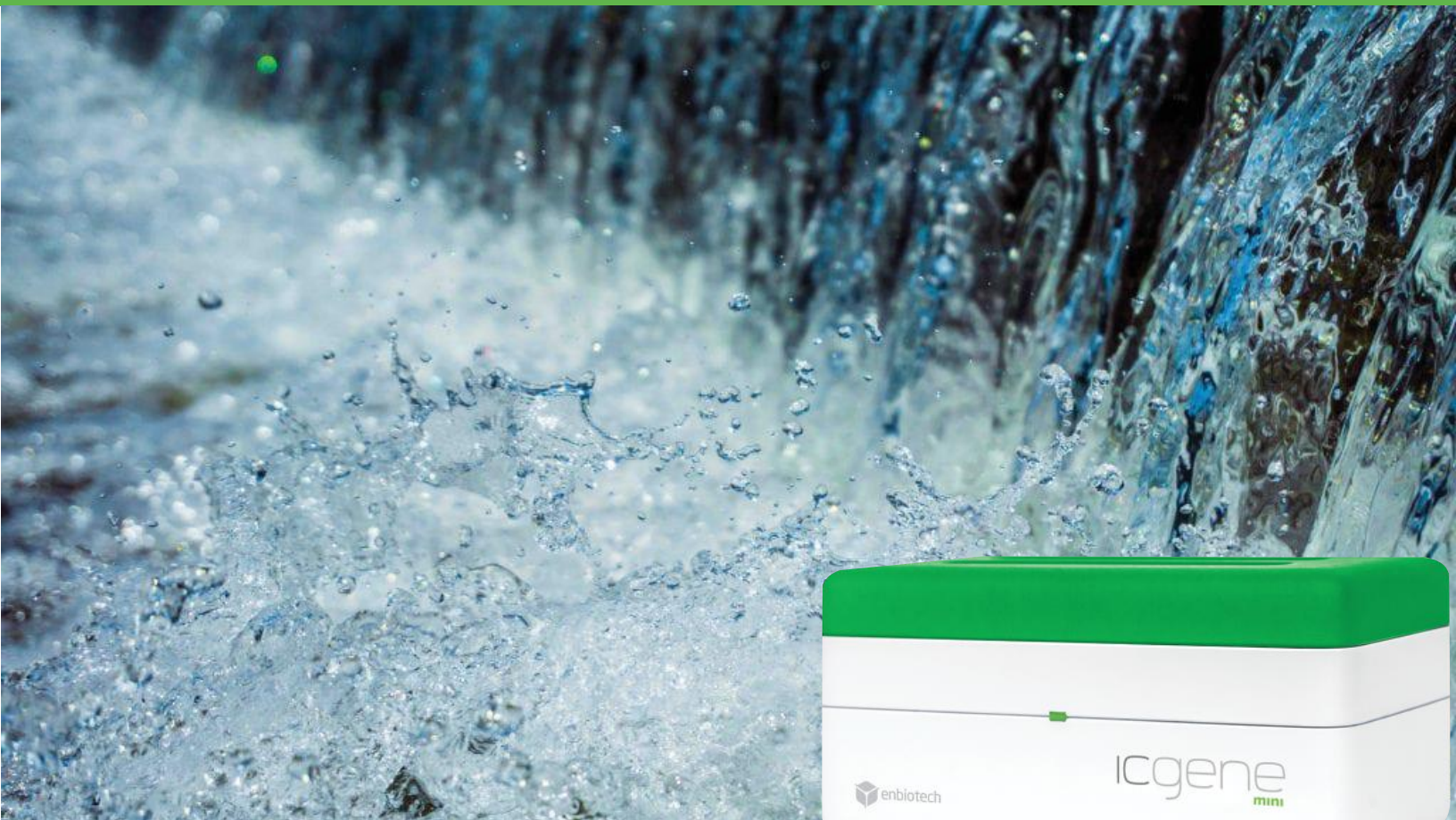




icgene
mini

LAB BEYOND

CAMPYLOBACTER SPP.



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Cat. No. EBT 628_48 48 tests

KIT REAGENTS AND COMPONENTS – Kit consists of the following ready-to-use reagents:

Extraction buffer	yellow cap bottles containing extraction buffer
Primer mix	freeze-dried primers specific for <i>Campylobacter spp.</i> in 0.2 ml tube's strip
LAMP mix	green cap tube containing a mix including enzyme and storage buffer
Mineral oil	blue cap tube containing mineral oil
Positive control	red cap tube containing freeze-dried plasmid DNA ready-to-use for LAMP reaction
Negative control	white cap tube extraction buffer

Campylobacter spp. badge Contactless badge for identification of the kit containing information relating to lot number, expiration date and provides the parameters associated with the kit

KIT FEATURES

- Ready-to-use system for total nucleic acid extraction in only few minutes without sophisticated laboratory equipment
- Ready-to-use reagents avoid the possibility of environmental contamination or human error
- Speed and easiness of the test (about 60 minutes)
- Possibility to use water samples
- Possibility of performing genetic tests directly in the field
- Shipping at room temperature
- All reagents are stored at 4°C

Specific kit for the rapid detection of *Campylobacter spp.* from water (water supply systems and water for industrial use).

Campylobacter spp. kit is designed for rapid nucleic acid extraction and amplification by LAMP technology. All steps are performed by using ICGENE MINI instrument (Enbiotech Cat. No. EBT801).

ANALYTICAL PROCEDURE – ICGENE Mini performs 3 steps:

1. { Nucleic acid extraction
2. { Gene amplification
3. { Detection and interpretation of results

After DNA extraction (in few minutes), samples can be processed by LAMP amplification. For each sample, Primer mix tubes are used dispensing the recommended aliquots of the extracted DNA, LAMP mix, and mineral oil, as specified in the kit manual.

By placing the kit's badge near to the ICGENE MINI device, the system recognizes the kit through radio-frequency identification (RFID) technology and performs the analyses specifically designed for *Campylobacter spp.* detection.

RESULTS INTERPRETATION

ICGENE MINI system performs automatic interpretation of the results. Data are displayed on an Android tablet connected to ICGENE MINI, through which it is possible to control the analytical steps and manage the results. A sigmoid curve indicates a positive sample, whereas a straight line indicates a negative sample for *Campylobacter spp.* On the left of the tablet screen, a "+" symbol appears next to the sample's name in case it is positive. The analysis results are synchronized with the ICGENE portal server where they can be browsed using its web app.

PERFORMANCE CRITERIA

Stability: The kit is stable at room temperature during transportation. Upon arrival, the kit must be stored at 4°C. Following the strict storage parameters the kit is stable for 1 year.



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