

Certificate of Analysis

SolisFAST® 1-step RT-PCR Kit with UNG Ready to Load

Cat. No.

Lot No.

Pack Lot No.

Expiry date

Kit Components:

1. 40x One-step RT Mix, including:
 - SOLIScript® Reverse Transcriptase
 - FIREScript® Reverse Transcriptase
 - RiboGrip® RNase Inhibitor (220 U/μl)
2. 4x One-step HOT SolisFAST® Mix with UNG
 - HOT SolisFAST® DNA Polymerase
 - Salini UNG® Uracil-N-Glycosylase
 - A unique reaction buffer with dNTPs (including dUTP)
 - 6.4 mM MgCl₂ (1x solution – 1.6 mM)
 - Blue dye: Migration equivalent to 3.5–4.5 kb DNA fragment
 - Yellow dye: Migration equivalent to 35–45 bp DNA fragment
3. 5x AmpliBoost™ RT-PCR Enhancer
4. Water, nuclease free

Shipping: at ambient temperature

Storage and stability*:

- Routine storage at -20°C (-18°C to -28°C) until Expiry Date.
- Stable at room temperature (15–25°C) for up to 1 month.

Freeze-thaw stability: 10 cycles.

Safety precautions: Please refer to the Safety Data Sheet for more information

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

Quality Control Assays:

SolisFAST® 1-step RT-PCR Kit with UNG Ready to Load:

Assay	Result
Functional testing via one-step RT-PCR	passed
One-step RT-PCR reproducibility	passed
Lot-to-lot variability	passed
UNG activity	passed
DNA and RNA contamination	passed

Note - Standard Quality Control Tests are performed for each individual enzyme component included in the product and meet the designated specifications.

**Product stability is assessed using routine QC assays and QC criteria set forth in the product specification and are intended to provide guidelines for shipping and storage conditions only. Customer or its designee shall be responsible for conducting all necessary stability testing applicable to their assay and/or QC criteria, and to comply with any applicable regulatory requirements or guidelines. Such stability testing shall include testing to validate the lead times for shipment, the shelf life of, and the product specifications applicable to shipment, storage and handling of the assay assembled and packed by the customer.*

COA-04-54 v1

Effective from 12.06.2024

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

APPROVED BY:

Head of Quality and Product Management