

# SOLIScript® 1-step SolisGreen® Kit

## Highly sensitive dye-based one-step RT-qPCR

SOLIScript® 1-step SolisGreen® Kit is an optimized solution for highly sensitive real-time one-step RT-PCR (RT-qPCR) using intercalating dye detection via the SYBR®/FAM fluorescence channel.



- cDNA synthesis and dye-based qPCR in one tube
- high specificity, sensitivity and yield
- reaction set-up and shipment without ice
- consistent results with low RNA input
- RNase inhibitor included in kit
- compatible with most cyclers

## Ordering

### Choose Product Size

250 rxn | 250 x 20 µl rxn

50 rxn | 50 x 20 µl rxn **free**

sample

REQUEST FOR BULK SIZE

Some applications of this product may require a license which is not provided by the purchase of this product.

**For research use only.**

## Reagents Provided

Item	Pcs.	Vial size
40x One-step SOLIScript® Mix	1	50 rxn   25 µl
5x One-step SolisGreen® Mix	1	50 rxn   200 µl
Water, nuclease free	1	1.25 ml

## Description

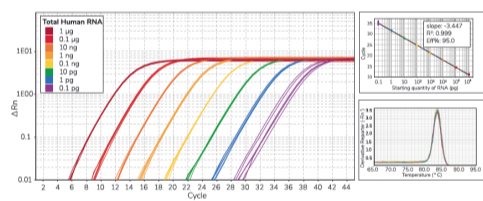
SOLIScript® 1-step SolisGreen® Kit is optimized for highly sensitive and accurate quantification of RNA targets by real-time one-step RT-PCR (RT-qPCR) using dsDNA-intercalating dye detection via the SYBR®/FAM fluorescence channel.

Compatible with ROX-independent and ROX-dependent qPCR cyclers (excluding high-ROX platforms).

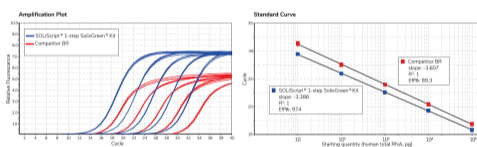
The Kit comes in 3 tubes (including water) and contains all the components necessary (except RNA template and primers) to perform cDNA synthesis and qPCR in a single tube.

## Applications

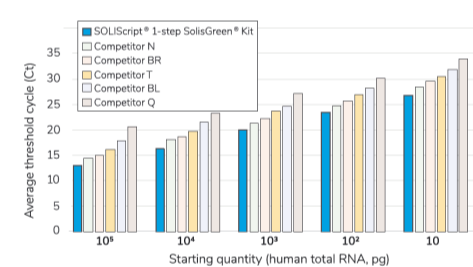
- Gene expression analysis and absolute quantification
- Pathogen detection and quantification
- Low-copy gene detection
- Gene knockdown validation
- miRNA profiling and quantification
- GMO characterization



Accurate quantification across a broad dynamic range



Sensitive amplification and bright fluorescent signal



The lowest Ct values in competition with other vendors

## Properties

**Sample type:** RNA

**Product format:** Reagent kit

**No of tubes:** three tubes

**Detection type:** Intercalating dye-based

**Reference dye:** reference dye based on ROX

**Compatible qPCR cyclers:** The Kit is compatible with ROX-independent and ROX-dependent qPCR platforms (excluding high-ROX machines, such as Applied Biosystems™ 5700, 7000, 7700, 7900HT, StepOne™, StepOnePlus™).

## Kit Components

**40x One-step SOLIScript® Mix:** SOLIScript® Reverse Transcriptase, RiboGrip™ RNase Inhibitor

**5x One-step SolisGreen® Mix:** HOT FIREPol® DNA polymerase, dNTPs (dATP, dCTP, dGTP, dTTP), 12.5 mM MgCl<sub>2</sub> (1x RT-qPCR solution – 2.5 mM MgCl<sub>2</sub>), SolisGreen® dsDNA-intercalating dye, passive reference dye based on ROX dye

**India Contact:**  
**Life Technologies (India) Pvt. Ltd.**  
306, Aggarwal City Mall, Opposite M2K Pitampura,  
Delhi – 110034 (INDIA). Ph: +91-11-42208000, 42208111, 42208222  
Mobile: +91-9810521400  
Fax: +91-11-42208444  
Email: [customerservice@lifetechindia.com](mailto:customerservice@lifetechindia.com)  
Web: [www.lifetechindia.com](http://www.lifetechindia.com)