

# BD MAX™ Cdiff Assay

## True walkaway automation to improve diagnosis and treatment of *Clostridium difficile* infections (CDI)

*Clostridium difficile* infections (CDI) have increased substantially in the last decade and continue to challenge clinicians, epidemiologists, and microbiologists. 15-25% of cases of antibiotic-associated diarrhea and over 95% of cases of antibiotic-associated pseudomembranous colitis are caused by CDIs<sup>1</sup>, resulting in over \$1 billion in excess health care costs annually.<sup>2</sup>

Nucleic acid amplification tests provide better sensitivity over enzyme immunoassay (EIA) and glutamate dehydrogenase (GDH) testing algorithms and are easier to perform compared to toxigenic culture.<sup>3,4</sup>

The BD MAX™ Cdiff assay delivers accurate and timely results which enable appropriate treatment and infection control measures to be implemented which helps improve patient outcomes, potentially reduce hospital costs, and increase patient satisfaction.<sup>5</sup>

### BD MAX™ Cdiff

- Rapidly identifies patients with CDI, including those caused by hypervirulent strains
  - Detects the toxin B gene (tcdB); the gene essential for CDI<sup>6</sup>
  - Results available in <3 hours
- Helps improve patient treatment, reducing length of stay
- Enables prompt implementation of infection control measures to prevent transmission.

#### BD MAX™ Cdiff Performance

Sensitivity	96.3%
Specificity	92.4%



Helping all people  
live healthy lives

<sup>1</sup> Bartlett JG et al, CID 46(Suppl 1):S12-S18.  
<sup>2</sup> Dubberke ER, et al, CID 2008;46:497-504.  
<sup>3</sup> Cohen SH, et al, ICHE 2010;31:431-55.

<sup>4</sup> Swindells J, et al, J Clin Microbiol 2010;48:606-8.  
<sup>5</sup> M. Catanzaro, AJIC January 2012.  
<sup>6</sup> Lyras D, et al, Nature 458:1176-9.

# BD MAX™: Giving you the power of choice

The BD MAX™ System is a fully automated sample-to-result platform that provides unique versatility, enabling you to consolidate and standardize your molecular testing.\*

## BD MAX™ Cdiff – simplified, efficient, workflow

With up to 24 results in < 3 hours, BD MAX™ can be easily integrated into your routine laboratory workflow.



## Easy steps, only 1.5 minutes of hands-on time per sample



Add specimen to sample tube



Penetrable cap eliminates swab removal



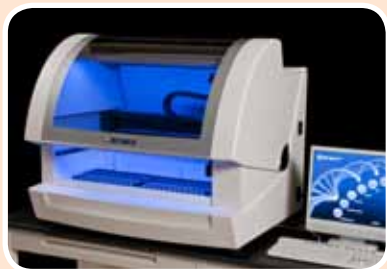
Snap in reagents



Load sample tube in rack

### Additional BD MAX™ features:

1. Bi-directional connectivity
2. Sample ID tracking
3. Reagent inventory tracking



Start run



Load PCR cartridge(s)

Product Description	Catalog Number
BD MAX Cdiff (24 tests)	442555
BD MAX PCR Cartridges	437519

For more information, please contact  
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website: [www.bd.com](http://www.bd.com)



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\*User-defined protocols cannot be performed in the same run as IVD/CE assays.

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