

LightMix® OneTube Gastro Bac II (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® platforms¹.



Product concept

1x vial with 7 sets of primer/probes for 96 reactions/20 µL volume.
1x vial Positive Control



Inclusivity

Qualitative multiplex PCR detection and discrimination of 6x 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* and *C. peloridis*), **3)** *Shigella spp./Enteroinvasive Escherichia coli*, **4)** *Salmonella spp.* **5)** *Aeromonas spp.*, **6)** *Plesiomonas 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

RUO²



Stability

18 months

¹Compatible with LightCycler® PRO and LightCycler® 480 II²

²For Research Use Only. Not for use in diagnostic procedures.

Reference: LightMix® OneTube Gastro Bac II, Package Insert

Ordering Information

Product name	Reactions/volume	Material number
LightMix® OneTube Gastro Bac II (RUO)	96 reactions/20 µL	10409410001
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

Six 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	700
Y. enterocolitica	Campylobacter	Shigella/EIEC	Salmonella	Aeromonas	PhHV EC	Plesiomonas



LightCycler® PRO System

³The FLOW System is for General Lab Use Only.

Reference: LightMix® OneTube Gastro Bac II, Package Insert

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Published by

Roche Diagnostics
9115 Hague Road
Indianapolis, IN 46250

MC-US-17302

diagnostics.roche.com