

be INSPIRED *drive* DISCOVERY *stay* GENUINE

240 County Road Ipswich, MA 01938-2723 Tel 978-927-5054 Fax 978-921-1350 www.neb.com info@neb.com

New England Biolabs Certificate of Analysis

Product Name:	RNase H
Catalog Number:	M0297L
Concentration:	5,000 U/ml
Unit Definition:	One unit is defined as the amount of enzyme required to produce 1 nmol of ribonucleotides from 20 picomoles of a fluorescently labeled 50 base pair RNA-DNA hybrid in a total reaction volume of 50 μ l in 20 minutes at 37°C.
Packaging Lot Number:	10085846
Expiration Date:	10/2022
Storage Temperature:	-20°C
Storage Conditions:	10 mM Tris-HCl , 50 mM KCl , 1 mM DTT , 0.1 mM EDTA , 200 μg/ml BSA , 50 % Glycerol, (pH 7.4 @ 25°C)
Specification Version:	PS-M0297S/L v1.0

RNase H Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
M0297LVIAL	RNase H	10081855	Pass
B0297SVIAL	RNase H Reaction Buffer	10064336	Pass

Lot # 10085846
Pass
Pass
Pass
Pass
1 433





be INSPIRED drive DISCOVERY stay GENUINE

240 County Road Ipswich, MA 01938-2723 Tel 978-927-5054 Fax 978-921-1350 www.neb.com info@neb.com

Assay Name/Specification	Lot # 10085846
are quantified using a standard curve generated from purified E. coli genomic DNA. The measured level of E. coli genomic DNA contamination is \leq 1 E. coli genome.	
RNase Activity (Extended Digestion) A 10 µl reaction in NEBuffer 4 containing 40 ng of a 300 base single-stranded RNA and a minimum of 1 µl of RNase H is incubated at 37°C. After incubation for 16 hours, >90% of the substrate RNA remains intact as determined by gel electrophoresis using fluorescent detection.	Pass

This product has been tested and shown to be in compliance with all specifications.

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.

Timothy helf The

Timothy Meixsell Production Scientist 01 Oct 2020

Michae 2. "

Michael Tonello Packaging Quality Control Inspector 01 Oct 2020

