

SuperStar Universal SYBR Master Mix

Multi-platform universal, highly sensitive, highly specific

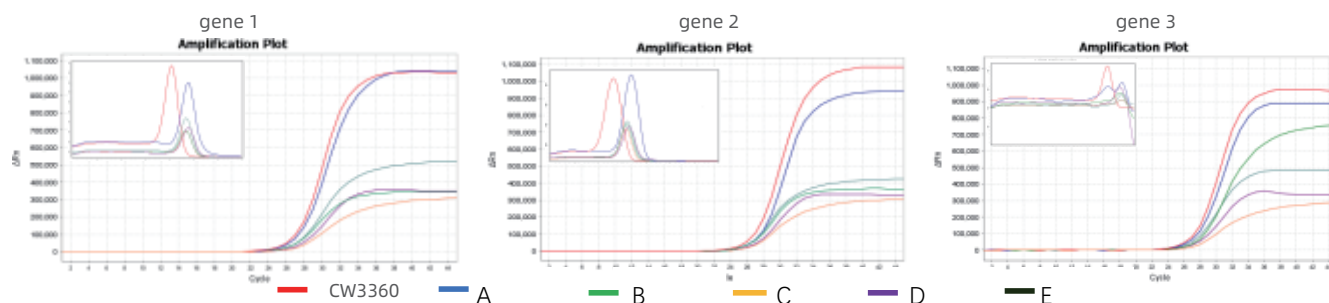
Product Features

- **Multi-platform universality:** Mixed with a specific ROX, suitable for most qPCR instruments, no calibration is required for different instruments.
- **High sensitivity:** A good linear relationship result can be obtained over a wide quantitative region, and templates with concentrations as low as pg-level can be detected.
- **Strong specificity:** The combination of the unique qPCR buffer system and the hot start enzyme effectively inhibits the production of non-specific products and improves the amplification specificity.
- **Excellent stability:** The performance is stable after repeated freeze-thaw 20 times. It can be stored at 37 °C for at least 7 days.
- **High compatibility:** Compatible with rapid amplification programs and small amplification system.

Experiment

Comparison of competing products

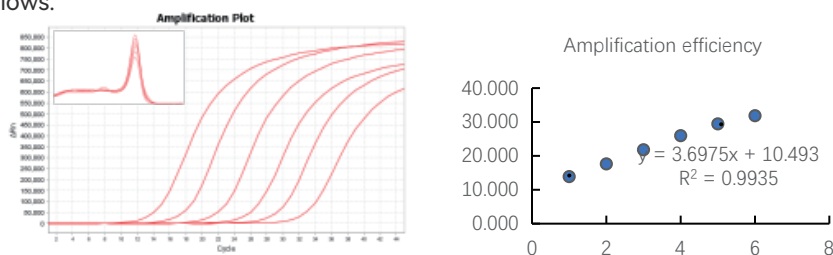
Using 1 ng human genome DNA as a templates to amplify 3 different genes. The experimental data are as follows:



The experimental results show that in different amplification systems, CW3360 has better overall performance than competing products, with excellent sensitivity, high fluorescence value and good specificity

Broad quantitative threshold

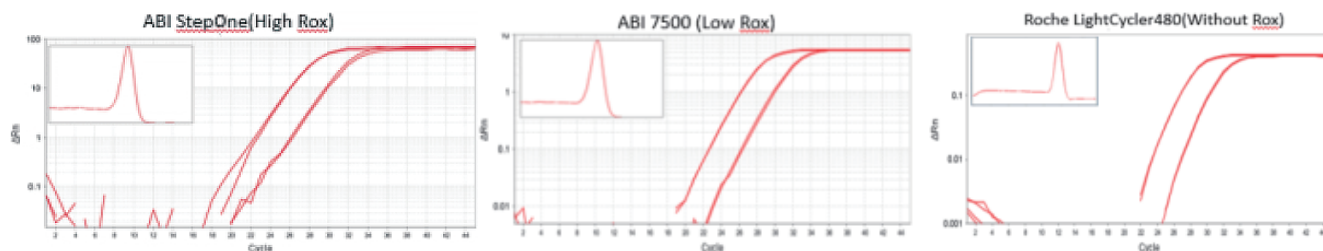
Using plasmid as template, the target gene was detected by diluting it with 6 gradients and 10-fold ratio. The experimental data are as follows:



The experimental results show that a good linear relationship result can be obtained over a wide quantitative region with CW3360.

Multi-platform universality

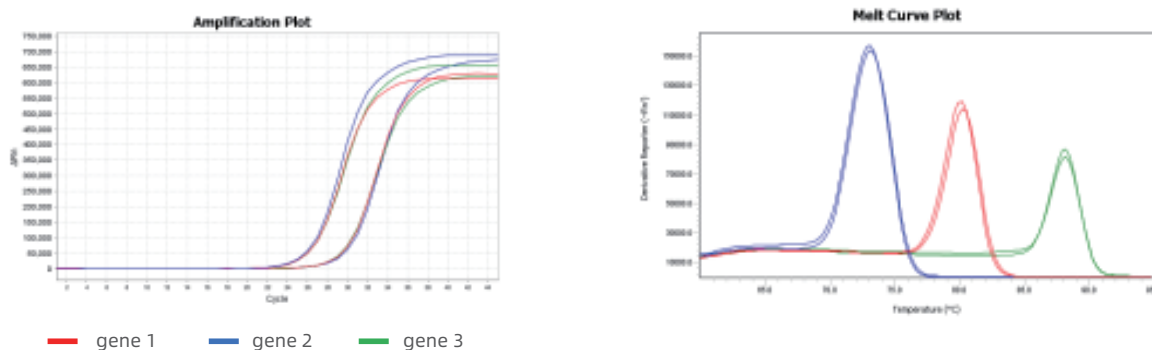
Using plasmid as template, the target gene was detected by diluting it with 2 gradients and 10-fold ratio on different instruments. The experimental data are as follows:



The experimental results show that CW3360 can be used on different instruments with an excellent result. It is suitable for most qPCR instruments and no ROX calibration is required.

Small amplification system

Using human genome as template and 10 μ L system, 3 target gene was detected by diluting the template with 2 gradients and 10-fold ratio. The experimental data are as follows:



The experimental results show that for different target genes, CW3360 can be normally amplified in 10 μ L system, indicating that CW3360 can be applied to small amplification system.

Related Product Information

Cat. No.	Product Name	Specification
CW3371M	HiFiScript All-in-one RT MasterMix for qPCR	100 rxns
CW3360M	SuperStar Universal SYBR Master Mix	5 mL
CW3360H	SuperStar Universal SYBR Master Mix	40 mL