

# Certificate of Analysis

## SOLIScript® 1-step SolisGreen® Kit

**Cat. No.**

**Lot. No.**

**Dispense No.**

**Expiry date**

**Kit Components:**

- 40x One-step SOLIScript® Mix, including:
  - SOLIScript® Reverse Transcriptase
  - RiboGrip™ RNase Inhibitor
- 5x One-step SolisGreen® Mix, including:
  - HOT FIREPol® DNA polymerase
  - Reaction buffer
  - dNTPs
  - 12.5 mM MgCl<sub>2</sub> (1x solution - 2.5 mM)
  - SolisGreen® dsDNA intercalating dye
  - Internal reference based on ROX dye
- Water, nuclease free

**Shipping:** at room temperature

**Storage conditions:** at -20°C until Expiry Date, at +4°C up to 6 months, at room temperature (15–25°C) up to 1 month.

**Freeze-thaw stability:** 30 cycles

Manufactured by Solis BioDyne in compliance with the ISO 9001 and ISO 13485 certified Quality Management System.

**FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES**

**Quality Control Assays:**

40x One-step SOLIScript® Mix:

Assay	Result
Functional testing via one-step RT-qPCR	passed
One-step RT-qPCR reproducibility	passed
DNA and RNA contamination	passed

SOLIScript® Reverse Transcriptase:

Assay	Result
Functional testing via first strand cDNA synthesis	passed
Endodeoxyribonuclease activity	passed
Exodeoxyribonuclease activity	passed

RiboGrip™ RNase Inhibitor:

Assay	Result
Inhibition of ribonuclease A	passed
Endodeoxyribonuclease activity	passed
Exodeoxyribonuclease activity	passed

5x One-step SolisGreen® Mix:

Assay	Result
Functional testing via one-step RT-qPCR	passed
One-step RT-qPCR reproducibility	passed
DNA and RNA contamination	passed

HOT FIREPol® DNA Polymerase:

Assay	Result
Functional testing via PCR	passed
Endodeoxyribonuclease activity	passed
Exodeoxyribonuclease activity	passed
Self-priming activity	passed

Water, nuclease free

Assay	Result
DNase/RNase/Nuclease-free	passed
DNA contamination	passed

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**APPROVED BY:**