

Certificate of Analysis

Product Name: RNase Inhibitor, Murine**Cat. No.:** K1046

Stability

Stability -20°C , 24 months

Storage: at -20±5°C

Quality Control

Parameter	Method	Requirement	Result
Purity	SDS-PAGE determination of purity.	≥ 95%	Conforms
Enzyme Activity	Inhibitor activity measured by 50% inactivation of 5 ng Rnase A.	40 ± 2 U/μL	Conforms
Endodeoxyribonuclease and exodeoxyribonuclease	After incubation with RNase inhibitors, single- and double-stranded labeled oligonucleotides degrade.	Not detectable	Conforms
Endodeoxyribonucleases (nicking activity)	After incubation with RNase inhibitor, the supercoiled plasmid DNA is converted into nicked or linear form.	Not detectable	Conforms
Ribonucleases	Degradation of labeled RNA after incubation with RNase Inhibitor, Murine.	Not detectable	Conforms
Latent Ribonucleases	After incubation with heat-inactivated RNase inhibitor, the labeled RNA degrades.	Not detectable	Conforms

Caution

FOR RESEARCH PURPOSES ONLY.**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

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