



**SOLIS  
BIODYNE**

INNOVATION POWERED BY NATURE

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# HOT FIREPoI® SolisGreen® qPCR solutions

Highly sensitive dye-based  
(RT)-qPCR Products

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

**Exceptional fluorescence**  
Stable results even under  
temperature stress conditions

**High sensitivity**  
Great when working with low  
concentrated samples

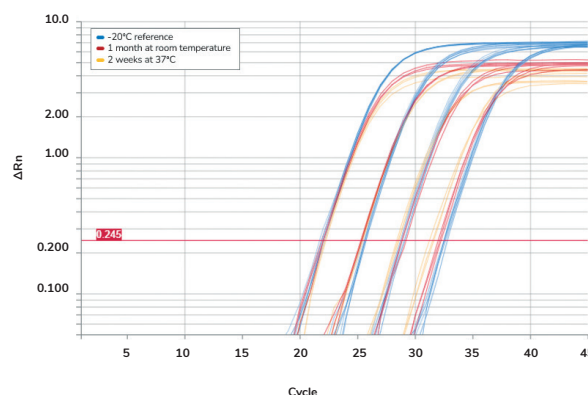
**Great PCR efficiency**  
Reliable and easy-to-analyze  
results

HOT FIREPoI® SolisGreen® qPCR Mix 2.0 and SOLIScript® 1-step SolisGreen® Kit 2.0 are solutions specially designed for real-time quantitative PCR and one-step RT-PCR (RT-qPCR) assays, respectively. These products contain all the necessary components, except sample (DNA/RNA template) and primers, to perform reactions with accurate and highly sensitive results. The products include a passive reference based on ROX dye making it compatible with both ROX-dependent and ROX-independent qPCR cyclers.

## Features

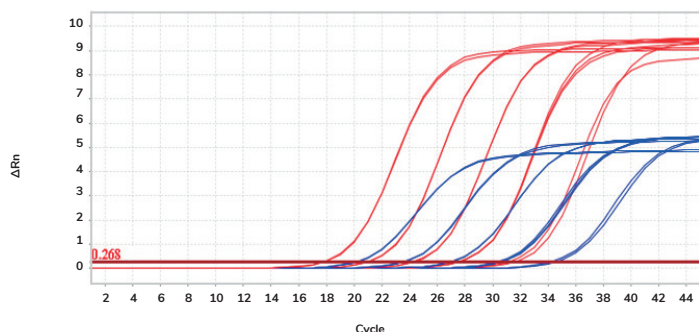
- **Good reproducibility:** high reproducibility is ensured with production of each batch, promoting consistent lot-to-lot results.
- **Reliable:** great amplification results even with low concentrations and low copy-number samples.
- **Easy to use:** just add primers and samples and start the qPCR cyclers, reducing training time and user error.
- **Environmentally friendly:** the product contains a specially developed SolisGreen® dye that is environmentally friendly and safe to use. Additionally, the product is exceptionally stable enabling world-wide ice-free shipping!
- **Non-specific amplification prevention:** HOT FIREPoI® DNA Polymerase is activated by a 10 min incubation step at 95°C. This prevents the extension of non-specifically annealed primers and primer-dimers formed at low temperatures during qPCR setup.

**Remarkable stability at higher temperatures – reducing your CO<sub>2</sub> footprint by enabling worldwide ice-free shipping!**



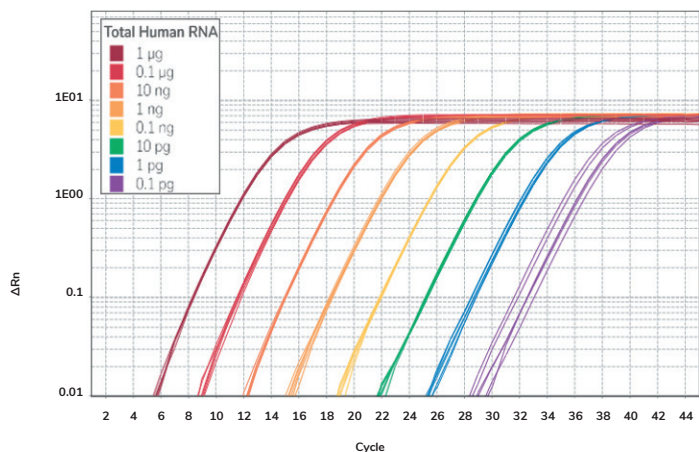
**Figure 1.** Amplification plot showcasing results of stability testing with HOT FIREPoI® SolisGreen® qPCR Mix 2.0. Stability testing was carried out with TUBA8 target on four 10-fold dilutions (20 pg to 20 ng) of human gDNA using Quantstudio™ 6 Pro qPCR cycler (Applied Biosystems™). The results demonstrate great sensitivity and reproducibility with high fluorescence levels when tested for 2 weeks at 37°C (yellow), and 1 month at room temperature (25°C, red) in comparison of a product kept at -20°C as a reference (blue).

## Exceptional fluorescence levels even with low sample concentrations!



**Figure 2.** HOT FIREPol® SolisGreen® qPCR Mix 2.0 (red) indicates approximately two times brighter fluorescence signal when compared to HOT FIREPol® EvaGreen® qPCR Supermix. B2M target was amplified in five 10-fold cDNA dilutions (0.01 ng to 0.1 µg) using QuantStudio™ 6 Flex qPCR cycler (Applied Biosystems™).

## Accurate quantification across a broad dynamic range!



**Figure 3.** One-step RT-qPCR amplification plot showcasing extreme accuracy across a broad dynamic range. SOLIScript® 1-step SolisGreen® Kit 2.0 was used to target PPIA gene fragment using eight 10-fold serial dilutions (0.1 pg–1 µg) of Human Reference total RNA. Reactions were run on QuantStudio™ 6 Flex qPCR cycler (Applied BioSystems™).

## Applications

- Gene expression analysis and absolute quantification
- Pathogen detection and quantification
- Low-copy gene detection
- Cell-free DNA analysis (HOT FIREPol® SolisGreen® qPCR Mix 2.0)

## Clients report

- Exceptional stability!
- Remarkable sensitivity in food pathogen testing

See more information for  
**HOT FIREPol® SolisGreen® qPCR Mix 2.0**



Discover  
**SOLIScript® 1-step SolisGreen® Kit 2.0**



## Ordering information

Bulk solutions available!

Product	CAT. NO.	20 µL Reactions
HOT FIREPol® SolisGreen® qPCR Mix 2.0	08-47-0000S (sample)	50 rxn
	08-47-00001	250 rxn
	08-47-00001-5	5x 250 rxn (1250 rxn)
	08-47-00001-10	10x 250 rxn (2500 rxn)
	08-47-00020	5000 rxn
SOLIScript® 1-step SolisGreen® Kit 2.0	08-91-0000S (sample)	50 rxn
	08-91-00250	250 rxn

FL-08-47/08-91-V1



For further details and ordering please contact  
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or call +372 740 9960

Request a free sample  
info@solisbiodyne.com