

TaqNovaHS

DNA Polymerase

CERTIFICATE OF ANALYSIS

Product	TaqNovaHS DNA Polymerase
Quantity:	20U, 200U, 500U, 1000U, 2500U
Components:	TaqNovaHS DNA Polymerase, LOT: 766572 10x TaqNovaHS Reaction Buffer, LOT: 755972 50 mM MgCl ₂ , LOT: 676772
Batch Number:	705673
Expiry Date:	10.2020
Concentration:	2 U/μl
Store at:	-20°C
Shipping conditions:	Shipping on dry or blue ice
Supplied in:	20 mM Tris-HCl (pH 8.0 at 25°C), 100 mM KCl, 0.1 mM EDTA, 1 mM DTT, 0.5% (v/v) Nonident P40, 0.5% (v/v) Tween 20, 50% (v/v) glycerol
Specification:	TaqNovaHS Polymerase is a mixture of thermostable Taq DNA polymerase isolated from <i>Thermus aquaticus</i> and a highly specific monoclonal antibody, which acts as an inhibitor of the polymerization activity. The antibody binds reversibly to the enzyme, inhibiting polymerase activity at ambient temperatures, which prevents extension of non-specifically annealed primers and primer-dimers formed at low temperatures during PCR setup. The enzyme catalyses DNA synthesis in a 5' →3' direction, shows no 3 → 5' exonuclease activity, but has a 5' →3' exonuclease activity.

QUALITY CONTROL

The product was tested in PCR reaction, with a dilution series of polymerase and with a dilution series of human genomic DNA. The product is free of unspecific DNA nucleases.

Quality authorized by: Justyna Leibner-Ciszak

Date:

This document was generated electronically and is therefore valid without signature.

PRODUCT USE LIMITATION

This product of Blirt S.A. has been developed for research purposes only and it is not suitable for human and animal therapeutic or diagnostic use.

WARRANTY TERMS

Blirt S.A. guarantees that the quality of the product, within its expiry date, complies with the specifications of the Certificate of Analysis provided the product was stored properly in original packaging. In case of any complaints within specified warranty period, Blirt S.A. is obliged to replace any batch or Product's item within the Product's expiry date, free of charge. Blirt S.A. awards no other, additional warranties, excluding any other direct or indirect guarantees regarding suitability, productivity, the purpose of use, merchantability, storage conditions or any other factors in relation to products of Blirt S.A.

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