

**NEW
PRODUCT**

1st BASE AmpliPLUS Q Probe qPCR Mix

Enhanced Sensitivity and
Amplification Efficiency

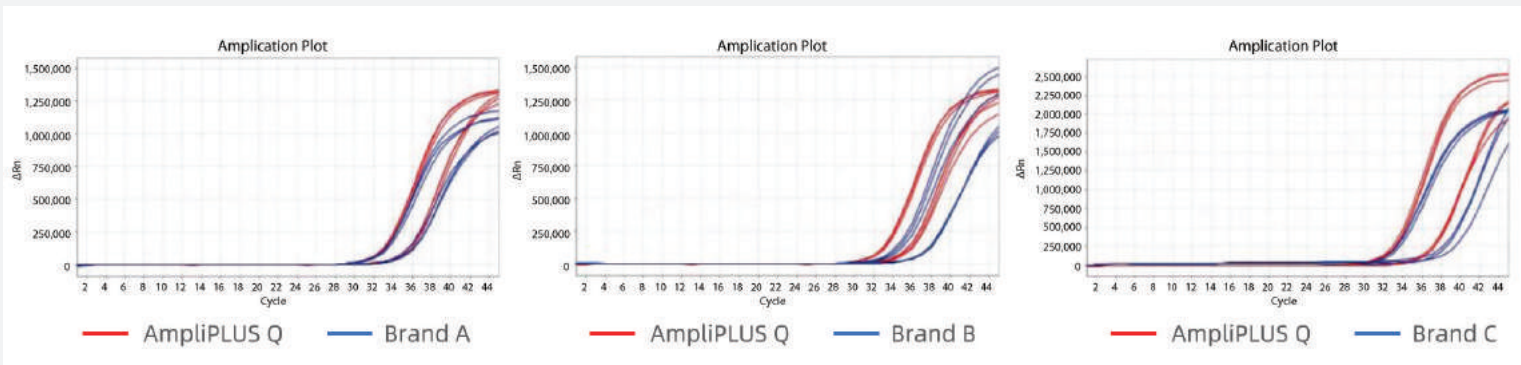
Extensive Linear Detection Range

Compatibility with AT and
GC Content

Impressive Storage Stability

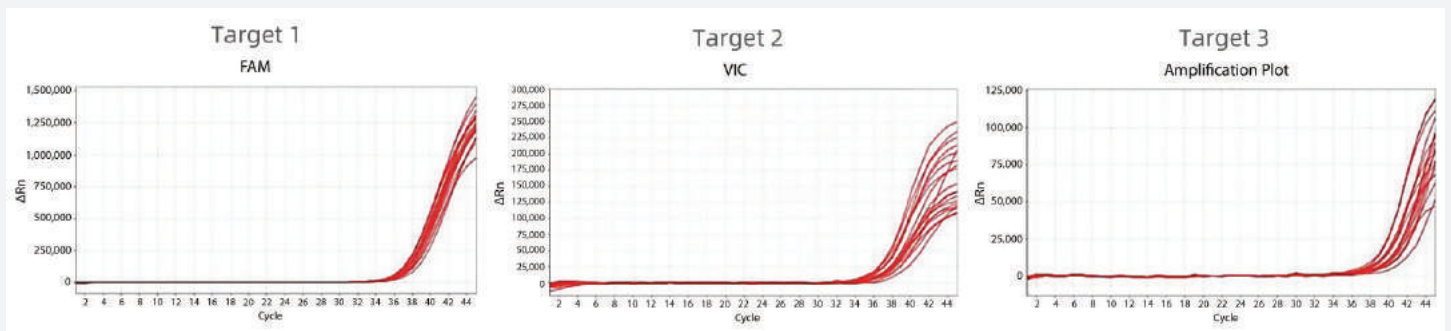
1st BASE AmpliPLUS Q Probe qPCR Mix is a 2X master mix designed for real-time qPCR reactions, compatible with probes like TaqMan and Molecular Beacon. It contains a dual-antibody modified hot-start DNA polymerase in a unique qPCR buffer system, which minimises non-specific amplification and enhances single and multiple amplification efficiency with high specificity and sensitivity, detecting template concentrations as low as 30 pg.

Superior Amplification & Sensitivity



Bisulfite-treated DNA served as the template for two gradients of 10-fold dilution.

AmpliPLUS Q Probe qPCR Mix was utilised for comparison with similar products from Company A, Company B, and Company C.

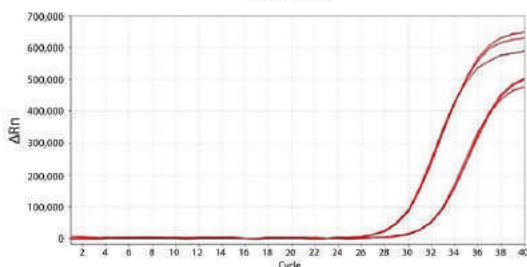


Human 293T cell DNA was used as the template with a DNA input of 30 pg, and AmpliPLUS Q Probe qPCR Mix was applied to detect multiple target genes.

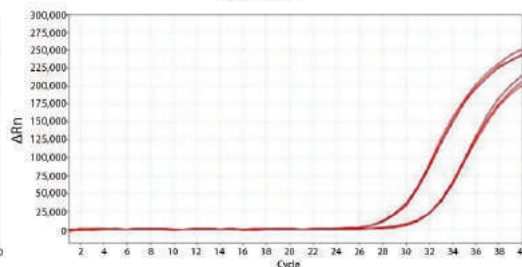
AmpliPLUS Q Probe qPCR Mix exhibited superior amplification sensitivity, achieving a 100% detection rate for low templates.

Optimised for AT and GC Rich Template

High AT



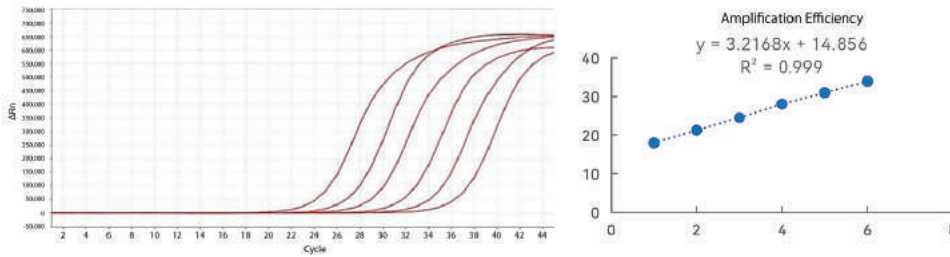
High GC



Human 293T cell DNA served as the template for two gradients of 10-fold dilution.

AmpliPLUS Q Probe qPCR Mix was employed for the specific detection of models with high AT (65%) and GC (73.9%) content. **AmpliPLUS Q Probe qPCR Mix** demonstrates excellent amplification performance for AT- and GC-rich templates and boasts high compatibility.

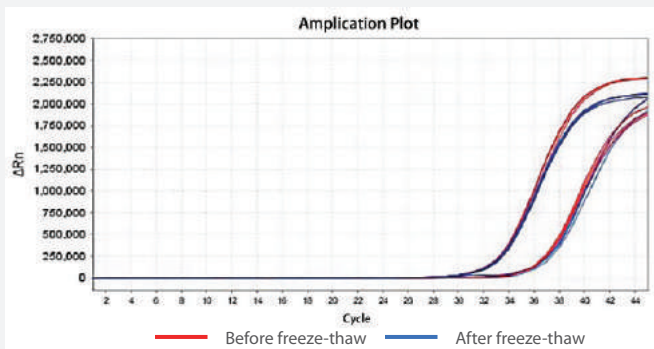
Extensive Linear Detection Range



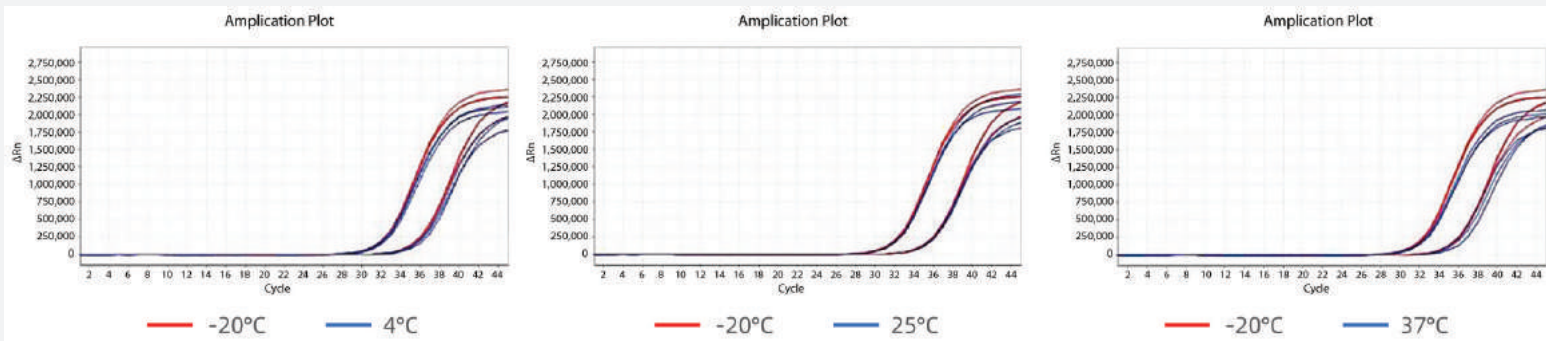
Human 293T cell DNA was utilised as the template for six gradients of 10-fold dilution, and AmpliPLUS Q Probe qPCR Mix was employed to detect the target gene.

AmpliPLUS Q Probe qPCR Mix provides precise measurements across up to 6 logarithmic dynamic ranges, ensuring the accuracy of the analysis.

Excellent Storage Stability



After undergoing 30 freeze-thaw cycles, AmpliPLUS Q Probe qPCR Mix was used to detect target genes following dilution of bisulfite-treated DNA in two 10-fold gradients.



AmpliPLUS Q Probe qPCR Mix was incubated at 4°C, 25°C, and 37°C for 14 days each. Fluorescence quantitative detections were then performed using DNA treated with bisulfite as the template to compare these storage conditions with those at -20°C.

AmpliPLUS Q Probe qPCR Mix demonstrates excellent amplification performance for AT- and GC-rich templates and boasts high compatibility.

Product Information

Product	Packagin Size	Product No.
AmpliPLUS Q Probe qPCR Mix	1 ml	BIO-5230-1ml
	5 ml	BIO-5230-5ml



Sample Request