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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 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® SolisGreen® qPCR Mix is a 5x-concentrated solution optimized for fast, highly sensitive and reproducible dye-based qPCR assays. Combining novel *in silico*-designed SolisFAST® DNA Polymerase with the Stability TAG [1][2][3], increased tolerance to inhibitors and 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!

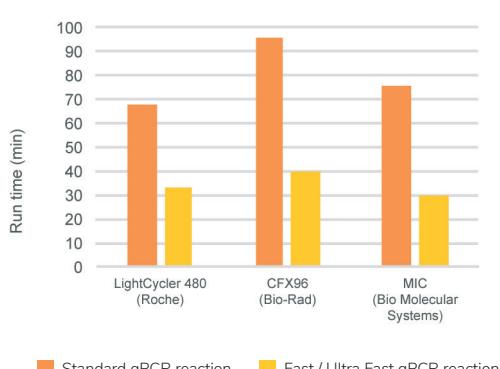


Figure 1. Thermal cycling protocol time saving. Duration of a qPCR run with standard thermal conditions using regular qPCR mix and fast thermal conditions using SolisFAST® SolisGreen® qPCR Mix (refer to Table 1 for program details).

Worldwide
ice-free
shipping!

[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.

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
	Annealing/extension at 60°C - 65°C	20 sec	20 sec	5 sec	20 sec	1 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!

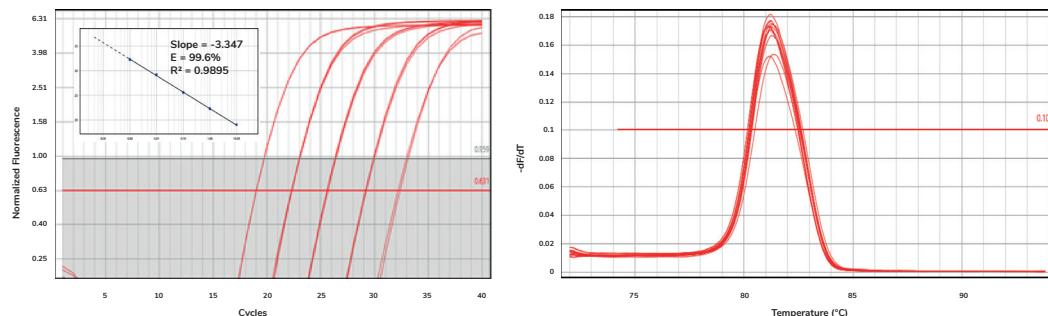


Figure 2. Amplification of a 75 bp fragment of B2M gene using five tenfold dilutions of human cDNA (100 ng – 10 pg with three replicates at each concentration) with SolisFAST® SolisGreen® qPCR Mix. qPCR was performed on a Mic qPCR cycler (Bio Molecular Systems). Thermal conditions: activation 30 sec 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 28-41-00001 28-41-00001-5 28-41-00020	50 rxn / 20 µl 250 rxn / 20 µl 5x (250 rxn / 20 µl) 5000 rxn / 20 µl
SolisFAST® SolisGreen® qPCR Mix (ROX)	28-46-0000S 28-46-00001 28-46-00001-5 28-46-00020	50 rxn / 20 µl 250 rxn / 20 µl 5x (250 rxn / 20 µl) 5000 rxn / 20 µl

» Ask for a FREE SAMPLE!

FL-28-SG-SH-V2



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