

Certificate of Analysis

FIREPoI® DNA Polymerase Kit

Cat. No.

Lot No.

Pack Lot No.

Expiry date

Concentration: 5 U/μl

Reagents provided:

- **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 B** (Mg²⁺ free):
0.8 M Tris-HCl, 0.2 M (NH₄)₂SO₄, 0.2% w/v Tween-20
- **10x Reaction buffer BD** (Mg²⁺ and detergent free):
0.8 M Tris-HCl, 0.2 M (NH₄)₂SO₄
- **25 mM MgCl₂**
- **10x GC-rich Enhancer**

Shipping: at room 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.*

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

APPROVED BY:

Head of Quality and Product Management