

2x Taq PCR Master Mix

Cat. No. CMC07 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Description	2× Taq PCR Master Mix is a premixed, ready-to-use solution containing Taq DNA Polymerase, dNTPs, MgCl ₂ and Reaction Buffer at optimal concentrations for efficient amplification of DNA templates by PCR. The 2× Taq PCR Master Mix has been optimized for use in routine PCR for amplifying DNA templates in the range of 0.2-4kb.
PCR Master Mix, 2×	50 units/ml of Taq DNA Polymerase supplied in a proprietary reaction buffer (pH 8.5), 400μM each of dATP, dGTP, dCTP, dTTP, 3mM MgCl ₂ .
Feature	Fast: Set up reactions in less than a minute. Sensitive: Amplify as little as 2 copies of target template. High Fidelity: 2× Taq PCR Master Mix exhibits lower error rate than normal Taq DNA polymerase. Convenient: One tube, one pipetting step. Complete: Reagents, including Taq DNA Polymerase, MgCl ₂ , dNTPs and buffers, in one tube. Scalable: Set up 10μl, 25μl or 50μl reactions. Stable: Stable for hundreds freeze-thaw cycles.
Performance Guarantee	Creative BioMart PCR systems, enzymes and reagents are proven in PCR to ensure reliable, high-performance results. If you are not completely satisfied with any Creative BioMart PCR product, we will send a replacement or refund your account.
Applications	PCR. 3' A-tailing of blunt ends, compatible with T-Vectors.
Quality Control Tests	PCR, activity, Bacterial DNA contamination, endo- and exo-nuclease.

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Storage

Store at -20°C.

Reaction Conditions:

To amplify a 1kb DNA template Set up PCR reactions as follows: 2× Taq PCR Master Mix 25μl 10μM Primers 1μl each Template ~1μl ddH₂O 22μl

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