


CERTIFICATE OF ANALYSIS

Product Name	RNase R (GMP-grade, 20 U/μL)
Catalog Number	RNR01-E59C
Lot #	1M2895-9
Storage Conditions	-20°C
Expiration Date	2025-11-04

	Test	Specification Standard	Results
1	Appearance	The product name, batch number, storage conditions, and expiration date should be clearly visible. Each tube must be properly labeled and undamaged. The finished reagent box packaging must remain intact, with accurate instructions and label information. The liquid inside is colorless.	Pass
2	Enzyme activity	20-24 U/μL	21.3 U/μL
3	Protein Purity	≥95%	100%
4	Protease	The polyacrylamide gel electrophoresis shows no degradation of the protein substrate when 20U of the enzyme and 20μg of BSA substrate were added to a 20μl reaction system and incubated at 37°C for 3 hours.	Pass
5	Exonuclease	The agarose gel electrophoresis shows no changes in the DNA bands when 20U of the enzyme and 0.5μg of λDNA-HindIII digest were added to a 20μl reaction system and incubated at 37°C for 4 hours.	Pass
6	Nickase	The agarose gel electrophoresis shows less than 10% change of DNA when 20U of the enzyme and 0.5μg of plasmid DNA were added to a 20μl reaction system and incubated at 37°C for 4 hours.	Pass
7	Property	The ability to digest linear RNA and cleave circular RNA was consistent with the standard.	Pass
8	E. coli host protein	<50 ppm	Pass
9	E. coli host DNA	<10 copies/U	Pass
10	Endotoxin	<10 EU/mg	Pass
11	Mycoplasma examination	Negative	Pass

Approved by:


 Quality Assurance


 Date