

Certificate of Analysis

FIREPol® Master Mix Ready to Load with 12.5 mM MgCl₂

Cat. No.

Lot No.

Pack Lot No.

Expiry date

Concentration: 5x concentrate

Mix composition:

- FIREPol® DNA Polymerase
- 5x Reaction Buffer Mix
0.4M Tris-HCl, 0.1M (NH₄)₂SO₄,
0.1% w/v Tween-20
- 12.5 mM MgCl₂
1x PCR solution – 2.5 mM MgCl₂
- 1 mM dNTPs of each
1x PCR solution – 200 µM dATP, 200 µM dCTP,
200 µM dGTP and 200 µM dTTP
- Blue dye
Migration equivalent to 3.5-4.5 kb DNA fragment
- Yellow dye
Migration equivalent to <35-45 bp DNA fragment
- Compound that increases sample density for
direct loading

Shipping: at ambient temperature

Storage and stability*: 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

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
Amplification efficiency	passed
PCR reproducibility	passed
DNA contamination (λDNA)	passed

COA-04-12 v2

Revised 28.11.2023

Note - Standard Quality Control Tests are
performed for each individual 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.*

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

APPROVED BY:

Head of Quality and Product Management