

## Quant-X™ One-Step qRT-PCR TB Green® Kit

Catalog No.	Amount	Lot Number
638317 (Not sold separately) Sold as part of 631235 & 631453	200 rxns	Specified on product label.

### Description

The Quant-X One-Step qRT-PCR TB Green Kit provides an optimized system for performing quantitative reverse transcription PCR (qRT-PCR) in a single reaction. Inclusion of TB Green Dye in the 2X Quant-X Buffer allows convenient and easy detection of qPCR products. Sufficient reagents are supplied for 200 reactions of 25 µl each.

### Package Contents

- 3 tubes 2X Quant-X Buffer (0.84 ml/tube)
- 100 µl Quant-X Enzyme (5 U/µl)
- 100 µl RT Enzyme Mix
- 2 tubes RNase-Free Water (1.25 ml/tube)
- 100 µl 50X ROX Reference Dye LSR
- 100 µl 50X ROX Reference Dye LMP

### Storage Conditions

- Store at –20°C.

### Expiration Date

- Specified on product label.

### Shipping Conditions

- Dry ice

### Product Documents

Documents for our products are available for download at [takarabio.com/manuals](http://takarabio.com/manuals)  
The following documents apply to this product:

- Quant-X One-Step qRT-PCR TB Green Kit User Manual
- Quant-X One-Step qRT-PCR TB Green Kit Protocol-At-A-Glance

### Quality Control Data

#### Amplification by Real-Time PCR:

The Quant-X One-Step qRT-PCR TB Green Kit was used to amplify a region of the mouse histocompatibility 32 (*H32*) gene by real-time PCR. The kit exhibited >90% amplification efficiency with template that had been serially diluted tenfold from 100 ng–100 pg. In addition, the sample and control reactions produced Ct values that differed by less than 1 cycle.

# Certificate of Analysis

Cat. No. 638317

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## **Fluorescence Signals:**

The Quant-X One-Step qRT-PCR TB Green Kit was used to amplify a region of lambda DNA by real-time PCR. Under the conditions used, the fluorescence signals produced by TB Green Dye ranged from 750–950, those produced by ROX Reference Dye LSR ranged from 800–1,300, and those produced by ROX Reference Dye LMP ranged from 100–300. For all three dyes, no significant difference was observed between the fluorescence signals produced by the sample and control reactions.

It is certified that this product meets the above specifications, as reviewed and approved by the Quality Department.

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### CATALOG NO.

638317

### NOTICE TO PURCHASER:

Our products are to be used for **Research Use Only**. They may not be used for any other purpose, including, but not limited to, use in humans, therapeutic or diagnostic use, or commercial use of any kind. Our products may not be transferred to third parties, resold, modified for resale, or used to manufacture commercial products or to provide a service to third parties without our prior written approval.

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