



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

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200/500/2,500 rxns

QN222-01/02/03

All-Powerful qPCR PreMix for Sensitive Multiplex Detection

BioSmart U⁺ All-Powerful Multiple Probe qPCR PreMix (ONE TUBE) is a probe-based qPCR premix applicable for quantification of DNA templates (e.g. DNA virus). The premix uses an upgraded antibody modified hot-start DNA polymerase to achieve efficient blocking and precise release of the enzyme activity. With the optimized buffer, primers and probes can be premixed in advance, bringing convenience to use. The prepared working solution can be stored at low temperature for a long time.

■ Support primers, probes and mix full premixing

Stable primers & probes premix brings trust and convenience.

■ Superior Sensitivity

Achieve beautiful 'S-shaped' amplification curves after multiplex amplification.

■ Fast Program

High efficiency quantification can be finished within 30 min.

■ Excellent Impurity Tolerance

Tolerate residues from nucleic acid extraction (e.g. 1% whole blood, 4% ethanol, 40 mM guanidine salt).

■ Broad GC-Content Compatibility

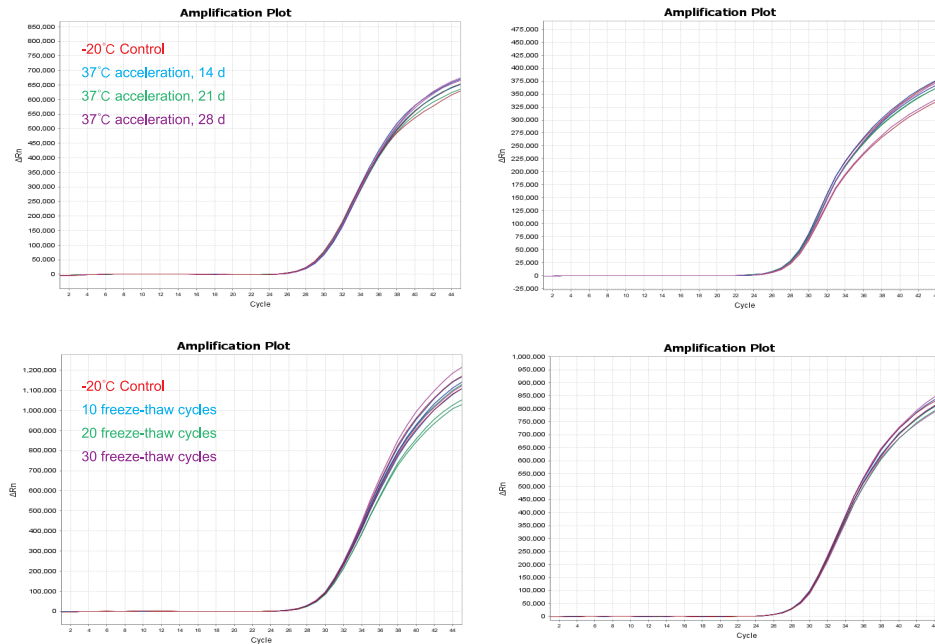
Compatible with GC content ranging from 20% - 75%.



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

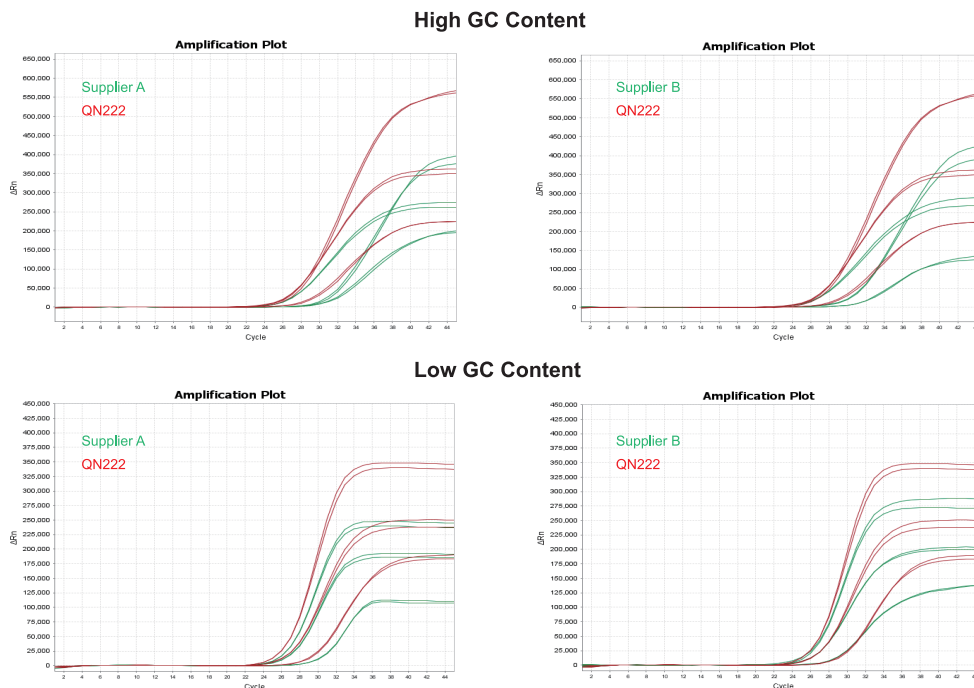
■ Strong Stability of the Primers, Probes & Mix Premix

Premix Vazyme #QN222 and primers, probes, and perform the stability tests (acceleration at 37°C for 14, 21 and 28 days; repeated freezing and thawing 10, 20 and 30 times). Verify the performance of these tested premixes by multiplex qPCR amplification. The results show that the C_T value and fluorescence signal intensity of the treated systems have no significant change compared with the control group (-20°C storage), indicating that the Vazyme #QN222 has excellent stability after premixing.



■ Superior Sensitivity and GC Content Compatibility

Amplify multiple genes from templates with different GC contents by Vazyme #QN222 and similar reagents from Supplier A and Supplier B. The results show that Vazyme #QN222 has better amplification curve shape, higher sensitivity and broader GC content compatibility.



Vazyme Online

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