

# T4 DNA Ligase

## CERTIFICATE OF ANALYSIS

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**#EN11** T4 DNA Ligase  
**Quantity:** 15 U, 500 U, 2500 U  
**Components:** T4 DNA Ligase L. 686771  
10x Ligation Buffer L. 755672  
ATP Solution (25 mM) L.796572  
**Batch Number:** 686771  
**Expiry Date:** 12.2019  
**Store at:** -20°C

**Description:** T4 DNA Ligase is an ATP-dependent recombinant enzyme isolated from *Escherichia coli* strain used to clone DNA. T4 DNA Ligase catalyzes the formation of a phosphodiester bond between juxtaposed 5'-phosphate and 3'-hydroxyl termini in duplex DNA or RNA. It will join both blunt-ended and cohesive-ended restriction fragments of DNA, as well as repair single-stranded nicks in duplex DNA, RNA or DNA/RNA hybrids.

## QUALITY CONTROL

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The product was tested in ligation of *Hind*III-cut lambda DNA with a different amounts of enzyme. The product is free of unspecific DNA nucleases.

Quality authorized by: Justyna Leibner-Ciszak

Date: 06.02.2018

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.

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