



**Creative Enzymes**

*Diagnostic Enzymes*

## EnzSmart U+ All-Powerful Multiple Probe qPCR PreMix (ONE TUBE)

### Product Information

<b>Cat#</b>	ENZD-QM04
<b>Specification</b>	200 rxns 500 rxns 2500 rxns
<b>Applications</b>	Multiplex Quantification; Diagnostic Pathogen Detection; Animal Pathogen Detection; Biomedical Quality Control Verification
<b>Description</b>	Suitable for DNA template multiplex probe qPCR amplification, with high sensitivity, strong specificity, and good tolerance to complex samples. It has an integrated dUTP/UDG anti-contamination system, supports fast programs and primer-probe premixing, and is an all-around 2× premix solution.
<b>Features</b>	<ol style="list-style-type: none"><li>1. High sensitivity: New hot-start Taq enzyme &amp; upgraded buffer system achieve high-sensitivity detection, effectively reducing the rate of missed detections.</li><li>2. Wide GC compatibility: Broadly compatible with systems containing 20% to 75% GC content, supporting simultaneous detection of multiple targets.</li><li>3. Convenient and efficient use: Supports premixed primer-probe systems with stable performance after 37°C pressurization for 28 days and 50 cycles of freeze-thaw, reducing operational complexity and improving experimental success rates.</li><li>4. Supports fast protocols: Detection can be completed within 30 minutes, effectively improving detection efficiency.</li><li>5. dUTP/UDG anti-contamination system: Effective at room temperature, reducing false positives and ensuring the authenticity and reliability of results.</li></ol>
<b>Quality Control</b>	<ol style="list-style-type: none"><li>1. Excellent sensitivity</li><li>2. Supports fast protocols</li></ol>
<b>Components</b>	2 × All-Powerful qPCR PreMix(20 µl/run), including dNTP/dUTP Mix, Mg <sup>2+</sup> , EnzSmart DNA Polymerase, Heat-labile UDG, etc.
<b>Shipping and Storage</b>	Store at -30 ~ -15°C, transport at ≤0°C

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### **Conditions**

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