

Titanium® *Taq* SP EcoDry™ Premix

Catalog No.
638519

Amount
48 rxns

Lot Number
Specified on product label.

Description

Titanium *Taq* SP EcoDry Premix is a convenient dry master mix that allows efficient amplification of DNA templates. When reconstituted, each tube of Titanium *Taq* SP EcoDry Premix contains all of the necessary reagents for high-yield PCR, including Titanium *Taq* DNA Polymerase Mix, dNTPs, and optimized buffer. Titanium *Taq* combines a 5'-exonuclease-deficient *Taq* DNA polymerase with TaqStart® Antibody to allow automatic hot-start PCR. Simply reconstitute the mix by adding PCR-grade water along with your primers and template. EcoDry premixes are packaged as individual 8-well tube strips with optically clear sealing caps.

Package Contents

- 6 x 8-tube strips Titanium *Taq* SP EcoDry Premix
- 6 Optically Clear PCR Cap Strips (8 caps/strip)

Storage Conditions

- Store at room temperature. Keep free from moisture. Store opened, unused product in a desiccator at room temperature.

Shelf Life

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

Shipping Conditions

- Room temperature

Product Documents

Documents for our products are available for download at takarabio.com/manuals

The following documents apply to this product:

- Titanium *Taq* SP EcoDry Premix Protocol-at-a-Glance

Takara Bio USA, Inc.

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Quality Control Data

Raw Material Quality Control

Purified N-terminal deletion mutant of *Taq* DNA polymerase was tested for enzymatic activity and PCR performance. Assays were performed to detect endonuclease, exonuclease, and DNA contamination.

Functional Quality Control

Amplification from a cDNA template:

7 tubes in a sample strip from this lot of Titanium *Taq* SP EcoDry Premix were tested using 2.5 μ l of Marathon®-Ready Human Placenta DNA (Cat. No. 639311) per tube as template, and primers (0.2 μ M each) specific to a 1.3-kb fragment from the transferrin receptor gene. Cycling conditions were as follows:

1 cycle	95°C, 1 min
30 cycles	95°C, 15 sec
	68°C, 1.5 min
1 cycle	68°C, 3 min

5 μ l of PCR product from each tube was electrophoresed on a 1.2% TAE/agarose gel to confirm the presence of a 1.3-kb product with minimal background.

Amplification from a genomic DNA template:

7 tubes in a sample strip from this lot of Titanium *Taq* SP EcoDry Premix were tested using 50 ng calf thymus genomic DNA per tube as template, and primers specific to the *BPTI* gene (0.4 μ M each). The 8th tube served as a no-template control. Cycling conditions were as follows:

1 cycle	95°C, 1 min
30 cycles	95°C, 15 sec
	68°C, 30 sec
1 cycle	68°C, 3 min

An aliquot of PCR product from each tube was electrophoresed on a 1.2% TAE/agarose gel to confirm the presence of a 407-bp band with minimal background. Results of the no-template control showed no visible bands.

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

Titanium® Taq SP EcoDry™ Premix

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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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