

Introducing eDetect

Advanced PCR Diagnostic Line

AVAILABLE
SINCE
Q1-Q2/2027

TO BE
CE IVD-R

EU
COMPONENTS
ONLY

PRODUCTION
IN THE CZECH
REPUBLIC



Ecoli Dx transforms into an innovative producer

- New R&D center for eDetect
- Multiple development projects going on
- Truly European origin
- All products to be CE marked under Regulation (EU) 2017/746 (**IVD-R**)
- RUO versions will also be available
- In-house production: short lead times
- Absolute control over quality: improved warranty and support

Main features



DOUBLE CONTROL OVER QUALITY

- **EXO-IC: internal exogenous control (to be added to the sample before NA extraction)**
 - NA extraction efficiency
 - Control of PCR inhibition
- **ENDO-IC: internal endogenous control**
 - Quality and adequacy of sample collection (control of cellular material presence in the sample)
 - Detection of a human RPP30 gene



FAST AND CONVENIENT ASSAY SETUP

- After reconstituting the polymerase, **the mastermix is ready to use** and can be directly pipetted into the PCR plastic
- **Hot Start polymerase** enables assay setup at room temperature, eliminating the need to cool reagents while reducing the risk of non-specific amplification
- Standards for multiplex assays provided in **easy-to-use quantification mixes** (see section Accurate sample quantification)



UNIFIED PCR THERMAL CYCLING PROTOCOL LABS

- Single setting at your real-time PCR thermal cycler for all eDetect assays
- You can combine different eDetect assays within one run



PACKAGE SUITABLE ALSO FOR LOW-THROUGHPUT LABS

- **Package suitable also for low-throughput labs**
- **Packaging volume is 50 reactions only**
- **Lyophilized polymerase provided in 2 separate tubes (2x25 reactions) allows you to reconstitute them as you need them**
 - You can reconstitute the second tube later to protect it from unnecessary freeze-thaw cycles or contamination
- **Guaranteed shelf life 12 months (to be 24 months in future)**



USE ANY REAL-TIME PCR INSTRUMENT

- **The kits have been validated on:**
 - Bio-Rad CFX Opus 96 Real-Time PCR System
 - Rotor-Gene™ Q
- **However, the kit can also be used other PCR instruments with corresponding fluorescent channels**
- **Any type of PCR plastic can be used to fit your PCR instrument:**
 - Standard PCR plastic, low profile PCR plastic, Rotor-Gene™ Q rotor strips, etc.



ACCURATE SAMPLE QUANTIFICATION

- **4 standards included in quantitative assays to ensure maximum quantification accuracy and a reliable standard curve**
- **Easy-to-use quantification mixes in multiplex assays**
 - Each quantification mix tube contains a standard for all targets in the specific kit in a specific quantity. Therefore, even for multiplex assays, a single set of standards (quantification mixes) is provided in the kit.



PROTECTION AGAINST CONTAMINATION

- **Uracil-DNA Glycosylase (UDG), an enzyme used in PCR applications to prevent carryover contamination from previous PCR reactions, is included in the mix with polymerase**



AUTOMATION-READY ASSAY SETUP

- **The reconstituted, ready-to-use mastermix can be directly pipetted/dispensed into the PCR plastic of your choice:**
 - Any type of PCR plastic (individual PCR tubes, PCR strips, PCR plates...) can be used to fit your workflow
- **The volume of the reagents is provided in surplus of almost 10 % (extra)**
 - This helps you to cope with higher dead volumes necessary for the automation of PCR setup



CONVENIENT SHIPPING

- **Transport possible at room temperature**
 - Saves shipping costs and simplifies the transport, no need for dry ice nor blue ice

Roadmap 2026/27

Qualitative (QL) and quantitative (QT) assays

HCV & HBV

- Hepatitis C virus QT
- Hepatitis B virus QT

TORCH

- Toxoplasma gondii QL
- Rubella virus QL
- Parvovirus B19 QL

STI multiplex kits

- CT-NG QL
 - Chlamydia trachomatis
 - Neisseria gonorrhoeae
- MG-MH-US QL
 - Mycoplasma genitalium
 - Mycoplasma hominis
 - Ureaplasma species (U. parvum, U. urealyticum without differentiation)

Herpetic-viruses multiplex kits

- CMV-EBV-HHV6 QT
 - Cytomegalovirus
 - Epstein-Barr virus
 - Human Herpesvirus 6 A,B
- HSV1-HSV2-VZV QT
 - Herpes Simplex Virus Type 1
 - Herpes Simplex Virus Type 2
 - Varicella-Zoster Virus

