

# gb OneStep IPC Elite RT-qPCR Kit

## Description of the product

gb OneStep IPC Elite RT-qPCR Kit contains hot-start Taq DNA polymerase, reaction buffer, dNTP, MgCl<sub>2</sub> and M-MuLV reverse transcriptase and internal positive control (IPC). The IPC contained in the Master Mix is used to check the correctness of the PCR, allowing the user to distinguish a sample that appears to be negative due to poorly passed PCR, from a truly negative sample.

## Recommended use

gb OneStep IPC Elite RT-qPCR Kit is intended **for high sensitivity**

**reverse transcription (RT) and real-time PCR (qPCR) performed in one step (in one reaction)**, i.e. onestep RT-qPCR. No additional instrumentation is required; the onestep RT-qPCR analysis can be performed directly on any real-time PCR cyclers simply by adding a thermal step for reverse transcription prior to a PCR amplification.

The IPC signal is detected in the HEX / JOE / VIC fluorescence channel. gb OneStep IPC RT-qPCR Kit does not contain any passive reference dye, it can be added to the reaction mixture separately (Passive Reference Dye, Cat. No. 3010 – on request).

## Available products

Cat. No.	Product	rxn
3019-050	gb OneStep IPC Elite RT-qPCR Kit	50
3019-500	gb OneStep IPC Elite RT-qPCR Kit	500

*1 tube contains reagents to provide 50 or 500 reverse transcriptions (20 µl volume of each reaction).*

## Parameters of the product

- Kit consists of 2 vials (OneStep IPC Buffer and OneStep IPC Enzyme). After mixing the 2 vials together you will get a complete **OneStep IPC Master Mix**.
- gb OneStep IPC RT-qPCR Kit is **2x concentrated** and is sufficient for 50/500 reactions of 20 µl.

