

# TaqNovaHS

## DNA Polymerase

### CERTIFICATE OF ANALYSIS

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<b>Product</b>	<i>TaqNovaHS</i> DNA Polymerase
<b>Quantity:</b>	20U, 200U, 500U, 1000U, 2500U
<b>Components:</b>	<i>TaqNovaHS</i> DNA Polymerase, Lot: 806072 10x <i>TaqNovaHS</i> Reaction Buffer, LOT: 755972 50 mM MgCl <sub>2</sub> , LOT: 755972
<b>Batch Number:</b>	706472
<b>Expiry Date:</b>	03.2020
<b>Concentration:</b>	5 U/μl
<b>Store at:</b>	-20°C
<b>Shipping conditions:</b>	Shipping on dry or blue ice 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
<b>Supplied in:</b>	
<b>Specification:</b>	<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

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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

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**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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