SOLIS BIODYNE

INNOVATION POWERED **BY NATURE**

SOLIS BIODYNE OÜ
A: Teaduspargi 9, 50411 Tartu, Estonia
E: info@solisbiodyne.com
T: +372 7409 960

FIREPol® DNA Polymerase, HOT FIREPol® DNA Polymerase

The *Taqtical Taq* choice
One enzyme for many applications

solisbiodyne.com

Benefits of FIREPol® and HOT FIREPol® DNA Polymerases

- 1 month room temperature stability
- Reaction set-up and shipment without ice
- Specific and sensitive amplification
- Flexible kit format for reaction mix optimization
- Possibility for customization
- Fast delivery and good price-quality ratio
- Produced in the European Union (EU)
- Quick ordering from e-shop and responsive technical support

FIREPol® DNA Polymerase is a genetically modified thermostable Taq DNA polymerase. Thanks to the Stability TAG[1] technology, FIREPol® is stable at room temperature with no activity loss for up to 1 month.
HOT FIREPol® DNA Polymerase is a chemically modified version of FIREPol®, enabling hot-start PCR that improves specificity and accuracy, minimizes mispriming and primer-dimer formation.
FIREPol® and **HOT FIREPol®** are supplied in a flexible kit format, containing optimized reaction buffers, $MgCl_2$ and Solution S for simplifying the amplification of GC-rich targets.

Learn more about the products and explore the publications on the product websites:

FIREPol® DNA Polymerase

HOT FIREPol® DNA Polymerase

FIREPol® and HOT FIREPol® DNA Polymerases are popular choices for many applications:

- PCR, qPCR
- Pre-amplification for Sanger sequencing and NGS
- Genotyping
- Colony PCR
- TA cloning

TIP!

The catalogue solution is not for you?
Request for custom formulations:

- Standalone polymerase
- Low-glycerol/no-glycerol format
- High-concentrated format
- Other custom formulations tailored for your needs
- Solutions for OEM, white labeling, bulk production and custom sizing

Send your request to
info@solisbiodyne.com

[1] Kahre, O. et al., Compositions for increasing polypeptide stability and activity, and related methods, EP2501716B1 (2015) and US9321999B2 (2016).

High yield and specific amplification even in multiplexing

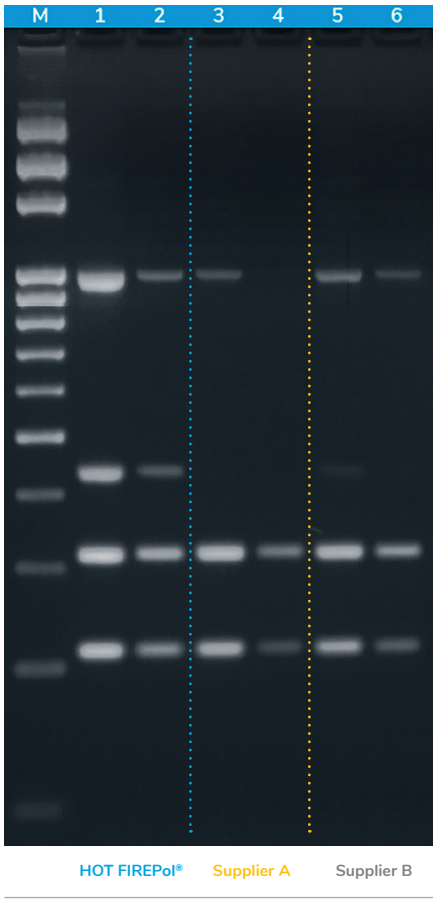

Figure 1. Four human gDNA targets were amplified in multiplex reactions with two 10-fold gDNA dilutions using HOT FIREPol® DNA Polymerase (lanes 1-2) and two other hot-start DNA polymerases from supplier A (lanes 3-4) and supplier B (lanes 5-6). HOT FIREPol® produced higher yields with both dilutions.

TIP! Prefer to work with pre-mixed master mixes?

FIREPol® and HOT FIREPol® DNA Polymerases are also available in ready-to-use formulations:

- Endpoint PCR master mixes
- Dye-based qPCR master mixes
- Probe-based qPCR master mixes
- 1-step RT-qPCR kits

Learn more here: https://solisbiodyne.com/EN/products

Commitment to quality

Quality has always been the core value of our work. To ensure we match the high quality requirements of our partners in the research and diagnostic sector, we implemented and follow ISO standards.

Reference:

> The products were awesome, always worked well and the price was reasonable. Customer service was important for us. My students received terrific suggestions from Solis BioDyne on how to improve the workflow.

PROFESSOR GLENN DORSAM
USA

Kit components:

FIREPol® DNA Polymerase (5 U/µl)
- FIREPol® 10 x Buffer B
- FIREPol® 10 x Buffer BD
- 25 mM $MgCl_2$
- 10 x Solution S

HOT FIREPOL® DNA Polymerase (5 U/µl)
- HOT FIREPol® 10 x Buffer B1
- HOT FIREPol® 10 x Buffer B2
- 25 mM $MgCl_2$
- 10 x Solution S

Ordering information

Product	CAT. NO.	Size
FIREPol® DNA Polymerase	01-01-0000S 01-01-00500 01-01-01000 01-01-02000	100 U I 20 µl (free sample) 500 U I 100 µl 1000 U I 200 µl 2000 U I 400 µl
HOT FIREPol® DNA Polymerase	01-02-0000S 01-02-00500 01-02-01000	100 U I 20 µl (free sample) 500 U I 100 µl 1000 U I 200 µl

FL-01-01+02-V1

SOLIS BIODYNE

For further details and ordering please contact
info@solisbiodyne.com
or call **+372 740 9960**

Request for a free sample
info@solisbiodyne.com