

# CDI & Gastro tests

*Syndromic testing of pathogens causing gastroenteritis*

mariPOC® CDI test is designed to confirm *C. difficile* infection (CDI) with simultaneous analysis of GDH (*C. difficile* specific surface protein) and disease-causing free *C. difficile* toxins. The test provides the best accuracy in the market for rapid CDI diagnostics.

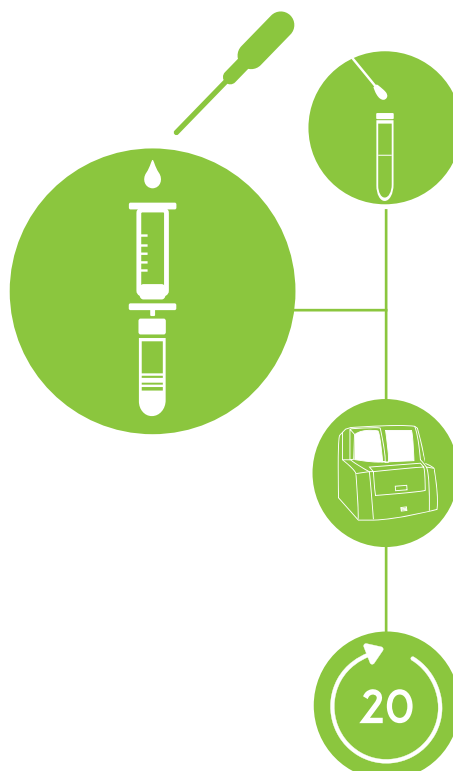
The CDI and Gastro tests can be analysed from the same sample with the automated mariPOC test system. The results can be utilized for optimisation of the use of antibiotics and to avoid unnecessary antibiotic treatment.

mariPOC® Gastro test is a multianalyte test for acute gastroenteritis. The test allows rapid detection and differentiation between the most common viral and bacterial infections from a single stool specimen.

**IDENTIFY** *C. difficile*  
by detecting GDH

**CONFIRM** infection  
by detecting toxins A/B

**BROADEN** pathogen  
coverage with the  
Gastro test



## Simple Workflow

Sample pretreatment

Fully automated analysis

Most positive results in 20 min

## Pathogen coverage

### CDI

*C. difficile* GDH  
*C. difficile* Toxin A/B

### Gastro

Norovirus GII.4  
Norovirus GI  
Rotavirus  
Adenovirus  
Campylobacter spp.

### Time to result

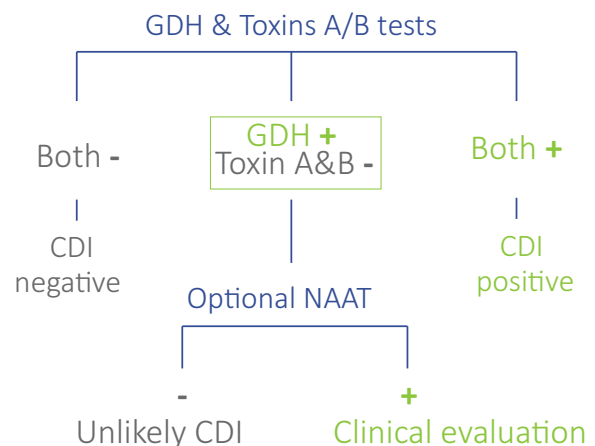
Preliminary	20 min	Positives
Final	2 h	Low positives and negatives

## Upgrade your *C. difficile* detection to meet the ESCMID guidelines

The mariPOC CDI test was developed to meet the ESCMID diagnostic guideline for *C. difficile* infection by simultaneous detection of gene expression of GDH and toxins A and B. The test provides reliable results for toxin producing *C. difficile* with high positive predictive value<sup>1</sup>.

Patients with negative *C. difficile* toxin results should have alternative diagnosis considered and tested. This is simple with mariPOC. The simultaneous use of mariPOC CDI and Gastro test can improve microbiology diagnostics of CDI<sup>2</sup> and thus the cost-efficiency of patient management.

### ESCMID diagnostic guideline for *C. difficile* infection



## Performance

Test	Analyte	Sensitivity (N)	Specificity (N)	Reference test
CDI	<i>C. difficile</i> GDH	100% (24/24)	98.8% (162/164)	For sensitivity: Membrane enzyme immunoassay (MEI) for specificity: PCR and MEI
	<i>C. difficile</i> toxins A/B	> 100% (19/16)	100% (169/169)	For sensitivity: Membrane enzyme immunoassay (MEI) for specificity: PCR and MEI
Gastro	Norovirus GII. 4	> 100% (31/30)	99.5% (380/382)	Lateral flow test
	Norovirus GI	NA	99.5% (426/428)	Lateral flow test
	Rotavirus	100% (4/4)	99.8% (646/647)	Lateral flow test
	Adenovirus	100% (8/8)	99.5% (639/642)	Lateral flow test
	Campylobacter spp.	> 100% to LF (19/18) 91% to culture (20/22)	97.5% (268/274)	Lateral flow (LF) test and Bacterial culture

<sup>1</sup> Savolainen R, et al. (2020) J Clin Microbiol. 58(4):e01872-19.

<sup>2</sup> Krutova M, et al. (2019) J Clin Microbiol. 57(10):e00710-19.