

TaqNovaHS

DNA Polymerase

CERTIFICATE OF ANALYSIS

Product	<i>TaqNovaHS</i> DNA Polymerase
Quantity:	20U, 200U, 500U, 1000U, 2500U
Components:	<i>TaqNovaHS</i> DNA Polymerase, Lot: 806072 10x <i>TaqNovaHS</i> Reaction Buffer, LOT: 755972 50 mM MgCl ₂ , LOT: 755972
Batch Number:	706472
Expiry Date:	03.2020
Concentration:	5 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:	<i>TaqNovaHS</i> 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: 18.09.2017

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

PRODUCT USE LIMITATION

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

DISCLAIMER OF WARRANTY

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