

Terra™ Direct PCR Red Dye Premix

Catalog No.
639286

Amount
200 rxns

Lot Number
Specified on product label.

Description

Terra Direct PCR Red Dye Premix is a 2X master mix that contains everything you need to amplify DNA directly from animal and plant tissue. The mix contains Terra Direct PCR Polymerase, a highly sensitive enzyme that allows amplification of targets from small amounts of template. In addition, the enzyme readily amplifies short DNA targets (up to 2 kb), regardless of GC content or template purity.

Package Contents

- 5 tubes 2X Terra Direct PCR Red Dye Premix (1 ml/tube)
- 5 tubes dH₂O (1 ml/tube)
- 2 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 Red Dye Premix Protocol-At-A-Glance

Quality Control Data

Amplification from a mouse genomic DNA template:

The Terra Direct PCR Red Dye Premix was tested in a 50 µl PCR reaction using 100 ng of mouse genomic DNA as a template and primers (0.3 µM each) specific for a 4 kb fragment of the *Ccnd2* gene.

Cycling conditions were set at:

98°C	2 min	
30 cycles:		
98°C	10 sec]
68°C	4 min	

A 5 µl portion of the PCR product was run on a 1% TAE/agarose gel to confirm the presence of a 4 kb band with minimal background.

Takara Bio USA, Inc.

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Certificate of Analysis

Cat. No. 639286

Terra Direct PCR Red Dye Premix

Amplification from a human genomic DNA template:

The Terra Direct PCR Red Dye Premix was tested in a 50 μ l PCR reaction using 100 ng of human genomic DNA as a template and primers (0.3 μ M each) specific for a 0.5 kb fragment of the *APOE* gene.

Cycling conditions were set at:

98°C	2 min	
30 cycles:		
98°C	10 sec]
68°C	30 sec	

A 5 μ l portion of the PCR product was run on a 1% TAE/agarose gel to confirm the presence of a 0.5 kb band with minimal background.

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.

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