



Pathology and Laboratory Medicine

New Test Announcement

PRC-PALM-5.17 polpro 1-fm1: New Test Announcement Form

Test Name: Rapid Pathogen Identification (RPID)

Test Change Effective Date: 11/14/18

Memo Release Date: 11/15/2018

Test Background:

RPID is a PCR-based reflex assay that enables rapid detection of pathogens causing bloodstream infections from positive blood cultures in <2h from initial critical value report following 24-48 hours of incubation. It can identify 24 pathogens and 3 resistance markers allowing for immediate changes to antibiotic treatment. RPID will now be performed on all first positive blood cultures within a 14 day period with the exception of blood cultures containing gram positive bacilli. This will shorten time to pathogen identification by 1-2 days from current state by eliminating 24-48 hours of subculture.

Links To Medical Literature:

<https://www.ncbi.nlm.nih.gov/pubmed/26639226> <https://www.ncbi.nlm.nih.gov/pubmed/27543412>

Report Content:

Order	Specimen Type	Result Date	Result Time	Result Status
Blood Culture	Blood [3]	Oct 12, 2018	3:32 PM	Preliminary result [2]

⚠ Blood Culture Order: 380003950

Status: Preliminary result Visible to patient: No (Not Released) Next appt: None

Specimen Information: Blood

Component: 10/11/18 0900

Special Requests: Peripheral^P

Gram Stain: Aerobic bottle Gram positive cocci in clusters^P !

Gram Stain: Initial positive report given to Critical Value Reported with Correct Readback of Critical Value and Two Patient Identifiers by: DR SMITH ON 10122018 AT 900AM BY KC^P

Results: Aerobic bottle Staphylococcus aureus Methicillin susceptible by PCR Susceptibility to follow^P !

Results: Drugs of choice = Beta-lactam IV (Cefazolin or Nafcillin) for MSSA. Vancomycin IV is inferior.^P

Resulting Agency: HFH

Specimen Collected: 10/11/18 09:00 Last Resulted: 10/12/18 15:32 Order Details View Encounter Lab and Collection Details Routing Result History

P=Value has a preliminary status

Locating Test Results In Epic:

Test results will be reported within the blood culture report along with resistance markers and HFHS approved treatment recommendations. The critical value notification call will include a reminder to check back in EPIC in 2h for the RPID organism identification.

Result Interpretation:

Timely caregiver intervention in response to RPID results is essential for improved patient outcomes and to justify the resources required to provide RPID results 24/7.

Epic/Atlas Order code: NA

CPT Code: NA

Insurance Prior-Authorization: NA

Acceptable Specimen Source(S):

Testing is performed on positive blood cultures. No additional specimen is required.

Causes For Rejection:

Patients with previous positive blood cultures within a 14 day period will not receive RPID testing.

For More Information:

For Questions About This New Test Contact: Dr. Samuel or Dr. Tibbetts @ 313-916-1041

<http://pathology.hfhs.org/lug> Search our Electronic Lab Users Guide Test Catalog

313.916. LABS (5527) for Lab Customer Service or to speak with a Pathologist