

2x Pfu PCR Master Mix

Cat. No. CMC09 **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Description	2x Pfu PCR Master Mix is a premixed, ready-to-use solution containing Pfu DNA Polymerase, dNTPs, MgSO ₄ and Reaction Buffer at optimal concentrations for efficient amplification of DNA templates by PCR. The 2x Pfu PCR Master Mix has been optimized for use in routine PCR for amplifying DNA templates in the range of 0.2-3kb.
PCR Master Mix, 2x	50 units/ml of Pfu DNA Polymerase supplied in a proprietary reaction buffer (pH 8.5), 400μM each of dATP, dGTP, dCTP, dTTP, 4mM MgSO ₄ .
Feature	Fast: Set up reactions in less than a minute. Sensitive: Amplify as little as 2 copies of target template. High Fidelity: 2x Pfu PCR Master Mix exhibits the lowest error rate of any thermostable DNA polymerase. Convenient: One tube, one pipetting step. Complete: Reagents, including Pfu DNA Polymerase, MgSO ₄ , 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	2x Pfu PCR Master Mix is recommended for use in PCR, primer extension reactions and other applications that demand high fidelity.

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Quality Control Tests	PCR, activity, endo- and exo- nuclease.
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Storage	Store at -20°C.
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Reaction Conditions:	To amplify a 1kb DNA template Set up PCR reactions as follows: 2× Pfu PCR Master Mix 25µl 10µM Primers 1µl each Template ~1µl ddH ₂ O 22µl
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