

Terra™ qPCR Direct TB Green® Premix

Catalog No. 638319	Amount 200 rxns	Lot Number Specified on product label.
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Description

Terra qPCR Direct TB Green Premix is a 2X master mix designed specifically for real-time PCR with TB Green chemistry. In addition to TB Green I dye, this mix contains Terra qPCR Direct Polymerase, a novel enzyme developed for optimal amplification from crude or dirty templates; it's perfect for amplifying short DNA targets (up to 2 kb), regardless of GC content or template purity. The premix also contains a monoclonal antibody that suppresses polymerase activity up to 98°C, allowing automatic hot-start PCR.

Package Contents

- 5 tubes 2X Terra qPCR Direct TB Green Premix (1 ml/tube)
- 200 µl ROX Reference Dye LSR (50X)
- 200 µl ROX Reference Dye LMP (50X)

Storage Conditions

- Store at -70°C in the dark.
- After thawing, store at 4°C in the dark for up to 6 months.
- Do not refreeze.

Expiration Date

- Specified on product label.

Shipping Conditions

- Dry ice

Product Documents

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

- Terra qPCR Direct TB Green Premix User Manual
- Terra qPCR Direct TB Green Premix Protocol-At-A-Glance

Quality Control Data

Purity

Supercoiled pBR322 DNA (0.6 µg) and HindIII-digested λ DNA (.6 µg) were incubated with 10 units of Terra PCR Direct for 1 hour at 74°C; no nicking, endonuclease, or exonuclease activity was detected.

Activity

Real-time PCR was performed using Terra qPCR Direct TB Green Premix to amplify a 167 bp target from HL60 cDNA and a 985 bp target from human genomic DNA. The premix amplified both targets through the range of dilutions tested. The resulting standard curve yielded an $R^2 > 0.98$, with an amplification efficiency between 0.8 and 1.1.

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

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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.

Your use of this product is also subject to compliance with the licensing requirements, listed below if applicable, and described on the product's web page at <http://www.takarabio.com>. It is your responsibility to review, understand and adhere to any restrictions imposed by these statements.

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