

High Sensitivity, Specificity & Reliability

Our hot-start LiQuant™ DNA polymerase, along with our buffer solution, is designed to minimize non-specific amplification in **SYBR green** and **probe-based** real-time quantitative PCR (qPCR). Our LiQuant™ system is optimized to enhance amplification efficiency, making it applicable for high-sensitivity qPCR.

	Type	Sensitivity	Specificity	+ROX Dye
LiQuant™ Universal	SYBR green	+++++	++++	No
LiQuant™ Ultra	SYBR green	++++	+++++	No
LiQuant™ Probe	Probe-based	+++++	+++++	Yes

Key Features

- The qPCR mixes are premixed reagents at 2× concentration which are convenient to handle.
- The mixes can be directly used for robust and low-template quantitative PCR with high sensitivity and specificity.
- High reliability: the mixes are stable at room temperature in one week.

Product Name	Cat. #	Size	Price
LiQuant™ Universal Green qPCR Master Mix	M0016	500 rxns	\$259
LiQuant™ Ultra Green qPCR Master Mix	M0026	500 rxns	\$269
LiQuant™ Probe qPCR Master Mix	M0027	500 rxns	\$299

Publications

1. [YAP/TEAD1 Complex Is a Default Repressor of Cardiac Toll-Like Receptor Genes.](#)

Publication: *International Journal of Molecular Sciences* Product: LiQuant™ Universal Green qPCR Master Mix

2. [Knockdown of lncRNA TP53TG1 Enhances the Efficacy of Sorafenib in Human Hepatocellular Carcinoma Cells.](#)

Publication: *non-coding RNA* Product: LiQuant™ Universal Green qPCR Master Mix

3. [Selectively expressing SARS-CoV-2 Spike protein S1 subunit in cardiomyocytes induces cardiac hypertrophy in mice.](#)

Publication: *bioRxiv* Product: LiQuant™ Universal Green qPCR Master Mix

Contact Us

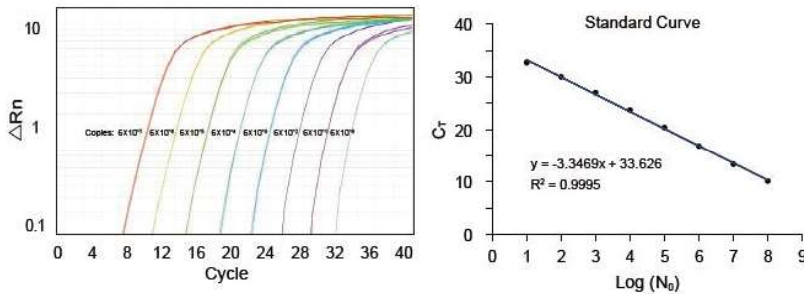
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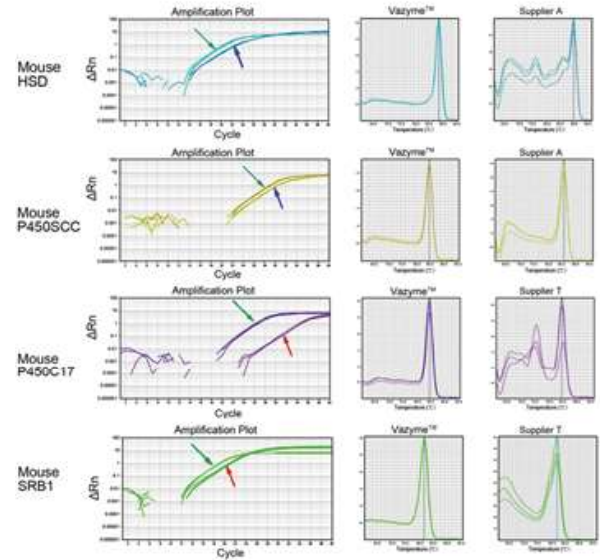


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Case Study

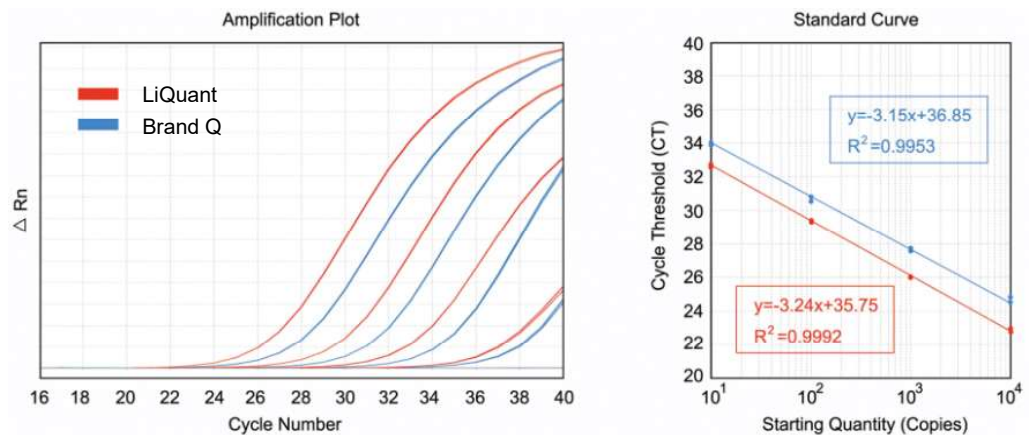


LiQuant™ Universal green qPCR Master Mix is specially designed for SYBR Green I based quantitative PCR (qPCR). Unique factors in the optimized buffer system of LiQuant™ Universal green qPCR Master Mix significantly improve its sensitivity and specificity. This kit contains unique ROX Passive Reference Dye and is applicable for all Real-time PCR instruments, including instrument that needs no ROX dye, low ROX dye, or high ROX dye. The mix is prepared at 2× reaction concentration and can be directly used for robust and low-template qPCR with high sensitivity, specificity, and reliability.



The highly optimized reaction system of **LiQuant™ Green qPCR Master Mix** results in exceptional specificity. When amplifying four genes from mouse cDNA, LiQuant™ Green qPCR Master Mix gave higher amplification efficiency and fewer non-specific amplification. (Above)

When amplifying human GAPDH with serial diluted cDNA from HeLa cells with LiQuant™ Probe qPCR Master Mix or Brand Q product and 100nM TaqMan probe, **LiQuant™ Probe qPCR Master Mix** shows higher amplification efficiency, lower detection limit, and better linear relationship. Tested on ABI StepOne Plus. (Right)



Related Products

Product Name	Cat. #	Size	Price
LiScript™ One Step Green RT-qPCR Kit	M0032	250 rxns	\$299
LiScript™ One Step Probe RT-qPCR Kit	M0033	100 rxns	\$199
LiScript™ First Strand cDNA Synthesis Kit (+gDNA wiper)	M0028	100 rxns	\$399
2× LiTaq™ PCR Master Mix (+Dye)	M0024-15	15 ml	\$229
2× LiTaq™ Plus PCR Master Mix (+Dye)	M0025-15	15 ml	\$249
2× ExSembly™ Cloning Master Mix	M0005	10 rxns	\$169
LiTaq™ Super-Fidelity PCR Master Mix	M0031	1 ml	\$129
LiGreen™ Plus Nucleic Acid Gel Stain	M0050	500 μl	\$119