

I need to identify the pathogen asap



Rapid, reliable  
**gastroenteritis**  
diagnostics

When the stakes are high, **why settle for time-consuming diagnostic methods?**

**1.7 billion cases**

of children with infectious gastroenteritis each year<sup>1</sup>

**\$4.2 billion**

in direct health system costs due to Norovirus per year<sup>2</sup>

**2<sup>nd</sup> leading cause of death**

in children under 5 years of age<sup>1</sup>

Traditional diagnostic methods such as culture, microscopy and immunoassay can take up to **2 days** to identify the causative agents of infection, potentially impacting lab workflow, budget, clinical decision-making and patient outcomes. Inefficiency can result in:

- Delayed results<sup>3</sup>
- Difficulty growing certain organisms on culture media<sup>4</sup>
- False results due to subjective interpretation (microscopy)<sup>5</sup>
- Inappropriate antibiotic treatment

**What if you could simplify gastroenteritis testing with...**



**Results in 3 hours** for up to 24 specimens and up to **96 specimens per 8-hour shift?**



Less than **1.5 minutes of hands-on time** in sample preparation?



Greater **sensitivity** and **specificity** on all assays?



**Flexibility** from a targeted menu of enteric assays?

On your **BD MAX™ System**, expand your enteric portfolio with an array of targeted syndromic panels that provide improved **rapid detection of bacterial, viral and parasitic pathogens responsible for ≥95% of infectious diarrhoea.**



Test from **FecalSwab™** or **stool sample\***



Our **focused syndromic approach** optimises testing algorithms by selecting the most appropriate panel based on patient history and clinical presentation

# BD offers targeted syndromic panels to address clinical needs

## BD MAX™ Enteric Bacterial Panel

- *Salmonella* spp.
- *Campylobacter* spp.
- *Shigella* spp. (including EIEC)
- Shiga toxin (stx1/stx2)

Cat: 442963

## BD MAX™ Extended Enteric Bacterial Panel

- *Yersinia enterocolitica*
- *Plesiomonas shigelloides*
- *Vibrio* (*vulnificus*, *parahaemolyticus*, *cholerae*)
- Enterotoxigenic *E. coli* (ETEC)

Cat: 443812 (run with Cat. 442963)

## BD MAX™ Enteric Parasite Panel

- *Giardia lamblia*
- *Cryptosporidium* (*parvum* and *hominis*)
- *Entamoeba histolytica*

Cat: 442960

## BD MAX™ Enteric Viral

- Norovirus GI/GII
- Rotavirus
- Adenovirus (40/41)
- Sapovirus
- Human Astrovirus

Cat: 443985

## BD MAX™ Enteric Viral – NR

- Norovirus GI/GII
- Rotavirus

Cat: 443987

## BD MAX™ Cdiff

- *Clostridioides difficile* toxin B gene (*tcdB*)

Cat: 442555

## Rapid, targeted testing on the BD MAX™ System

The innovation of the BD MAX™ System offers you a **fully integrated, automated real-time PCR platform** with the possibility of running multiple assays simultaneously.\*\* Its automated workflow **reduces manual tasks** to achieve rapid, reliable results and facilitates off-hour testing, helping to **offset molecular testing costs**.\*\*\* 7,8



### Snap

Assemble unitised reagent strips with ready-to-use reagents.



### Load

Load Sample Buffer Tubes, Racks and PCR cartridges.



### Go

Come back in an average of 2.5 hours for results.\*\*\*\*

## Discover our full assay portfolio and the BD MAX™ System



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1. World Health Organization. Diarrhoeal disease. Available at: <https://www.who.int/news-room/fact-sheets/detail/diarrhoeal-disease>. Accessed January 2022. 2. Bartsch et al. Global Economic Burden of Norovirus Gastroenteritis. PLOS ONE, 2016. DOI:10.1371/journal.pone.0151219 3. Mortensen et al. BMC Clin Pathol. 2015;15:9. 4. Anderson et al. J Clin Microbiol. 2014;52(4):1222-1224. 5. Centers for Disease Control and Prevention. Parasites – Amebiasis – Entamoeba histolytica Infection. Available at: <https://www.cdc.gov/parasites/amebiasis/index.html>. Accessed May 2020. 6. Humphries R et al. Clin Microbiol Rev. 2015;28(1):3-31. 7. Mortensen JE, et al. Comparison of time-motion analysis of conventional stool culture and the BD MAX™ Enteric Bacterial Panel (EBP). BMC Clin Pathol. 2015;15:9. 8. Hirvonen JJ, et al. Comparison of BD Max Cdiff and GenomEra C. difficile molecular assays for detection of toxigenic Clostridium difficile from stools in conventional sample containers and in FecalSwabs. Eur J Clin Microbiol Infect Dis. 2015;34(5):1005-1009. \* FecalSwab™ is validated on BD MAX™ Enteric & Extended Enteric Bacterial Panels, BD MAX™ Enteric Parasite Panel, BD MAX™ Enteric Viral Panel and BD MAX™ Enteric Viral Panel-NR. \*\* BD assays are run & rack compatible – Only MDR-TB and GBS are not run and rack compatible / Vaginal Panel and open systems' assays are only run compatible. \*\*\* When compared to culture or immunochromatographic antigen (IA). \*\*\*\* Time to result is assay dependent.