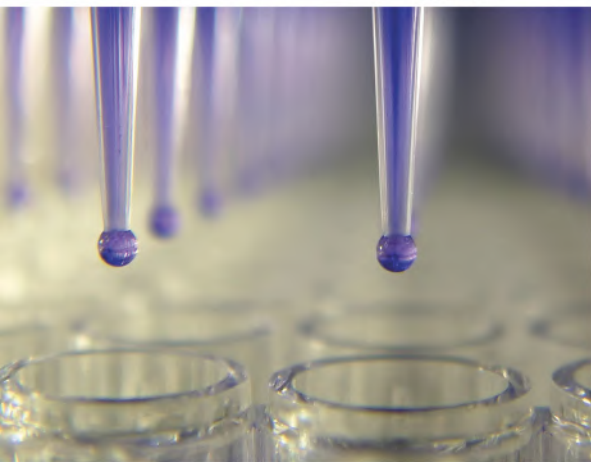


icgene
mini

LAB BEYOND

CAMPYLOBACTER COLI / JEJUNI



CAMPYLOBACTER COLI / JEJUNI

Cat. No. EBT-618 / 619_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 coli</i> / <i>jejuni</i> in 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 sample	red cap tube containing freeze-dried plasmid DNA for LAMP reaction
Negative sample	white cap tube containing extraction buffer
Sterile Water	clear cap tube containing sterile water
<i>Campylobacter coli</i> / <i>jejuni</i> badge	Contactless badge for identification of the kit containing information relating to the 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
- All reagents are stored at 4°C
- Shipping at room temperature

Specific kit for the rapid detection of *Campylobacter coli* and *C. jejuni* from food samples.

Campylobacter coli / *jejuni* kit is designed for a 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 for direct testing 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 coli* and *C. jejuni* detection.

RESULTS INTERPRETATION

ICGENE mini system performs automatic interpretation of the results. Data are displayed on an Android tablet connected to the 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 coli* and *C. jejuni*. 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 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.

Aziende con Sistema di Qualità ISO 9001:2015



Exclusive Distributor
Avantech Group s.r.l.
Via M. Salernitano, 28 - Angri (SA)
T +39 081-5132163
avantech.it – info@avantech.it



Enbiotech s.r.l.
Via Quarto dei Mille – 90129 Palermo, Italy
T +39 091 7742610
enbiotech.eu – info@enbiotech.eu