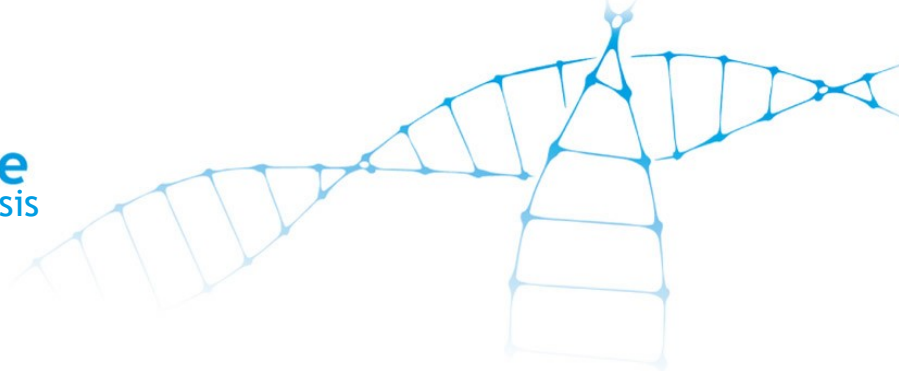




Solis BioDyne

Certificate of Analysis



HOT TERMIPol[®] DNA Polymerase

Cat. No.

Lot. No.

Dispense No.

Expiry date

Description:

HOT TERMIPol[®] DNA polymerase is a chemically modified TERMIPol[®] DNA polymerase. At ambient temperatures it is inactive, having no polymerase activity. HOT TERMIPol[®] DNA polymerase is fully activated by a 8-12 minute incubation at 95°C. This prevents extension of non-specifically annealed primers. The enzyme contains 5'–3' polymerase activity and enhanced efficiency for incorporating unconventional nucleotides (ddNTPs and labeled ddNTPs).

Reagents provided:

- **HOT TERMIPol[®] DNA Polymerase**
- **10x Reaction Buffer C**
500 mM Tris-HCl pH 9.5 at 25°C
- **100 mM MgCl₂**

Concentration:

5 U/μl

Shipping and Storage conditions:

Routine storage: -20°C

Shipping and temporary storage for up to 1 month at room temperature has no detrimental effects on the quality of HOT TERMIPol[®] DNA Polymerase.

Quality Control:

Assay	Result
Amplification efficiency	≥10 ⁴ fold
PCR reproducibility	passed
ds Endodeoxyribonuclease activity	no
ss Exodeoxyribonuclease activity	no
Self-priming activity	no

Safety warnings and precautions:

This product and its components should be handled only by persons trained in laboratory techniques. It is advisable to wear suitable protective clothing, such as laboratory overalls, gloves and safety glasses. Care should be taken to avoid contact with skin or eyes. In case of contact with skin or eyes, wash immediately with water.

Some applications this product is used in may require a license which is not provided by the purchase of this product. Users should obtain the license if required.

FOR RESEARCH USE ONLY

APPROVED BY:
