



BD MAX™ Enteric Viral Panels

Real-time PCR assays

The need for rapid enteric viral testing

Gastroenteritis is a transient disorder that can be caused by a multitude of different viral, bacterial and parasitic pathogens.¹ **Viruses are the culprits in 50-70% of acute gastroenteritis cases** followed by bacteria (15-20%) and parasites (10-15%).²

Norovirus is the most common cause of acute gastroenteritis (one in five cases), causing an estimated 685 million cases annually.³ 200 million of these are in children under the age of five. Norovirus infections result in an estimated \$60 billion globally every year due to healthcare costs and lost productivity, with illnesses and outbreaks being more common in cooler winter months.³ **Rotaviruses** are ubiquitous, infecting almost every child globally by 3–5 years of age and are a leading cause of severe, dehydrating gastroenteritis.⁴

Discover the assay

The **BD MAX™ Enteric Viral Panel** is an automated assay including nucleic acid extraction and real-time polymerase chain reaction (PCR) for direct and qualitative detection and differentiation of:

- **Norovirus GI & GII** • **Rotavirus A** • **Adenovirus F40/41** • **Sapovirus (genogroups I, II, IV, V)**
- **Human Astrovirus.**

This test also includes a sample processing control.

With **BD MAX™ Enteric Viral Panel-NR** you can focus on the 2 major enteric viruses: **Norovirus GI & GII and Rotavirus A.**

Sample types

- Unpreserved soft to diarrhoeal stool
- Carry-Blair preserved stool
- FecalSwab™

Workflow and time to results



Results obtained in about **3 hours for 24 samples, helping to provide same-day decisions** to support patient management and help reduce transmission risk



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



Compatibility to run alongside other BD MAX™ assays on 1 to 24 specimens simultaneously for greater flexibility

Scientific evaluation

Read more about the **BD MAX™ Enteric Viral Panel & BD MAX™ Enteric Viral Panel-NR** from molecular studies & publications.



Stokes et al., Multicenter Clinical Validation of the Molecular-Based BD MAX™ Enteric Viral Panel for the Detection of Enteric Pathogens., *J Clin Microbiol.* 2019 Aug 26;57(9).

Ready-to-use reagents storable at room temperature

REF	Contents	Quantity
443985	BD MAX™ Enteric Viral Panel Master Mix (D6) Dried PCR Master Mix containing nucleotides and specific molecular probes and primers along with Sample Processing Control and PCR enzyme	24 tests (2 x 12 tubes)
	BD MAX™ Enteric Viral Panel Master Mix (D5) Dried PCR Master Mix containing nucleotides and specific molecular probes and primers along with Sample Processing Control and PCR enzyme	24 tests (2 x 12 tubes)
	BD MAX™ Enteric Viral Panel Unitised Reagent Strip Unitised reagent strip containing wash buffer, elution buffer, and neutralisation buffer reagents, as well as disposable pipette tips necessary for sample processing and DNA/RNA extraction	24 strips
	BD MAX™ Enteric Viral Panel Extraction Tube (D4) Dried extraction reagent containing DNA/RNA magnetic affinity beads, Proteinase K and Sample Processing Control	24 tests (2 x 12 tubes)
	BD MAX™ Enteric Viral Panel Sample Buffer Tube	24 tubes
	BD MAX™ Enteric Viral Panel Inoculating Loop	30
	Septum Cap	25

BD MAX™ Enteric Viral Panel-NR (ref. 443987) has similar content as ref. 443985 with only one master mix – BD MAX™ Enteric Viral Panel-NR Master Mix (D6).

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.**** 5,6



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



advancing-diagnostics.eu



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BD MAX™ Enteric Viral Panel [IFU 443985], Franklin Lakes, NJ: Becton, Dickinson and Company; 2021.

1. NICE. Gastroenteritis : Summary. NICE 2020. Available at: <https://cks.nice.org.uk/topics/gastroenteritis/>. Accessed October 1, 2021. 2. Graves NS. Acute gastroenteritis. Primary Care - Clinics in Office Practice 2013;40:727-741. 3. Centers for Disease Control and Prevention. Norovirus Worldwide. Centres for disease control 2018. Available at: https://www.cdc.gov/norovirus/trends-outbreaks/worldwide.html?CDC_AA_refVal=https%3A%2F%2Fwww.cdc.gov%2Fnorovirus%2Fworldwide.html. 4. Crawford SE et al., Rotavirus infection. Nature Reviews Disease Primers 2017;3. 5. 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. 6. 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.

* 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).

*** Times are assay dependent. 4 hours for full results on MDR-TB assay.

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