

TaqNovaGC

DNA Polymerase

CERTIFICATE OF ANALYSIS

Product	Taq NovaGC DNA Polymerase
Quantity:	20 U, 200 U, 1000 U
Components:	TaqNovaGC, LOT: 775872 10x TaqNovaGC Reaction Buffer, LOT: 755972 50 mM MgCl ₂ , LOT: 755972 5x GC-Additive, LOT: 675972
Batch Number:	856372
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% Nonident P40, 0.5 Tween 20, 50% glycerol
Specification:	TaqNovaGC DNA Polymerase is an ideal tool for the amplification of GC-rich templates. A recombinant and thermostable enzyme isolated from <i>Thermus aquaticus</i> , it is recommended for a wide range of applications requiring DNA synthesis at extremely high temperatures. The TaqNovaGC DNA polymerase is a universal DNA polymerase which works rapidly and effectively in various PCR conditions. 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. Additionally enabled amplification of GC-rich region (72-81% GC). The product is free of unspecific DNA nucleases.

Quality authorized by: Justyna Leibner-Ciszak Date: 30.08.2017

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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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