

# TaqNova DNA-free Polymerase

Cat. No. RP1010, RP1002, RP1002-S  
CoA Version: 1.2019

## CERTIFICATE OF ANALYSIS

---

<b>Product Name:</b>	<i>TaqNova</i> DNA-free Polymerase
<b>Catalog number:</b>	RP1010, RP1002, RP1002-S
<b>Concentration:</b>	5 U/ $\mu$ l
<b>Unit definition:</b>	One unit is defined as an amount of enzyme required to incorporate 10 nmol of dNTPs to an insoluble DNA fraction in 30 minutes at 72°C in 50 $\mu$ l reaction.
<b>Components:</b>	<i>TaqNova</i> DNA-free Polymerase, LOT: TLE726174 10x <i>TaqNova</i> DNA-free Reaction Buffer, LOT: TLB606174 50 mM MgCl <sub>2</sub> , LOT: TLM616074
<b>LOT number:</b>	TLZ716274
<b>Expiry Date:</b>	07.2021
<b>Storage conditions:</b>	-20°C
<b>Storage Buffer:</b>	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>Shipping conditions:</b>	Shipping on blue or dry ice
<b>Specification Version:</b>	PS-RP1000-1.2019

## QUALITY CONTROL

---

**Functional activity test:** The product is tested in PCR reaction, with a dilution series of human genomic DNA.

**Result:** PASS

**DNase activity:** Free of detectable DNA nuclease activities as judged by gel electrophoresis following incubation of 1 µg of DNA with 10 U of enzyme for 16 h at 37<sup>0</sup>C.

**Result:** PASS

**Protein Purity Assay:** The purity is ≥ 95% as evaluated by SDS-PAGE electrophoresis using Coomassie Blue detection.

**Result:** PASS

**DNA contamination (*E. coli* genomic):** A minimum of 1 U of enzyme is screened for the presence of *E. coli* genomic DNA using SYBR<sup>®</sup> Green qPCR with primers specific for the *E. coli* 16S rRNA locus. Results are quantified using a standard curve generated from purified *E. coli* genomic DNA. The measured level of *E. coli* genomic DNA contamination is ≤ 1 *E. coli* genome.

**Result:** PASS

**This product has been tested and shown to be in compliance with all specifications.**

**Quality authorized by:** Justyna Leibner-Ciszak

**Date:** 16.07.2019

**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.

### LIMITATION OF LIABILITY

Blirt S.A. is no liable for any direct, indirect, incidental, intentional, or consequential damages that may result from the use of or inability to use any product of Blirt's.

By purchasing any Blirt's product, a purchaser acknowledges the guarantee terms that indisputably state that the only grounds for a complaint and thereby replacement of the product, free of charge is a detection of the product's defect that compromises its functionality in accordance with its specification.