

Terra™ PCR Direct Polymerase

Catalog No. 639270	Amount 200 rxns	Lot Number Specified on product label.
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Description

Terra PCR Direct Polymerase Mix is a novel enzyme developed for direct amplification from tissue samples, crude extracts, and dirty templates. It's perfect for amplifying short DNA targets (up to 2 kb), regardless of GC content or template purity. Terra PCR Direct is a highly sensitive enzyme that allows amplification of targets from small amounts of template. Moreover, the enzyme comes pre-blended with a monoclonal antibody that suppresses polymerase activity up to 98°C, allowing automatic hot start PCR.

Package Contents

- 200 µl Terra PCR Direct Polymerase Mix (1.25 U/µl)
- 5 tubes 2X Terra PCR Direct Buffer (with Mg²⁺, dNTP; 1 ml/tube)
- 3 tubes Proteinase K (100 µl/tube)

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

The following documents apply to this product:

- Terra PCR Direct Polymerase Mix User Manual
- Terra PCR Direct Polymerase Mix Protocol-at-a-Glance

Quality Control Data

Purity:

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

Activity:

1. Terra PCR Direct was used to amplify 0.5 and 2 kb targets from human genomic DNA. The enzyme produced high yields of each target, with little or no background.
2. Terra PCR Direct was used to amplify a 4 kb target from mouse genomic DNA. The enzyme produced high yields of the target, with little or no background.

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

Takara Bio USA, Inc.

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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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