

# LightMix® OneTube Gastro Bac I (RUO)

Qualitative multiplex PCR detection of gastro bacterial targets for research use only testing on LightCycler® instruments.



**Convenience**



**Consistency**



**Fewer plastics and less waste**

Primer and probe sets have been premixed and combined for you, reducing error risks associated with complex mastermix preparation. Additionally, you'll receive fewer plastics creating less waste which can support your sustainability goals.

Streamline your workflow with pre-designed, pre-mixed multiplex primer/ probe sets, courtesy of TIB Molbiol, for use on LightCycler® platforms<sup>1</sup>.



## Product concept

1x vial with 6 sets of primer/probes for 96 reactions/20 µL volume.  
1x vial Positive Control



## Inclusivity

Qualitative multiplex PCR detection and discrimination of 5x gastrointestinal bacterial targets: **1) Yersinia enterocolitica**, **2) Campylobacter species** (inclusive, but not differentiating *C. coli*, *C. jejuni*, *C. lari*, *C. upsaliensis*, *C. ornithocola*, *C. volucris*, *C. hyointestinalis*, *C. helveticus*, *C. peloridis*), **3) Shigella spp./Enteroinvasive Escherichia coli**, **4) Salmonella spp.** **5) Aeromonas spp.**



## Exclusivity

**1) Campylobacter spp.** (*C. fetus*, *C. hominis*, *C. sputorum* or *C. ureolyticus*),  
**2) Helicobacter spp.** (*H. pylori*, *H. pullorum*).



## Sensitivity

This assay detects 10 genome equivalent copies or less per reaction (plasmid DNA dilution).



## Sampling

Typical specimens are feces, rectal swabs, or bacterial culture



## Usage

Refer to **Instructions for Use**. Default thermal cycling protocol recommended.



## Labelling

RUO<sup>2</sup>



## Stability

18 months

<sup>1</sup>Compatible with LightCycler® PRO and LightCycler® 480 II<sup>2</sup>

<sup>2</sup>For Research Use Only. Not for use in diagnostic procedures.

Reference: LightMix® OneTube Gastro Bac I, Package Insert

# Ordering Information

Product name	Reactions/volume	Material number
LightMix® OneTube Gastro Bac I (RUO)	96 reactions/20 µL	10409363001
LightCycler® Multiplex DNA Master	200 reactions/20 µL	07339585001
	1000 reactions/20 µL	07339577001
PhHV Extraction Control (660)	96 reactions/20 µL	07093802001

For Research Use Only. Not for use in clinical diagnosis.

## Channel configuration

Five optical channels are used to detect the following targets. The 660 channel is recommended for the PhHV Extraction Control

500	530	580	610	640	660
Y. enterocolitica	Campylobacter	Shigella/EIEC	Salmonella	Aeromonas	PhHV EC



LightCycler® PRO System

Reference: LightMix® OneTube Gastro Bac I, Package Insert

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