CE-IVDR CERTIFIED

SIMPLE GDH-TOXINS

One-step immunochromatographic test for the differential detection of the glutamate dehydrogenase (GDH) as well as the toxins A and B from C. difficile in human faeces.

operon
immuno & molecular diagnostics

www.operondx.com

Rev. 2

SIMPLE GDH-TOXINS

One-step immunochromatographic test for the differential detection of GDH as well as the toxins A and B from C. *difficile* in human faeces

Clostridium difficile is a spore-forming gram-positive anaerobic bacterium responsible for approximately 25% of the diarrhoea associated with the consumption of antibiotics. In addition to these symptoms, the disease can led to complications (like pseudomembranous colitis, PMC) which require urgent treatment with specific antibiotics as the patient's life may be compromised. C. *difficile*-related mortality might reach 30%.

GDH is an enzyme produced in large quantities by C. *difficile*. It is an excellent marker for the detection of infections caused by this microorganism.

C. *difficile* can release toxins, A and/or B, which are the main virulence factors responsible for the clinical signs of C. *difficile* disease. Nevertheless, not all the strains produce them. In fact, treating non-symptomatic patients is usually ineffective and increases the risk of developing a pathogenic infection.

The international guideline for the diagnosis of C. *difficile* recommends to test all the samples for GDH antigen when the origin of the diarrhoea is unknown followed by a monitoring testing for toxin A and B if the first test is positive.

SIMPLE GDH-Toxins allows you to follow this recommended protocol with just one test helping to make better and faster decisions.

Procedure

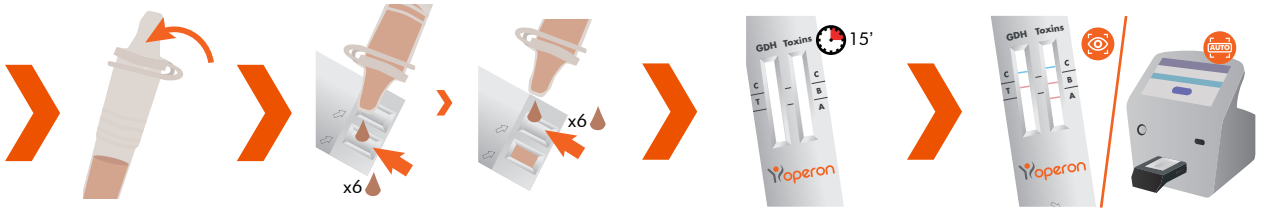
READY TO USE KIT*

Sample collection

Simple and safe

Sample preparation

User-friendly procedure: no special equipment required*



Pour 6 drops in each window

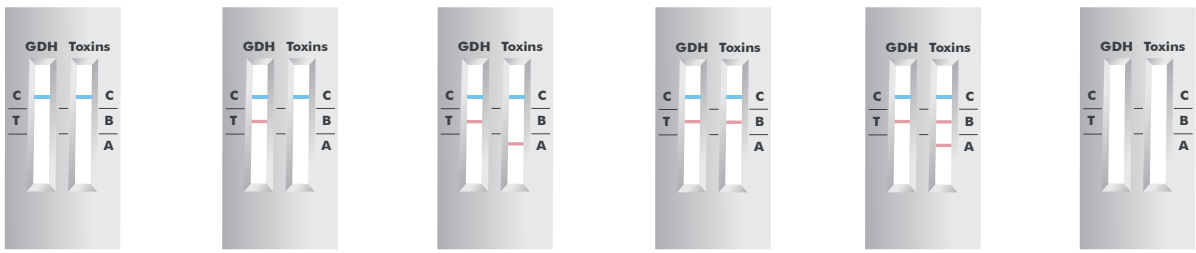
Test running

Results

Simultaneous detection of GDH and toxins A and B

Good performances

Results



Negative

GDH + Toxins -

GDH + Toxin A +

GDH + Toxin B +

GDH + Toxins +

Invalid