

Maxima SYBR Green Master Mix

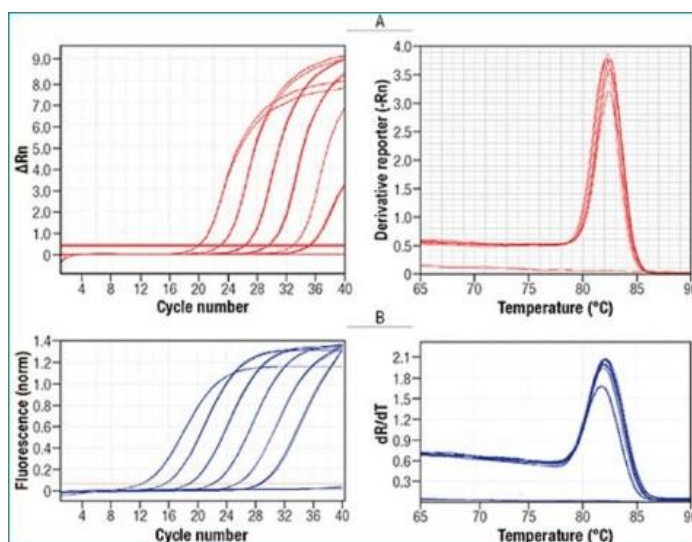
Maximize your qPCR workflow

Thermo Scientific Maxima SYBR Green qPCR Master Mix is a ready-to-use solution optimized for qPCR and 2-step RT-qPCR. The master mixes include Maxima Hot Start Taq DNA Polymerase and dNTPs in an optimized PCR buffer. Only template and primers need to be added. The SYBR Green I intercalating dye allows for DNA detection and analysis without using sequence-specific probes.

Maxima Hot Start Taq DNA Polymerase in combination with an optimized buffer ensures PCR specificity and sensitivity. dUTP is included in the mix for optional carry-over contamination control using uracil DNA glycosylase (UDG) (1). The use of Maxima SYBR Green qPCR Master Mixes in real-time PCR ensures reproducible, sensitive and specific quantification of genomic, plasmid, viral, and cDNA templates. Maxima SYBR Green qPCR Master Mixes are compatible with most most real-time thermal cyclers (see Resources for a compatibility chart).

Features include:

- Specificity—Maxima Hot Start Taq DNA Polymerase and the optimized buffer eliminate non-specific amplification and formation of primer dimers
- Sensitivity—detects low copy number targets
- Wide linear range—accurate quantification across 9 orders of magnitude
- Reproducibility and convenience—ready-to-use 2x master mix



Specific and reproducible qPCR with two different real-time PCR instruments

Amplification of the human cMyc gene was performed on serial dilutions of Jurkat cell total RNA (10 ng to 100 fg). Instruments used: A: ABI® 7500. B: Corbett RotorGene® 3000.

Product Content

All Maxima SYBR Green qPCR Master Mixes include Maxima Hot Start *Taq* DNA Polymerase and dNTPs in an optimized PCR buffer. Maxima SYBR Green/ROX qPCR Master Mix (2x) is supplemented with ROX passive reference dye. Maxima SYBR Green/Fluorescein qPCR Master Mix (2x) is supplemented with fluorescein passive reference dye. For Maxima SYBR Green qPCR Master Mix, ROX Solution provide (2x), ROX is provided in a separate vial. All Maxima SYBR Green qPCR Master Mixes are supplied with nuclease-free water.

Ordering information

Product			
Maxima SYBR Green Master Mix	Quantity	Number of reactions (25 µL)	Cat. No.
Maxima SYBR Green/ROX qPCR Master Mix (2x)	2 x 1.25 mL	200	K0221
Maxima SYBR Green/ROX qPCR Master Mix (2x)	10 x 1.25 mL	1000	K0222
Maxima SYBR Green/ROX qPCR Master Mix (2x)	4 x 12.5mL	4000	K0223
Maxima SYBR Green/Fluorescein qPCR Master Mix (2x)	2 x 1.25 mL	200	K0241
Maxima SYBR Green/Fluorescein qPCR Master Mix (2x)	10 x 1.25 mL	1000	K0242
Maxima SYBR Green/Fluorescein qPCR Master Mix (2x)	4 x 12.5mL	4000	K0243
Maxima SYBR Green qPCR Master Mix (2x), ROX Solution Provided	2 x 1.25 mL	200	K0251
Maxima SYBR Green qPCR Master Mix (2x), ROX Solution Provided	10 x 1.25 mL	1000	K0252
Maxima SYBR Green qPCR Master Mix (2x), ROX Solution Provided	4 x 12.5mL	4000	K0253

Store at -20C in the dark for long term storage or at 4C for up to one month. Avoid multiple freeze-thawing of ROX solution

Find out more at thermofisher.com/qpcr

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