

Phi29

DNA Polymerase

CERTIFICATE OF ANALYSIS

Product	<i>phi29</i> DNA Polymerase
Quantity:	100 U, 1000 U, 5000 U
Components:	<i>phi29</i> DNA Polymerase Lot. 726672 10x <i>phi29</i> Reaction Buffer Lot. 846672
Batch Number:	726672
Expiry Date:	11.2018
Concentration:	10 U/ μ l
Store at:	-20°C
Shipping conditions:	Shipping on dry ice
Supplied in:	50 mM Tris-HCl (pH 7.5 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>phi29</i> DNA Polymerase is a highly processive recombinant polymerase with exceptional strand displacement activity, which allows for highly efficient isothermal DNA amplification. The enzyme is capable of up to 70 thousands base insertions per binding event. The polymerase also possesses a 3'-5' proofreading exonuclease activity acting preferentially on ssDNA or RNA. Therefore 3'-modified primers are recommended.

QUALITY CONTROL

All components are functionally tested in RCA assays using padlock probes and random hexamers (strand displacement, DNA polymerization and 3'-5' exonuclease activities).

Quality authorized by: Justyna Leibner-Ciszak Date: 11.01.2018

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 not 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.