

## New England Biolabs Certificate of Analysis

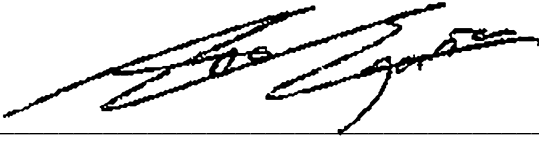
Product Name: Monarch<sup>®</sup> RNA Cleanup Kit (500 µg)  
 Catalog Number: T2050S  
 Packaging Lot Number: 10144726  
 Expiration Date: 08/2024  
 Storage Temperature: 25°C  
 Specification Version: PS-T2050S/L v3.0

Monarch <sup>®</sup> 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)	10137050	Pass
T2042-21	Monarch <sup>®</sup> RNA Cleanup Wash Buffer	10144952	Pass
T2041-21	Monarch <sup>®</sup> RNA Cleanup Binding Buffer	10144940	Pass
T2018-21	Monarch <sup>®</sup> Collection Tubes II	10108837	Pass
B1500-21	Nuclease-free Water	10144950	Pass

Assay Name/Specification	Lot # 10144726
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in Monarch<sup>®</sup> RNA Cleanup Kit (500 µg) and meet the designated specifications.</p>	Pass
<p><b>Functional Testing (Enzyme Inactivation and Removal)</b>            Eight Monarch<sup>®</sup> 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<sup>®</sup> 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.



Ana Egana  
Production Scientist  
21 Nov 2022



Michael Burzyk  
Packaging Quality Control Inspector  
21 Nov 2022