

## Terra™ PCR Direct Polymerase Mix (Sample)

Catalog No.	Amount	Lot Number
639269 (Not sold separately)	40 rxns	Specified on product label.

### 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

- 40 µl Terra PCR Direct Polymerase Mix (1.25 U/µl)
- 1 ml 2X Terra PCR Direct Buffer (with Mg<sup>2+</sup>, dNTP)
- 100 µl Proteinase K

### Storage Conditions

- Store at -20°C

### Shelf Life

- 1 year from date of receipt under proper storage conditions.

### Shipping Conditions

- Dry ice (-70°C)

### Product Documents

Documents for Clontech® products are available for download at [www.clontech.com/manuals](http://www.clontech.com/manuals)

The following documents apply to this product:

- Terra PCR Direct Polymerase Mix User Manual (PT5126-1)
- Terra PCR Direct Polymerase Mix Protocol-at-a-Glance (PT5126-2)

### 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 hour 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.

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### CATALOG NO.

639269

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### STATEMENT 68

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