

Certificate of Analysis

HOT FIREPoI® DNA Polymerase Kit

Cat. No.

Lot No.

Pack Lot No.

Expiry date

Concentration: 5 U/μl

Reagents provided:

- **HOT FIREPoI® DNA Polymerase** (5 U/μl):
20 mM Tris-HCl pH 8.7 at 25°C, 100 mM KCl,
0.1 mM EDTA, 50% glycerol (v/v), and
stabilizers
- **10x Reaction buffer B1** (Mg²⁺ and detergent
free):
0.7 M Tris-HCl, 0.175 M (NH₄)₂SO₄
- **10x Reaction buffer B2** (Mg²⁺ free):
0.7 M Tris-HCl, 0.175 M (NH₄)₂SO₄, 0.2% w/v
Tween-20
- **25 mM MgCl₂**
- **10x Solution S**

Shipping: at ambient temperature.

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

Freeze-thaw stability: 30 cycles.

Safety precautions: Please refer to 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:

Assay	Result
Protein purity assay (SDS-PAGE)	passed
Endodeoxyribonuclease activity	passed
Exodeoxyribonuclease activity	passed
Self-priming activity	passed
Amplification efficiency	passed
PCR reproducibility	passed
DNA contamination (human gDNA)	passed

Note – Standard Quality Control Tests are
performed for each individual kit 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-01-02-KIT v1
Effective from 17.01.2024

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

APPROVED BY:

Head of Quality and Product Management