

# RANDOX

## ROTA-, NOROVIRUS & C. DIFF RAPID TEST

### Detection of Rota-, Norovirus, Clostridioides difficile (*C. difficile*)

Gastroenteritis is an inflammation of the stomach, small and large intestines. Most acute gastrointestinal illnesses (AGI) are caused by viruses such as Norovirus or Rotavirus but also bacterial pathogens such as *Clostridioides difficile* (*C. difficile*).

*C. difficile* is an anaerobic bacterium, widely distributed in soil and the intestinal tracts of animals. The clinical spectrum of *C. difficile* infection (CDI) ranges from mild diarrhoea to severe life-threatening pseudomembranous colitis.

Norovirus causes most of all gastrointestinal infections and are highly contagious. Rotaviruses are the very cause of severe diarrhoeal illness in infants and young children.

Transmission mostly takes place in healthcare institutions such as hospitals, patient to patient, contaminated hands of healthcare workers or by environmental contamination.

Detection Method: Real-Time PCR

Result Time: Less than 60 minutes

Sample Volume: 300µl

Sample Type: Swab samples from liquid or soft human stool specimens

#### DETECTABLE PATHOGEN

*C. difficile* (toxin genes *tcdA/tcdB*)

Norovirus (genogroup I/II)

Rotavirus type A



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## VIVALYTIC

### Cartridge Based Testing Platform

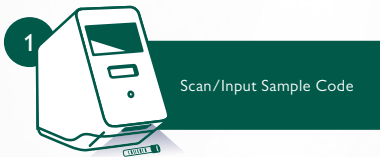
The Rota-, Norovirus & *C. diff* rapid test on Vivalytic offered by Bosch, a point of care platform brought to the market by Randox Laboratories. The Vivalytic system is a fully automated, cartridge-based platform capable of both High-Plex and Low-Plex patient testing. Each easy-to-use cartridge contains all necessary reagents, is a closed system to minimise risk and can be conveniently stored at room temperature.

#### Vivalytic Key Features:

- Cartridge based platform
- Fully-automated
- Suitable for both non-laboratory & laboratory settings
- Small footprint device
- Rapid turnaround from sample entry to results

## VIVALYTIC WORKFLOW

### 4 Easy Steps for Optimised Workflow



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