

CERTIFICATE OF ANALYSIS

IVGN2304 Anza T4 PNK (Polynucleotide Kinase) Kit

Packaging Lot: 2789184

Expiry Date: 31.03.2026 (DD.MM.YYYY)

Storage: at -20±5°C

Filling lots for components in package:

| Lot | Quantity | Description |
|---------|----------|------------------------|
| 2787468 | 0.5 kU | Anza T4 PNK Enzyme |
| 2760777 | 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

