

2×Taq Plus PCR Master Mix

Cat. No. CMC11 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Description	2× Taq Plus PCR Master Mix is a premixed, ready-to-use solution containing Taq Plus DNA Polymerase, dNTPs, MgCl ₂ and Reaction Buffer at optimal concentrations for efficient amplification of DNA templates by PCR. The 2× Taq Plus PCR Master Mix has been optimized for use in routine PCR for amplifying DNA templates in the range of 1-10kb.
PCR Master Mix, 2×	50 units/ml of Taq Plus DNA Polymerase supplied in a proprietary reaction buffer (pH 8.8), 400μM each of dATP, dGTP, dCTP, dTTP, 7mM MgCl ₂ .
Feature	Fast: Set up reactions in less than a minute. Sensitive: Amplify as little as 2 copies of target template. High Fidelity: With an error frequency of 1.6×10^{-6} during DNA synthesis. Higher yield: Taq Plus increases the efficiency of polymerization reaction, resulting in a great percentage of extenuation reaction completion up to 10 kb to 30 kb. Convenient: One tube, one pipetting step. Complete: Reagents, including Taq Plus DNA Polymerase, Mg 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	Amplification of complex template with high GC content or secondary structure and demand of high fidelity.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Quality Control Tests	PCR, Activity, endonuclease/nickase, Specific performance test.
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Storage	Store at -20°C.
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