

SolisFAST® SolisGreen® qPCR Mix

Fast and highly sensitive
dye-based qPCR

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 30-day stability at room temperature for extra convenience

The mix contains all components necessary, except primers, nuclease-free water, and DNA template.

SolisFAST® SolisGreen® qPCR Mix is a 5x-concentrated ready-to-use solution optimized for fast, highly sensitive and reproducible dye-based qPCR assays. Combining novel *in silico*-designed SolisFAST® DNA Polymerase with fast hot-start, optimized buffer and the SolisGreen® dye, this qPCR Mix offers robust qPCR, accurate target detection, ice free shipping and reaction set-up.

Results in 30 minutes!

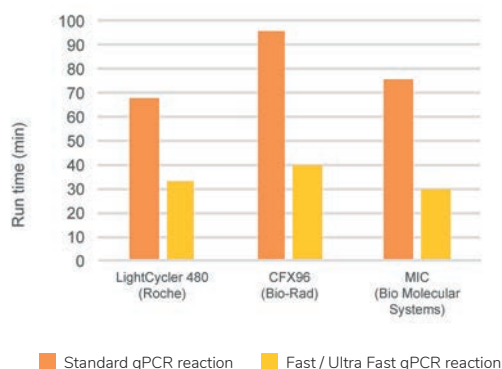


Figure 1. Thermal cycling protocol time saving. Duration of a qPCR run with standard thermal conditions using regular qPCR mix and fast thermal conditions using SolisFAST® SolisGreen® qPCR Mix (refer to Table 1 for program details).

**Worldwide
ice-free
shipping!**

Ultra fast cycling without compromising on performance!

		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

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). Thermal conditions: activation 30 sec at 95 °C, cycling 5 sec at 95 °C, 20 sec at 60 °C.

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

Accurate and sensitive qPCR!

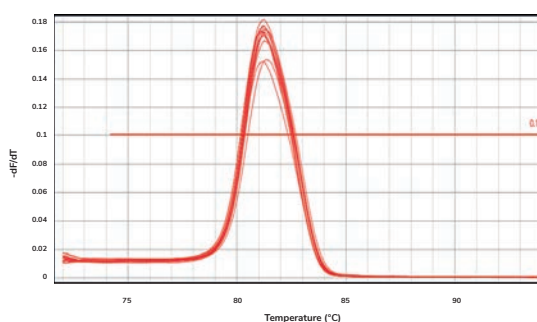
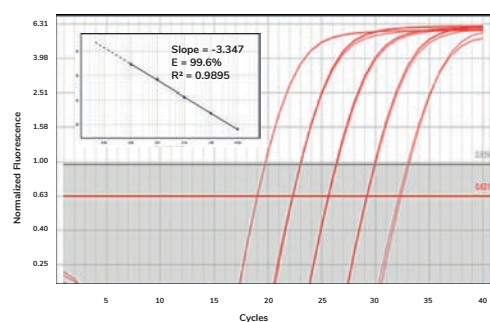


Figure 2. Amplification of a 75 bp fragment of B2M gene using five tenfold dilutions of human cDNA (100 ng – 10 pg with three replicates at each concentration) with SolisFAST® SolisGreen® qPCR Mix. qPCR was performed on a Mic qPCR cycler (Bio Molecular Systems). Thermal conditions: activation 30 sec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



For further details and ordering please contact info@solisbiodyne.com or call +372 740 9960