



ReadyMax™ Assays

EP-1 assay (enterohemorrhagic *E. coli*)
as snap-in tube for use on the BD MAX™ system



E. coli (EHEC) typically cause acute bloody diarrhea, which may lead to hemolytic-uremic syndrome. There are > 100 serotypes of EHEC. O157:H7 is the best-known but many others cause a similar illness. EHEC have a bovine reservoir, so outbreaks often result from ingestion of undercooked beef, but many other foods (e.g., fresh produce, raw milk) and sources (e.g., direct exposure to animals) may be involved. Use stool tests to identify Shiga toxin, the Shiga toxin gene and cultures to identify EHEC.

At the Max von Pettenkofer-Institut for Medical Microbiology (Ludwig-Maximilians-University, Munich, Germany) a multiplex qPCR has been developed for the fast and reliable detection of EHEC pathogens using the BD MAX™ system.

The EP-1 assay allows for the detection of:

- > *EHEC stx1*
- > *EHEC stx2*
- > *EHEC eaeA*
- > *EHEC hlyA*

The qPCR has been validated for bacterial culture.

Primers and probes are dried in snap-in tubes (EP-1) and ready for use on the BD MAX™. The snap-in tubes are manufactured and marketed by Biolegio (Nijmegen, The Netherlands).

The EP-1 assay (dried primers and probes as snap-in tubes) can be obtained from Biolegio:

info@biolegio.com

The protocol for usage of the EP-1 test on the BD MAX™ is freely available by sending an e-mail to:

schubert@med.uni-muenchen.de

Part numbers:

- BDT-14013-24 (24 tubes)
- BDT-14013-48 (48 tubes)
- BDT-14013-96 (96 tubes)