

**NEW  
PRODUCT**

1st BASE

# AmpliPLUS Q SYBR

## qPCR Mix

Multi-platform Compatibility

High Sensitivity

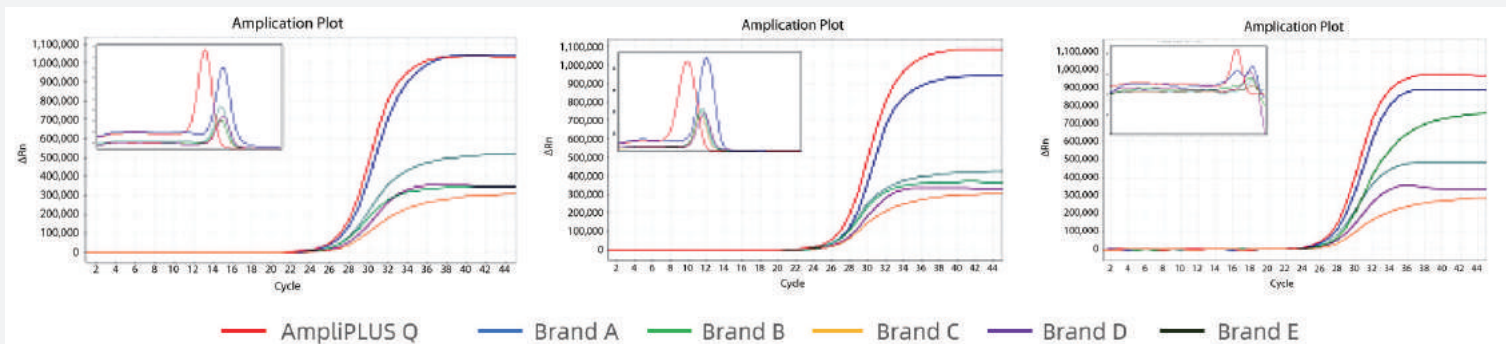
Superior Specificity

Exceptional Stability

**1st BASE AmpliPLUS Q SYBR qPCR Mix** is a 2X master mix containing the dye SYBR Green I, designed for real-time qPCR reactions. It includes a hot-start DNA polymerase in a unique qPCR buffer system, which reduces the amplification of non-specific products and enhances amplification efficiency by offering high specificity and sensitivity. The mix is suitable for templates rich in AT and GC content.

Most qPCR instruments are compatible with the included ROX Reference Dye, eliminating the need for ROX calibration across different systems. Additionally, **AmpliPLUS Q SYBR qPCR Mix** does not produce bubbles during vortexing. The product remains stable after 20 freeze-thaw cycles and can be stored at 37°C for 7 days.

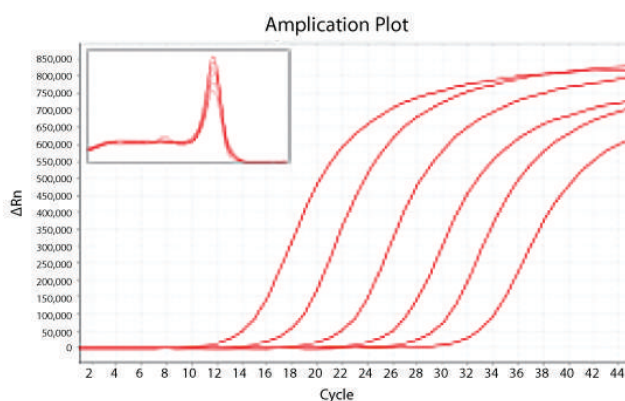
## Superior Overall Performance



1 ng of human genome DNA was used as a template to amplify 3 different genes.

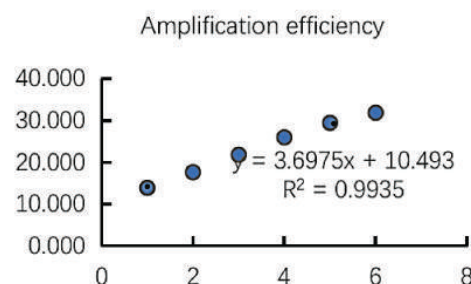
**AmpliPLUS Q SYBR qPCR Mix** has better overall performance than competing products in different amplification systems, with excellent sensitivity, high fluorescence value and good specificity.

## Broad Quantitative Range

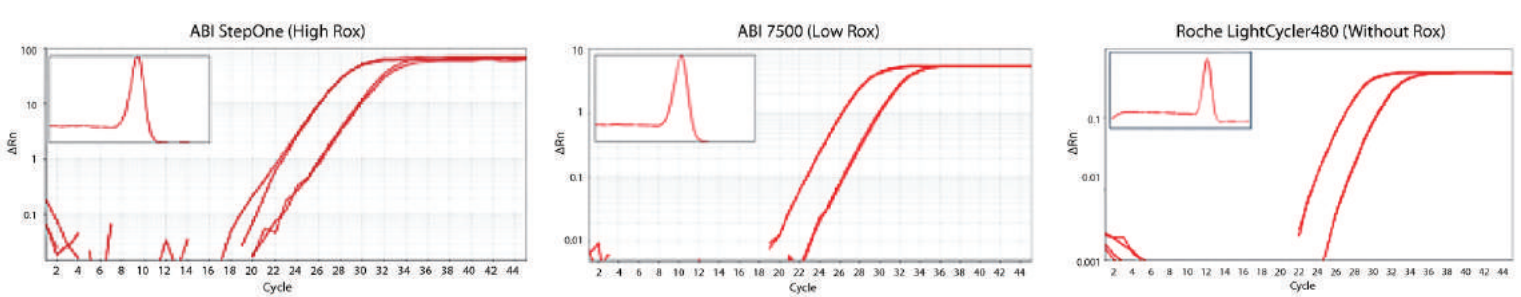


The target gene was detected by diluting it in 6 gradients at a 10-fold ratio using plasmid as template.

**AmpliPLUS Q SYBR qPCR Mix** enables a good linear relationship across a wide quantitative range.



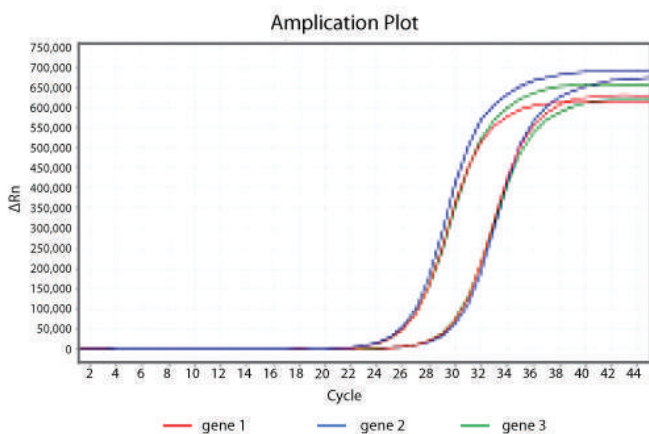
## Universal Compatibility Across Multiple Platforms



The target gene was detected by diluting it with 2 gradients and 10-fold ratio on different instruments using plasmid as template.

**AmpliPLUS Q SYBR qPCR Mix** can be used on different instruments with an excellent result. It is suitable for most qPCR instruments and no ROX calibration is required.

## Efficient Amplification in a Compact System



3 target gene was detected by diluting the template with 2 gradients and 10-fold ratio using human genome as template in a 10  $\mu$ L system.

**AmpliPLUS Q SYBR qPCR Mix** can be successfully amplified in a 10  $\mu$ L system for different target genes, suggesting its applicability to small amplification systems.

### Product Information

Product	Packaging Size	Product No.
AmpliPLUS Q SYBR qPCR Mix	1 ml	BIO-5220-1ml
	5 ml	BIO-5220-5ml



Sample Request