



Creative Enzymes

Diagnostic Enzymes

Universal U+ Probe Master Mix V2

Product Information

Cat#	ENZD-QM03
Specification	500 rxns (20 µl/rxn) 2500 rxns (20 µl/rxn)
Applications	Gene Expression Analysis
Description	Adopting chemically modified enzyme and optimized buffer system, the sensitivity and amplification efficiency of probe-based qPCR are enhanced. Equipped with dUTP/UDG anti-contamination system and ROX passive reference dye, it is compatible with various qPCR instruments and easy to use.
Features	<ol style="list-style-type: none">1. Outstanding amplification sensitivity: The rigorous chemical method hot-start enzyme Acetaq DNA Polymerase, combined with a carefully optimized buffer system, can detect down to single-copy templates.2. Excellent linearity: Exhibits good linearity within a wide template range, with an amplification efficiency of up to 99%.3. dUTP/UDG anti-contamination system: The introduction of Heat-Labile UDG anti-contamination system rapidly degrades U-containing contaminants at room temperature, eliminating the impact of amplification product contamination on qPCR reactions.4. Wide platform compatibility: Special ROX reference dye suitable for all qPCR instruments, no need to adjust ROX concentration on different qPCR instruments.
Components	2 × Universal U+ Probe Master Mix V2(20 µl/run), including dNTP/dUTP Mix, Mg ²⁺ , AceTaq HS DNA Polymerase, Heat-labile UDG, Specific ROX Reference Dye, etc.
Shipping and Storage	Store at -20°C in the dark.
Conditions	Store at 4°C for 3 weeks; can be frozen and thawed 30 times; The prepared mixture (primers, template, reagents) can be stored at 4°C for 6 hours.

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