



GeneBio
Systems, Inc.

Introducing **SYBR** **Green**

A guide to our master mix products



FEATURES & BENEFITS

GB-Amp™ SYBR Green qPCR Master Mixes

- ✓ GB-Amp™ Sybr Green qPCR Mix is a Taq DNA polymerase-based 2x master mix
- ✓ Hot Start technology with anti-Taq DNA polymerase antibodies enables high specificity and reproducible amplification
- ✓ Works equally well on many different systems
- ✓ Choices of No-ROX, low-ROX, and Hi-ROX pre-spiked master mixes for your Bio-RAD, AMI, Roche, Qiagen and other real-time PCR systems
- ✓ If you have perfectly designed, validated primers, this is the product for you!



PowerGreen™ SYBR Green qPCR Master Mix

Having trouble with your qPCR, primer set, or want something even more **specific?**

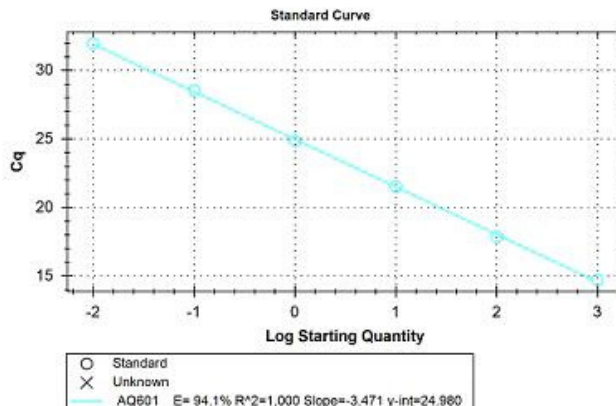
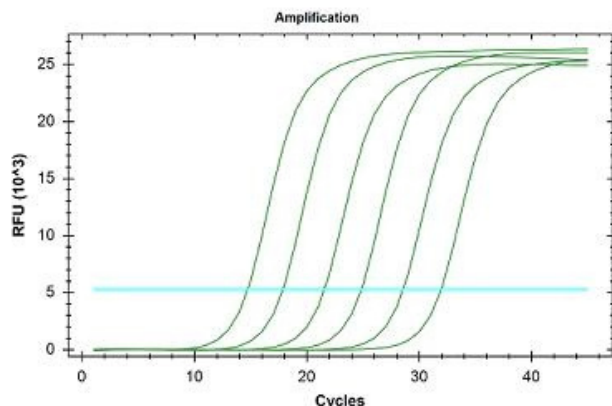
- ✓ **Reduce non-specific amplification** more effectively as a chemically modified HotStart Taq Polymerase compared to the antibody-modified polymerase
- ✓ Contains aptamer-based inhibitors, further **reducing primer dimer** and secondary metabolite generation
- ✓ With a dual blocking mechanism, when the temperature below 45°C, the activity of the modified polymerase will be strongly suppressed, only when the temperature reaches 72°C, it can be activated
Dual hot-start technique brings **greater efficiency and specificity to PCR**
****Also available as No-ROX, low-ROX, and High-ROX master mixes on Bio-RAD, ABI and other systems.**



PerfectStart® Universal Green qPCR SuperMix

- ✓ PerfectStart® Taq DNA Polymerase enables high specificity, high sensitivity, and high amplification efficiency for your quantitative PCR; achieved by a tri-antibody harmony of temperature responsive hot-start switching
- ✓ Dual-cation buffer enhances specificity and minimizes the tendency of primer-dimer formation
- ✓ Universal Passive Reference Dye for different instruments, eliminating the need use different levels of ROX reference dye, depending on if the real-time PCR system requires No ROX, Low ROX or High ROX.
- ✓ Universal, so that you do not worry about No-, low- or High-ROX, it will work





Validated superior performance to Roche and other leading brands of SYBR Green master mix products. Choose PerfectStart

ORDERING INFORMATION

CAT.#	PRODUCT	QUANTITY
P2092	GB-Amp™ Sybr Green qPCR Mix	No Rox - 5 mL
P2093	GB-Amp™ Sybr Green qPCR Mix	No Rox - 50 mL
P2092a	GB-Amp™ Sybr Green qPCR Mix	Low Rox - 5 mL
P2093a	GB-Amp™ Sybr Green qPCR Mix	Low Rox - 50 mL
P2092b	GB-Amp™ Sybr Green qPCR Mix	High Rox - 5 mL
P2093b	GB-Amp™ Sybr Green qPCR Mix	High Rox - 50 mL
P2101-02	PowerGreen™ SYBR Green 2x qPCR Master Mix	No Rox - 5 mL
P2101-03	PowerGreen™ SYBR Green 2x qPCR Master Mix	No Rox - 50 mL
P2101-02a	PowerGreen™ SYBR Green 2x qPCR Master Mix	Low Rox - 5 mL
P2101-03a	PowerGreen™ SYBR Green 2x qPCR Master Mix	Low Rox - 50 mL
P2101-02b	PowerGreen™ SYBR Green 2x qPCR Master Mix	High Rox - 5 mL
P2101-03b	PowerGreen™ SYBR Green 2x qPCR Master Mix	High Rox - 50 mL
AQ602-01	PerfectStart® Universal Green qPCR SuperMix	25 mL
AQ602-01	PerfectStart® Universal Green qPCR SuperMix	5 mL
AQ602-03	PerfectStart® Universal Green qPCR SuperMix	50 mL

MACHINE COMPATABILITY

No Rox: Bio-Rad® iQ™5, CFX96, CFX384, Roche Lightcycler®, Qiagen Rotor-Gene™, SmartCycler® Eppendorf Mastercycler®

Low Rox: used on ABI instruments that support normalization with ROX reference dye at a final concentration of 50nM (ABI 7500, Stratagene Mx3005P®, Mx3005PTM, and MX4000®)

High Rox: used on Applied Biosystems® 7000, 7300, 7700, 7900HT, StepOne™

Please visit our website for pricing and more information!

Selection Guide

	Score (out of 5)			
	Specificity	sensitivity	Curve shape/Amp. Efficiency	List Price (\$/50ml)
GB-Amp	4	4.5	4.5	1,428
PowerGreen	4.5	4.5	4.5	1,875
PerfectStart	5	5	5	2,701.4





GeneBio
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Specialists in Economical Quality Lab Supplies



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