

CERTIFICATE OF ANALYSIS

IVGN2304 Anza T4 PNK (Polynucleotide Kinase) Kit

Packaging Lot: 2987980

Expiry Date: 31.03.2027 (DD.MM.YYYY)

Storage: at -20±5°C

Filling lots for components in package:

Lot	Quantity	Description
2818912	0.5 kU	Anza T4 PNK Enzyme
2940936	0.5 mL	Anza 10X T4 PNK buffer

QUALITY CONTROL

Parameter	Method	Requirement	Result
Unit definition	One unit of enzyme transfers 1 nmol of γ -phosphate from ATP to 5'-OH DNA at 37 °C in 30 min	10 ± 1 U/ μ L	Conforms
Endodeoxyribonucleases (nicking activity)	Incubation of supercoiled plasmid DNA with enzyme.	Not detectable	Conforms
Ribonucleases	Incubation of [3 H]-RNA with enzyme.	Not detectable	Conforms
Functional testing	DNA fragment is phosphorylated using Anza [™] T4 PNK, ligated with dephosphorylated vector and analysed by agarose gel electrophoresis.	Amount of unligated DNA is <5 %	Conforms

ISO CERTIFICATION

Manufactured by Thermo Fisher Scientific Baltics UAB, in compliance with ISO 9001 and ISO 13485 certified quality management system.

Quality authorized by QC: J. Žilinskienė

