Clostridium difficile GDH+Toxin Reflex to PCR

Test Update: PCR Testing now available on Kauai

Test Code:

Clostridium Difficile GDH
+ Toxin Reflex to PCR:
CDGDHX (4511)

Specimen:

- Diarrheal stools (defined as >=3 loose stools per day for 1-2 days) in sterile container, no preservatives
- Minimum volume: 3ml
- Transport refrigerated within 72 hours
- Unacceptable: hard stools, stools in formalin or PVA, insufficient volume, rectal swabs

Test Sites:

Clinical Labs of Hawaii Reference Lab, Hilo Medical Center, and Wilcox Memorial Hospital

Performed: Daily

Client Services

Oahu 808.677.7998

Neighboring Islands...........866.281.6816

Effective immediately, Wilcox Memorial Hospital will offer the C. difficile PCR assay on site to assist healthcare providers with faster diagnoses, improved antibiotic stewardship and quicker results. This test will continue to be offered at our reference lab as well.
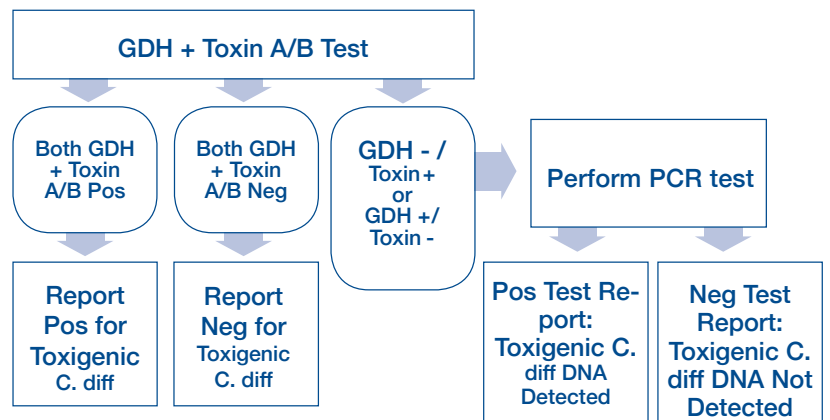
C. difficile is the major cause of antibiotic-associated diarrhea and colitis. It is thought the exposure to antibiotics disrupts the intestinal flora, allowing for opportunistic colonization by C. difficile. The virulence of C. difficile is mediated by the production of two toxins, A and B.

The C. difficile GDH + Toxin test is a rapid membrane enzyme immunoassay for the simultaneous detection of Clostridium difficile glutamate dehydrogenase antigen, and toxins A and B in a single reaction.

The C. difficile PCR assay combines a biotin-labeled isothermal amplification technology (helicase-dependent amplification) and amplicon detection. The assay targets the Toxin B (tcdB) portion of the pathogenicity locus (PaLoc) for improved sensitivity and specificity when compared to standard cell culture and rapid immunoassay methods.

This test is to be used as an aid in the diagnosis of C. difficile disease. Repeat testing following a negative test is NOT recommended.

Algorithm

For more information, please contact our client services department.

Thank you for choosing Clinical Labs of Hawaii.