

# SolisFAST® Probe qPCR Mix



## 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

delivers qPCR results 2x faster (in as little as 30 minutes)

reliable quantification in up to 5-plex assays

consistent results with low- and high-copy targets

robust performance

30-day stability at room temperature

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 our novel *in silico*-designed SolisFAST® DNA Polymerase and optimized buffer, this mix offers robust qPCR, and accurate target detection combined with ice free shipping and reaction set-up

## Properties

**Concentration:** 5x

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

**Cycling speed:** fast and ultra-fast

**Detection type:** Probe-based

**Reference dye:** ROX

**Multiplex:** up to 5 plexes simultaneously

**Compatible real-time instruments:** The mix is compatible with qPCR cyclers that require an internal reference dye (e.g. ROX) 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

## 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 15 mM MgCl<sub>2</sub> (1x PCR solution 3 mM MgCl<sub>2</sub>), dNTPs (dATP, dCTP, dGTP, dTTP), additives that maximize efficiency of PCR

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

### India Contact:

#### **Life Technologies (India) Pvt. Ltd.**

306, Aggarwal City Mall, Opposite M2K Pitampura,  
Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222

Mobile: +91-9810521400

Fax: +91-11-42208444

Email: [customerservice@lifetechindia.com](mailto:customerservice@lifetechindia.com)

Web: [www.lifetechindia.com](http://www.lifetechindia.com)