

SolisFAST® Probe qPCR Mix with UNG

Fast, highly sensitive and reproducible probe-based qPCR solution



Extremely fast and highly sensitive probe-based qPCR Mix that has been optimized for detection and quantification of up to five targets simultaneously

- qPCR results 2x faster
- analyze 1-5 targets in 1 reaction
- reaction set-up and shipment without dry ice
- contains dUTP and UNG to prevent cross-contamination
- tolerant to common PCR inhibitors ([read more](#))

Ordering

Some applications of this product may require a license which is not provided by the purchase of this product.

For research use only.

Choose Product Size

- 1 ml | 250 rxn
- 5 x 1ml | 1250 rxn
- 20 ml | 5000 rxn
- 0.2 ml | 50 rxn **free sample**

REQUEST FOR BULK SIZE

Description

SolisFAST® Probe qPCR Mix is a 5x-concentrated, ready-to-use solution for fast, highly sensitive and reproducible probe-based qPCR assays using dual-labeled hydrolysis probes (e.g. TaqMan® probes), and is suitable for detection and quantitation of up to five targets simultaneously. Combining novel *in silico*-designed SolisFAST® DNA Polymerase with fast hot-start and optimized buffer, this qPCR Mix offers accurate target detection and quantification.

For extra convenience the mix includes dUTP and UNG enzyme that enable UNG treatment to prevent carryover contamination.

This master mix is developed for TaqMan® probes but is also suitable for other hydrolysis probe types.

Properties

Concentration: 5x

Hot-start: yes, 3 minutes initial incubation at 95°C

Cycling speed: fast or ultra-fast

Detection type: Probe-based

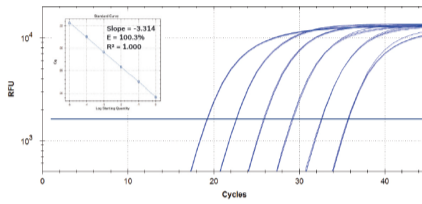
Reference dye: Purple

Multiplex: up to 5 plexes simultaneously

Compatible real-time instruments: The mix is compatible with qPCR cyclers where Purple dye can be used as a passive reference signal for normalization of fluorescent signal.

Applications

DNA/LNA hydrolysis probe based assays
Detection and quantification of DNA and cDNA targets
Profiling gene expression
Microbial detection
Viral load determination



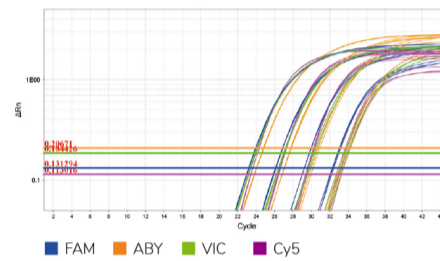
Accurate and sensitive qPCR

Mix Components:

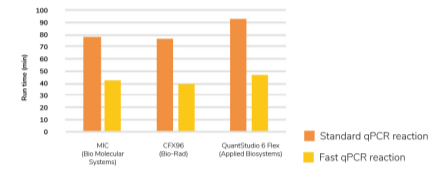
SolisFAST® DNA Polymerase: *In silico*- designed analogue of Taq DNA polymerase with enhanced stability at room temperature, fast hot-start and faster extension rates compared to the wild-type Taq DNA polymerase.

qPCR buffer: Includes 16.5 mM MgCl₂ - 1x PCR solution 3.3 mM MgCl₂, dNTPs (dATP, dCTP, dGTP, dUTP), UNG and additives that maximize efficiency of PCR

Reference dye: Purple dye is an internal passive reference dye used to normalize the fluorescent reporter signal generated in qPCR



Excellent for multiplex assays



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