



## 2x HMB SYBR Green qPCR Master Mix

**Engineered for Peak Performance:** High Sensitivity & Specificity

### Advanced Formulation:

- Optimized buffer system
- New-Gen Antibody Hot-Start Taq
- Novel inhibitors to reduce non-specific amplification
- Specific amplification enhancers

### Key Benefits:

- High specificity with enhanced detection of low-copy genes
- Accurate quantification over a wide range (single-copy capability)
- Excellent repeatability & reliability

**User-Friendly:** Ready-to-use (SYBR Green I chimeric fluorescence method. No ROX reference dye required.)

**Compatibility:** Suitable for qPCR instruments.

## Features

**Universal For All Instruments:** The kit employs a special ROX dye system, ensuring compatibility with all major qPCR instrument platforms and eliminating the need for ROX calibration.

**Hot Start:** Includes a dual-antibody Hot-Start Taq polymerase for enhanced specificity and sensitivity.

**Higher Yield:** Delivers up to a 1 Ct earlier detection threshold (lower Ct value) compared to leading competitor products.

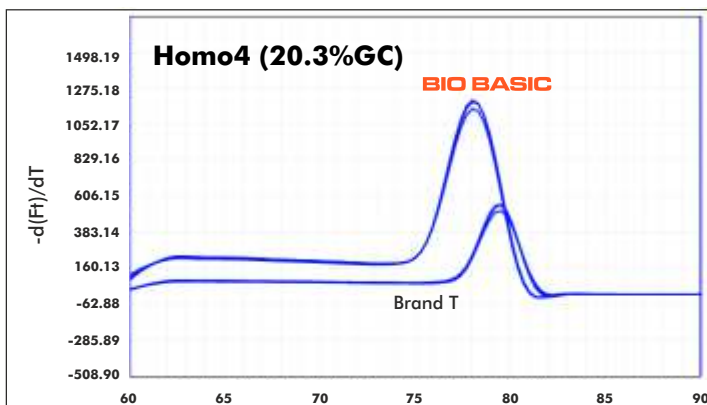
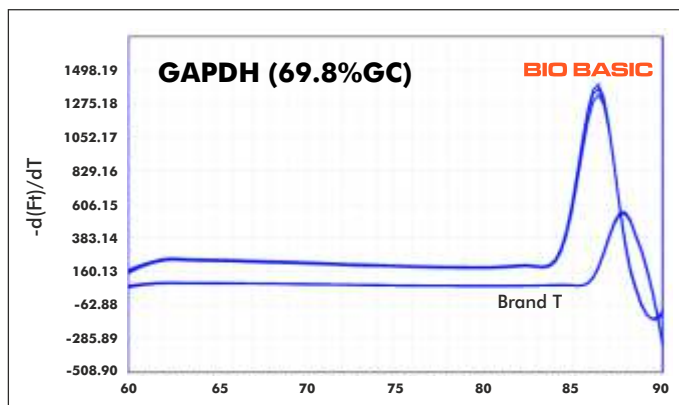
**Higher Fluorescence Value:** Delivers up to 2x higher Rn values than leading competitors.

**Strong Tolerance:** The reaction system exhibits high tolerance to common PCR inhibitors, including 3% ethanol, 2% isopropanol, and 15 mM guanidine salt. It also supports robust amplification of DNA fragments with 20%-70% GC content.

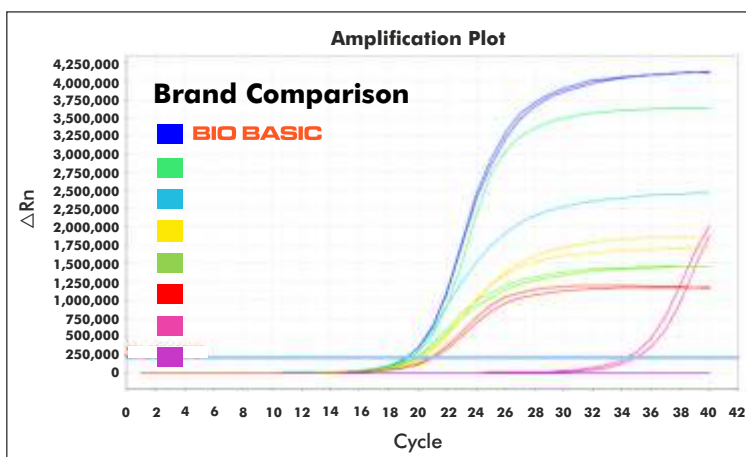
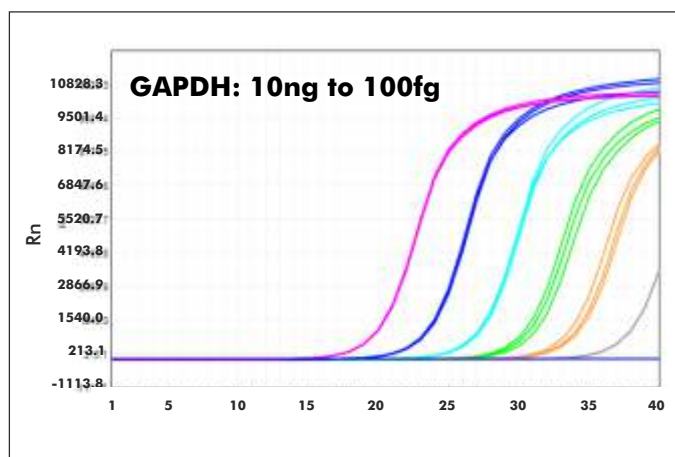
**Stability:** Maintains stability for over 1 year when stored at -20°C and can withstand more than 50 freeze-thaw cycles.

## R&D Results

### GC Rich/Poor



### High Sensitivity & Amplification



### Resist Chemical Contaminants

