

## CERTIFICATE OF ANALYSIS

Product: Proteinase K 20 mg/ mL  
Product Number: S-PROK-20MG-1  
Lot Number: PK-052522-1  
Storage: -20 °C  
Quality Release Date: 05-25-2022

### Specifications:

Unit definition: One unit of the enzyme liberates 1 mmol of Folin–positive amino acids as tyrosine at 37 °C, pH7.5 using denatured hemoglobin as substrate.

DNase activity is not detected as determined by incubating Proteinase K with fluorescence–quenched oligonucleotide probes that fluorescence after DNase degradation.

RNase activity is not detected as determined by incubating Proteinase K with fluorescence–quenched oligonucleotide probes that fluorescence after RNase degradation.

Exonucleases activity is not detected as determined by incubating DNA strand with Proteinase K

### Quality control issued by:

Date:05-25-2022

## CERTIFICATE OF ANALYSIS

Product: PK buffer  
Product Number: S-PKB-7ML-1  
Lot Number: KB-052522-1  
Storage: 15-30 °C  
Quality Release Date: 05-25-2022

### Specifications:

Appearance: Clear solution

pH@25 °C : 8±0.2

DNase activity is not detected as determined by incubating PK buffer with fluorescence–quenched oligonucleotide probes that fluorescence after DNase degradation.

RNase activity is not detected as determined by incubating PK buffer with fluorescence–quenched oligonucleotide probes that fluorescence after RNase degradation.

Exonucleases activity is not detected as determined by incubating DNA strand with PK buffer.

### Quality control issued by:

Date: 05-25-2022