

# SolisFAST<sup>®</sup> SolisGreen<sup>®</sup> qPCR Mix

Fast and highly sensitive  
dye-based qPCR

[solisbiodyne.com](http://solisbiodyne.com)



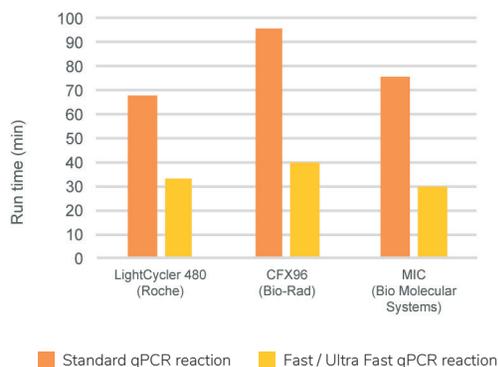
## Features

- **Fast** – delivers reproducible qPCR results up to 2x faster
- **Accurate** – reliable quantification across technical replicates
- **Sensitive** – consistent results with low- and high-copy targets
- **Trustworthy** – robust performance and 3 months stability at room temperature for extra convenience

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

SolisFAST<sup>®</sup> SolisGreen<sup>®</sup> qPCR Mix is a 5x-concentrated solution optimized for fast, highly sensitive and reproducible dye-based qPCR assays. Combining novel *in silico*-designed SolisFAST<sup>®</sup> DNA Polymerase with the Stability TAG<sup>[1][2][3]</sup>, increased tolerance to inhibitors and fast hot-start, optimized buffer and the SolisGreen<sup>®</sup> dye, this qPCR Mix offers robust qPCR, accurate target detection, ice free shipping and reaction set-up.

## Results in 30 minutes!



**Figure 1. Thermal cycling protocol time saving.** Duration of a qPCR run with standard thermal conditions using regular qPCR mix and fast thermal conditions using SolisFAST<sup>®</sup> SolisGreen<sup>®</sup> qPCR Mix (refer to Table 1 for program details).

**Worldwide  
ice-free  
shipping!**

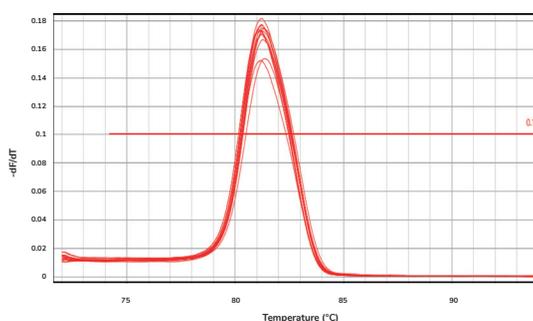
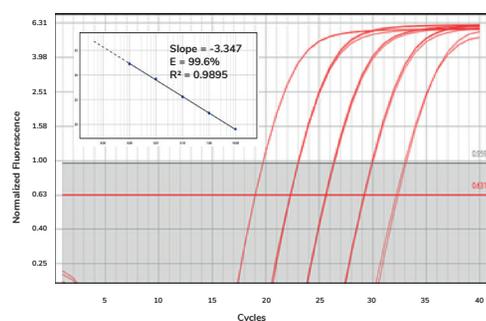
## Ultra fast cycling without compromising on performance!

**Table 1.** Examples of cycling conditions and run times with SolisFAST® SolisGreen® qPCR Mix on different qPCR cyclers: QuantStudio™ 6 Flex (Applied Biosystems), LightCycler® 480 (Roche), CFX96™ (Bio-Rad), Mic (Bio Molecular Systems). qPCR cycler (Bio Molecular Systems).

		QS 6 Flex (ABI)	LC480 (Roche)	CFX96 (Bio-Rad)		Mic (BMS)	
Cycling mode		Fast	Fast*	Ultra Fast	Fast*	Ultra Fast	Fast*
Initial denaturation at 95°C		3 min	2 min	2 min	2 min	1 min	2 min
40 cycles	Denaturation at 95°C	5 sec	5 sec	1 sec	5 sec	1 sec	5 sec
	Annealing/extension at 60°C - 65°C	20 sec	20 sec	5 sec	20 sec	1 sec	20 sec
Total run time		64 min	33 min	40 min	60 min	30 min	50 min

\* Typical fast cycling program compatible with a wide range of qPCR cyclers.

## Accurate and sensitive qPCR!



**Figure 2.** Amplification of a 75 bp fragment of B2M gene using five tenfold dilutions of human cDNA (100 ng – 10 pg with three replicates at each concentration) with SolisFAST® SolisGreen® qPCR Mix. qPCR was performed on a Mic qPCR cycler (Bio Molecular Systems). Thermal conditions: activation 30 sec at 95 °C, cycling 5 sec at 95 °C, 20 sec at 60 °C.

## Ordering information

Product	CAT. NO.	RXN / 20 µl
SolisFAST® SolisGreen® qPCR Mix (no ROX)	28-41-0000S	50 rxn / 20 µl
	28-41-00001	250 rxn / 20 µl
	28-41-00001-5	5x (250 rxn / 20 µl)
	28-41-00020	5000 rxn / 20 µl
SolisFAST® SolisGreen® qPCR Mix (ROX)	28-46-0000S	50 rxn / 20 µl
	28-46-00001	250 rxn / 20 µl
	28-46-00001-5	5x (250 rxn / 20 µl)
	28-46-00020	5000 rxn / 20 µl

» Ask for a FREE SAMPLE!



FL-28-SG-SH-V2

For further details and ordering please contact [info@solisbiodyne.com](mailto:info@solisbiodyne.com) or call +372 740 9960