

The New Gold Standard in Fluorescent Green qPCR

- Inert yellow dye helps reduce pipetting errors
- Room temperature stable for up to 30 days
- Compatible with fast cycling protocols
- Highly sensitive for low copy number templates
- Includes PR1MA Hot Start Taq Polymerase

Successful PCR requires careful control of many variables. Pipetting errors, poor performing polymerases, dNTP concentrations, are just a few of the variables that can all contribute to reaction problems. MIDSCI has developed their new qMAX Gold to control these variables and help you achieve the best possible amplification performance. To reduce the chance of pipetting errors, qMAX Gold includes an inert yellow dye so small volumes are easy to visualize in PCR plates.

qMAX Gold is a ready to use, 2X mastermix of PR1MA Hot Start Taq enzyme, dNTPs, a sensitive fluorescent intercalating dye, and optimized reaction buffer. The Hot Start Taq allows reaction set up at room temperature while the temperature stable formulation guarantees optimal performance even if the mix is left at room temperature for extended periods.

Just add primers and DNA targets to the mix, and then proceed to amplification. qMAX Gold is compatible with all real time thermal cyclers and exhibits high sensitivity with normal or fast 2-step cycling protocols.

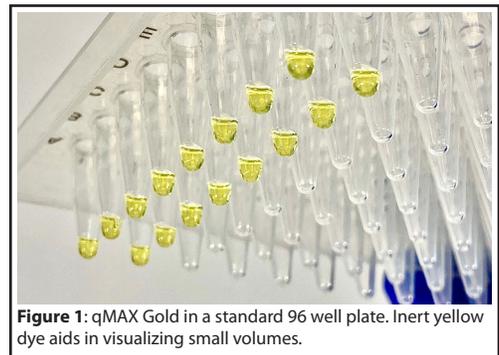
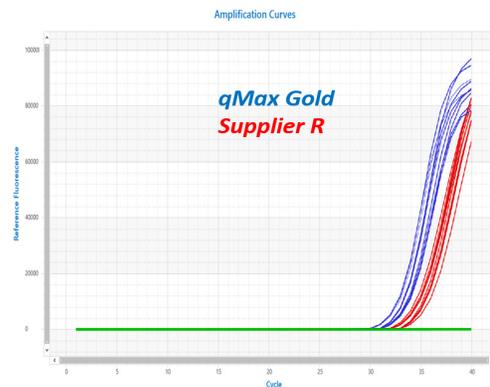


Figure 1: qMAX Gold in a standard 96 well plate. Inert yellow dye aids in visualizing small volumes.

Real Time Results with Azure Cielo Real Time Cycler

Our qMAX Gold was compared to another SYBR Mix on the Azure Cielo Real Time PCR system to measure limit of detection from a cDNA template dilution representing 10 copies of Human GAPDH gene and the results were outstanding! Amplification results showed earlier Cq with qMAX Gold, indicating better detection sensitivity.

Parameter	qMAX Gold	SYBR Green
CqMean	30.972	32.743
CV	1.47%	1.48%



Graph 1: Amplification curves showing qMAX Gold (blue) outperforming Supplier R (red) with earlier Cq.

The Azure Cielo Real-Time PCR system brings you the accuracy and sensitivity you need for your research, with intuitive touch screen software.



Item no.	Description*	Reactions
PR2010-X-100	PR1MA qMAX Gold qPCR Mix	100
PR2010-X-500	PR1MA qMAX Gold qPCR Mix	500
PR2010-X-1000	PR1MA qMAX Gold qPCR Mix	1000

*Please replace X with desired ROX level: H for High ROX, L for Low ROX, and N for No ROX.