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SolisFAST® Probe qPCR Mix

Fast and highly sensitive probe-based qPCR

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Features

- **Fast** – delivers reproducible qPCR results up to 2x faster
- **Accurate** – reliable quantification in up to 5-plex assays
- **Sensitive** – consistent results with low- and high-copy targets
- **Trustworthy** – robust performance and 3 to 6 months stability at room temperature*

Use mixes to reduce set-up time even more. Add only primers, probes, nuclease free water and DNA template.

* SolisFAST® Probe qPCR Mixes are stable for 6 months and SolisFAST® Probe qPCR Mixes with UNG are stable for 3 months at 25°C.

SolisFAST® Probe qPCR Mix is a 5x-concentrated 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 with the Stability TAG [1][2][3], increased tolerance to inhibitors and optimized buffer, this mix offers robust qPCR, and accurate target detection combined with ice-free shipping and reaction set-up.

Up to 2x less time from sample to results!

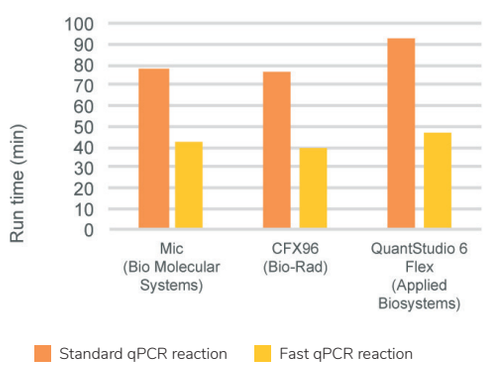

Figure 1. Example of thermal cycling time saving. Duration of a 40-cycle qPCR run with standard thermal conditions using regular qPCR mix (initial activation 10-12 min; denaturation 15 sec, annealing/extension 40-60 sec) and fast thermal conditions using SolisFAST® Probe qPCR Master Mix (initial activation 2-3 min; denaturation 2-5 sec, annealing extension 10-20 sec). Amplifications were performed on human gDNA.

Worldwide ice-free shipping!

[1] Kahre, O., Artma, K., Kahre, T. (2015). European Patent No. 2501716 B1. **[2]** Kahre, O., Artma, K., Kahre, T. (2016). US Patent No. 9,321,999 B2.
[3] Kahre, O., Artma, K., Kahre, T. (2017). South Korea Patent No. 10-1773636 B1.

Accurate and sensitive qPCR in singleplex and multiplex assays!

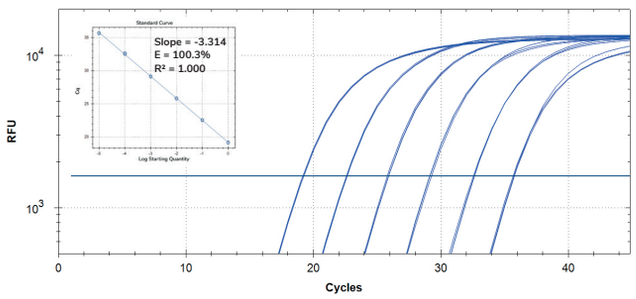

Figure 2. Amplification of a 101 bp fragment of PPIA gene using six tenfold dilutions of human cDNA (100 ng – 1 pg, three replicates at each concentration). qPCR was performed on a CFX96™ qPCR cycler (Bio-Rad) using SolisFAST® Probe qPCR Mix (no ROX), with detection in FAM channel. Thermal conditions: activation 30 sec at 95 °C, cycling 2 sec at 95 °C, 10 sec at 60 °C.

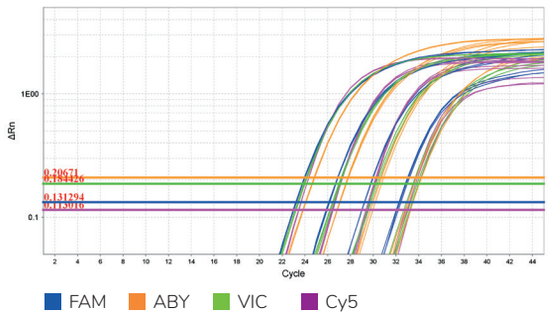

Figure 3. Four-plex qPCR amplification with four tenfold serial dilutions of human gDNA (40 ng – 40 pg, three replicates at each concentration). qPCR was performed on a QuantStudio™ 6 Flex qPCR cycler (Applied BioSystems™) with SolisFAST® Probe qPCR Mix (ROX) using ROX dye for normalization. Thermal conditions: activation 3 min at 95 °C, cycling 5 sec at 95 °C, 20 sec at 60 °C.

Avoid carry-over contamination with mixes containing UNG!

Reduce reagent cost and reaction set-up time by detecting multiple targets in a single reaction!

Ordering information

Product	CAT. NO.	RXN / 20 µl
SolisFAST® Probe qPCR Mix (no ROX)	28-01-0000S (free sample) 28-01-00001 28-01-00001-5 28-01-00020	50 rxn / 20 µl 250 rxn / 20 µl 5x (250 rxn / 20 µl) 5000 rxn / 20 µl
SolisFAST® Probe qPCR Mix (ROX)	28-02-0000S (free sample) 28-02-00001 28-02-00001-5 28-02-00020	50 rxn / 20 µl 250 rxn / 20 µl 5x (250 rxn / 20 µl) 5000 rxn / 20 µl
SolisFAST® Probe qPCR Mix (Purple)	28-03-0000S (free sample) 28-03-00001 28-03-00001-5 28-03-00020	50 rxn / 20 µl 250 rxn / 20 µl 5x (250 rxn / 20 µl) 5000 rxn / 20 µl
SolisFAST® Probe qPCR Mix with UNG (no ROX)	28-21-0000S (free sample) 28-21-00001 28-21-00001-5 28-21-00020	50 rxn / 20 µl 250 rxn / 20 µl 5x (250 rxn / 20 µl) 5000 rxn / 20 µl
SolisFAST® Probe qPCR Mix with UNG (ROX)	28-22-0000S (free sample) 28-22-00001 28-22-00001-5 28-22-00020	50 rxn / 20 µl 250 rxn / 20 µl 5x (250 rxn / 20 µl) 5000 rxn / 20 µl
SolisFAST® Probe qPCR Mix with UNG (Purple)	28-23-0000S (free sample) 28-23-00001 28-23-00001-5 28-23-00020	50 rxn / 20 µl 250 rxn / 20 µl 5x (250 rxn / 20 µl) 5000 rxn / 20 µl

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For further details
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Ask for a FREE SAMPLE!