


CERTIFICATE OF ANALYSIS

Product Name	Murine RNase Inhibitor (40 U/ μ L) , Glycerol Free
Catalog Number	RNI04-X25A
Lot #	1M2944-11
Storage Conditions	4°C
Expiration Date	2025-02-20

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 Loading capacity	The absorbance of each component in the kit must meet or exceed the standard value.	Pass
3 Enzyme activity	40-48 U/ μ L	43.4 U/ μ L
4 Protein concentration	≥ 0.6 mg/ml	1.33 mg/ml
5 Protein Purity	$\geq 95\%$	100%
6 Exonuclease	The agarose gel electrophoresis shows no changes in the DNA bands when 200U of the enzyme and 0.5 μ g of λ DNA-HindIII digest were added to the 20 μ l reaction system and incubated at 37°C for 4 hours.	Pass
7 Nickase	The agarose gel electrophoresis shows no change in the plasmid DNA when 200U of the enzyme and 0.5 μ g of plasmid DNA were added to the reaction 20 μ l system and incubated at 37°C for 4 hours.	Pass
8 RNase	The agarose gel electrophoresis shows no changes in the RNA bands when 200U of the enzyme and 0.5 μ g of 293T RNA were added to the 20 μ l reaction system and incubated at 37°C for 4 hours.	Pass
9 Amplification capacity test	The CDC primer probe was used to amplify the RNA reference E6. The difference in Ct value between the test product and the control substance being less than 0.5 and the difference in fluorescence peak increase being less than 10%.	Pass

Approved by:


 Quality Assurance

Date

2025-04-01