

Terra™ Direct PCR Polymerase Mix

Catalog No.
639270

Amount
200 rxns

Lot Number
Specified on product label.

Description

Terra Direct PCR 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. The mix 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 Direct PCR Polymerase Mix (1.25 U/µl)
- 5 tubes 2X Terra Direct PCR 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 Direct PCR Polymerase Mix User Manual
- Terra Direct PCR 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 Direct PCR Polymerase Mix for 1 hr at 74°C; no nicking, endonuclease, or exonuclease activity was detected.

Activity:

1. Terra Direct PCR Polymerase Mix 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 Direct PCR Polymerase Mix 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.

2560 Orchard Parkway, San Jose, CA 95131, USA

U.S. Technical Support: technical_support@takarabio.com

United States/Canada
800.662.2566
(101424)

Asia Pacific
+1.650.919.7300

Europe
+33.(0)1.3904.6880

Japan
+81.(0)77.565.6999

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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.

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U.S. Technical Support: technical_support@takarabio.com

United States/Canada

Asia Pacific

Europe

Japan

10/14/2024

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