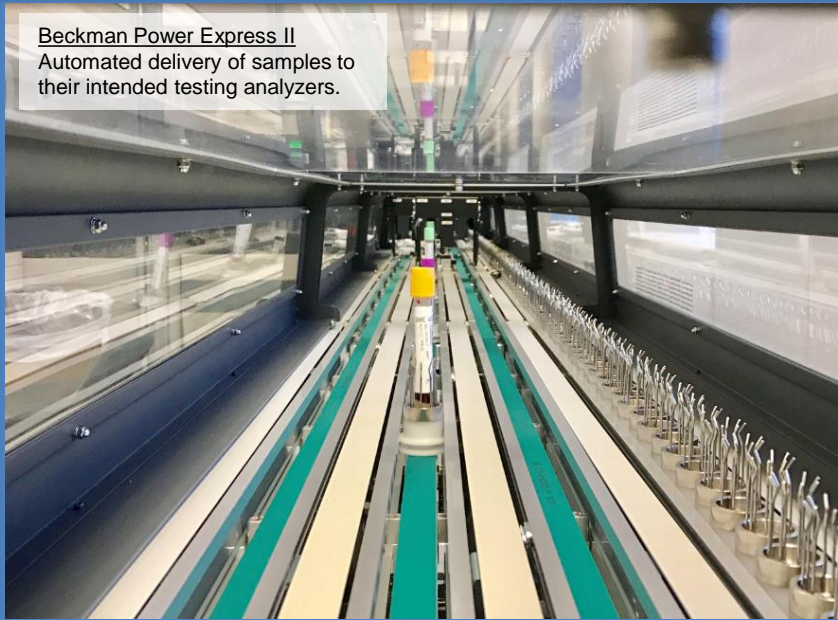


LABORATORY NEWSBEAT



QUARTERLY NEWSLETTER OF THE DEPARTMENT OF PATHOLOGY AND LABORATORY MEDICINE



Beckman Power Express II
Automated delivery of samples to their intended testing analyzers.

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Henry Ford Hospital Influenza Testing Algorithm

Bacterial targets:

- Chlamydomphila pneumoniae
- Mycoplasma pneumoniae

Acceptable specimens for Biofire:

Nasopharyngeal swab in Universal Transport Media (UTM), BAL, bronchial wash, tracheal aspirates and sputum.

Unacceptable specimens for Biofire: Specimens received in Starswab (blue cap) viral transport media. Biopsy specimens (please contact laboratory for guidance on testing biopsy specimens for respiratory viruses).

Testing Schedule: Testing will be offered 7am – 11pm, seven days a week at Core Microbiology laboratory at Henry Ford Main Campus.

Influenza A & B testing only:

Patients can be tested for Influenza A & B using the rapid Influenza PCR,

EPIC test name: Influenza A&B PCR, Nasopharynx
EPIC CODE: FLUPCR

Acceptable Specimen for FLUPCR:

Nasopharyngeal swab in UTM only. Send specimen to laboratory immediately. Specimen being transported via courier to testing laboratory from off sites should be transported on ice. Biofire testing can be added to Influenza negative NP samples if necessary without need for recollection.

Frequently Asked Questions

“What are the links to the Testing Catalog in the electronic Lab User’s Guide (eLUG)?”

The Laboratory User’s Guide can be accessed both internally and externally.

Internal users:

<http://pathology.hfhs.org/lug/home/home.asp>

External users:

<https://lug.hfhs.org/home/home.asp>

User Name: lug

Password: homelug

Laboratory Update: Respiratory Virus Testing

Effective February 2017, the Microbiology laboratory will perform all respiratory viral panel testing using the Biofire PCR panel (**EPIC Name: Respiratory Virus PCR / EPIC Code: RESPNL**) for the detection of respiratory viral pathogens on all respiratory specimen types.

Respiratory viral culture will no longer be available effective immediately.

Respiratory Virus PCR is only currently available for inpatient testing. Exceptions may be made for transplant patients in an outpatient setting after consultation with laboratory senior staff (16.1041).

The Biofire Respiratory panel is capable of simultaneously detecting 19 different viruses and bacteria in little over an hour. The list of targets are highlighted in the chart below.

Viruses

- | | | |
|---|--|--|
| <ul style="list-style-type: none"> • Adenovirus • Coronavirus HKU1 • Coronavirus NL63 • Coronavirus 229E • Coronavirus OC43 • Human Metapneumovirus | <ul style="list-style-type: none"> • Human Rhinovirus/Enterovirus • Influenza A • Influenza A/H1 • Influenza A/H1-2009 • Influenza A/H3 | <ul style="list-style-type: none"> • Influenza B • Parainfluenza 1 • Parainfluenza 2 • Parainfluenza 3 • Parainfluenza 4 • Respiratory Syncytial Virus |
|---|--|--|

Questions on this article or related topic(s), please contact:

Please contact the Microbiology laboratory @313.916.1041 and ask for Dr. Linoj Samuel or Dr. Robert Tibbetts



PALM Newsbeat Design and Editor: Ralph G. Benitez



Henry Ford Hospital Influenza Testing Algorithm

2016-2017

Patients with Influenza-like Illness
(Do not delay empiric influenza therapy if indicated pending laboratory confirmation)

Evaluate for risk factors: Patients awaiting admission that require respiratory isolation rooms; Hospitalized patients; children <5 years of age, persons; ≥65 years of age; pregnant women; patients with comorbid disease; immunosuppressed patients

Yes — **Risk factors present** — **No**

Order Influenza A&B PCR, NP.
(EPIC Code: FLUPCR/LAB5221)
Send nasopharyngeal (NP) swab
UTM transport media
Results available in <2 hrs

Treat based on clinical judgment

POS

NEG

Influenza PCR has 100% sensitivity and 97% specificity. Negative PCR rules out Influenza A/B
Influenza antigen testing is no longer recommended

Consider influenza therapy

Consider stopping empiric influenza therapy

If a non-influenza respiratory viral infection is suspected in high-risk immune suppressed inpatient patients e.g. transplant patients
Order *BIOFIRE - Respiratory Virus PCR, NP**
 (If NP swab sent for Influenza antigen/PCR test recollection is not necessary)

*BIOFIRE Respiratory Virus Panel PCR will not be available for outpatient testing without prior lab approval. Contact Microbiology @313-916-1041 for any questions.