

Description of the product

gb OneStep RT-qPCR Kit contains hot-start Taq DNA polymerase, reaction buffer, dNTP, MgCl₂ and M-MuLV reverse transcriptase. gb OneStep RT-qPCR Kit does not contain any passive reference dye, it can be added to the reaction mixture separately - see Passive Reference Dye, Cat. No. 3010 – on request).

Purpose of the product

gb OneStep RT-qPCR Kit is intended for 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.

Available products

Cat. No.	Product	rxn
3018	gb OneStep RT-qPCR Kit	50

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

Parameters of the product

- Kit consists of 2 vials (OneStep Buffer and OneStep Enzyme). After mixing the 2 vials together you will get a **complete OneStep Master Mix**.
- One tube of complete OneStep Master Mix contains amount of 530 µl, which is **2x concentrated** and sufficient for making 50 reactions of 20 µl each.

Contents

**	Description	Volume	Concentration
●	Mix A - OneStep Buffer	1× 530 µl *	2×
○	Mix B - OneStep Enzyme	(after mixing)	2×

* 50 rxn – the number of reactions is calculated for volume of 20 µl / one PCR reaction

** Lid colour

