

Certificate of Analysis

Tn5 transposase

Product Number: 5000
Lot Number: 220504PB
Assay Date: 01/23
Expiration Date: 01/25
Storage Temperature: -20°C
Storage Buffer: 10 mM Tris-HCl, 10 mM MgCl₂, pH 7.5
Specification Version: DM-Tn5-v1.0

Warning: This product is distributed for laboratory research use only. **Caution: Not for diagnostic use.** The safety and efficacy of this product in diagnostic or other clinical uses has not been established.

Unit Activity: The activity of Tn5 is confirmed by fragmentation of 100 ng of λ phage DNA by 1 Unit of Tn5 in 30 minutes at 55 °C as assessed by agarose gel electrophoresis.

Specification: Fragmentation to below 1000 bp

Protein Purity: Purity > 95% as determined by SDS-PAGE analysis using Coomassie Blue detection.

DNase contaminants: A fluorescent probe-based detection kit is used to test for DNase contamination.

Specification: Below the lower limit of detection (1×10^{-4} Units of DNase I activity) in 1 U for 25 minutes at 37 °C.

RNase contaminants: A fluorescent probe-based detection kit is used to test for RNase contamination.

Specification: Below the lower limit of detection (2 pg RNase A activity) in 1 U for 25 minutes at 37 °C.

DNA contaminants: A nucleic acid stain-based kit is used to quantify contaminating DNA.

Specification: <0.2 ng in 1 U.

Product meets all specifications.

SIGNATURE:



Date: Jan 18, 2023