

## New England Biolabs Certificate of Analysis

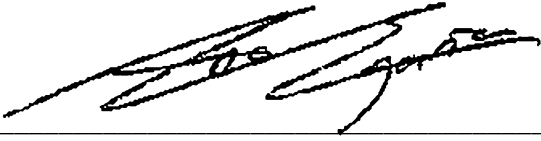
Product Name: *Monarch® RNA Cleanup Kit (500 µg)*  
 Catalog Number: *T2050S*  
 Packaging Lot Number: *10197191*  
 Expiration Date: *06/2025*  
 Storage Temperature: *25°C*  
 Specification Version: *PS-T2050S/L v3.0*

Monarch® RNA Cleanup Kit (500 µg) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T2057-21	RNA Cleanup 10 Columns (500 µg)	10183693	Pass
T2042-21	Monarch® RNA Cleanup Wash Buffer	10197128	Pass
T2041-21	Monarch® RNA Cleanup Binding Buffer	10197124	Pass
T2018-21	Monarch® Collection Tubes II	10086483	Pass
B1500-21	Nuclease-free Water	10197120	Pass

Assay Name/Specification	Lot # 10197191
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in Monarch® RNA Cleanup Kit (500 µg) and meet the designated specifications.</p>	Pass
<p><b>Functional Testing (Enzyme Inactivation and Removal)</b>            Eight Monarch® RNA Cleanup Columns (T2057, 500 µg) are tested with 50 µg of RNA and 2 units of DNase I. A 50 µl reaction in DNase I Reaction Buffer with 1 µg of pBR322 and 50% of the column eluate incubated for 10 minutes at 37°C results in &gt;99.95% removal of DNase I activity in ≥75% of the samples.</p>	Pass
<p><b>Functional Testing (RNA Recovery and Purity)</b>            Twenty-four Monarch® RNA Cleanup Columns (T2057, 500 µg) are tested with 50 µg of RNA resulting in ≥75% recovery in ≥80% of the samples. OD 260/280 and 260/230 are ≥1.75 in ≥80% of the samples.</p>	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](http://www.neb.com/trademarks) for additional information.



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11 Oct 2023



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