

Baptist Health Now Offers BioFire Gastrointestinal Testing

The BioFire GI Panel is a PCR based qualitative multiplexed in vitro diagnostic test. The BioFire GI Panel is capable of simultaneous detection and identification of multiple bacteria, viruses, and parasites from individuals with signs and/or symptoms of gastrointestinal infection.

BACTERIA

- Campylobacter (jejuni, coli, and upsaliensis)
- Clostridium difficile (toxin A/B)
- Plesiomonas shigelloides
- Salmonella
- Yersinia enterocolitica
- Vibrio (cholerae, parahaemolyticus, and vulnificus)
- Vibrio cholerae
- Diarrheagenic E. coli/Shigella
- Enteraggregative E. coli (EAEC)
- Enteropathogenic E. coli (EPEC)
- Enterotoxigenic E. coli (ETEC) lt/st
- Shiga-like toxin-producing E. coli (STEC) stx1/stx2
- E. coli O157
- Shigella/Enteroinvasive E. coli (EIEC)

PARASITES

- Cryptosporidium
- Cyclospora cayetanensis
- Entamoeba histolytica
- Giardia lamblia

VIRUSES

- Adenovirus F40/41
- Astrovirus
- Norovirus GI/GII
- Rotavirus A
- Sapovirus (I, II, IV, and V)

With overlapping symptoms, distinguishing possible causes of gastroenteritis can be challenging for any physician. To further complicate diagnosis, traditional testing methods are slow, labor intensive, and fail to reveal the etiology of a patient's symptoms. The BioFire GI Panel is capable of simultaneous detection and identification of multiple bacteria, viruses, and parasites from individuals with signs and/or symptoms of gastrointestinal infection. It provides faster, more accurate and comprehensive results.

WHO SHOULD BE TESTED?

Individuals who are at risk of spreading disease to others and who present with:

- Dysentery
- Diarrhea with fever, severe abdominal cramps or signs of sepsis
- Moderate to severe disease
- Symptoms lasting more than seven days
- Immunocompromised patients with diarrhea

HOW WILL THIS BENEFIT MY PATIENTS?

Because traditional stool testing methods are slow and lack sensitivity, providers often have to make patient management decisions without a laboratory result. BioFire testing offers fast, sample-to-answer turnaround and accurate results which can help:

- Reduce antibiotic use
- Reduce time to antimicrobial therapy
- Lead to more targeted therapy
- Reduce downstream procedures such as endoscopic and abdominal imaging

HOW DO I ORDER THIS AND HAVE MY PATIENT TESTED?

As a provider, you can place the order in Epic or EpicCare Link. You will need to provide your patient with a Cari Blair collection device. After a sample is collected it will need to be taken to a Baptist Health hospital facility. You will be able to obtain the results via Epic.

If you need more information or have questions about this test, contact Dr. Paul Williams with the Baptist Health Gastroenterology Clinic at 501-219-0721.



Baptist Health

GASTROENTEROLOGY CLINIC