

# Certificate of Analysis

## Porcine RNase Inhibitor

Product Number:  
Lot Number: P230801AL  
Assay Date: 08/23  
Expiration Date: 08/25  
Storage Temperature: -20°C  
Storage Buffer: 10 mM Tris-HCl, 50 mM KCl, 8 mM DTT, 50% glycerol pH=7.5  
Specification Version: AL-pRI-v1.0

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**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:** One Unit of Porcine RNase Inhibitor activity is defined as the amount required to inhibit the activity of 10 pg of RNase A to below 50% as detected by a fluorescence-based RNase activity assay.

**Recommended concentration for LAMP assay:** 40 U/25 µL reaction.

**Physical Purity:** Purified to > 95% homogeneity as determined by SDS-PAGE analysis using Coomassie Blue detection.

**DNase contamination:** A fluorescent probe-based detection kit is used to test for DNase contamination.  
Specification: Below the lower limit of detection ( $1 \times 10^{-4}$  U DNase I activity) in >40 U for 25 minutes at 37 °C.

**RNase contamination:** A fluorescent probe-based detection kit is used to test for RNase contamination.  
Specification: Below the lower limit of detection (1 pg RNase A activity) in >40 U for 25 minutes at 37 °C.

**DNA contamination:** A nucleic acid stain-based kit is used to quantify contaminating DNA.  
Specification: <0.01 ng/U

Product meets all specifications.

SIGNATURE: 

Date: August 23, 2023