

## New England Biolabs Certificate of Analysis

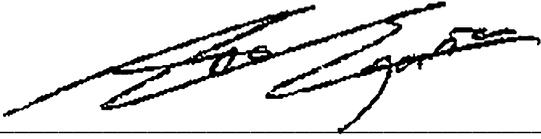
Product Name: Monarch<sup>®</sup> RNA Cleanup Kit (50 µg)  
 Catalog Number: T2040L  
 Packaging Lot Number: 10163949  
 Expiration Date: 01/2025  
 Storage Temperature: 25°C  
 Specification Version: PS-T2040S/L v3.0

Monarch <sup>®</sup> RNA Cleanup Kit (50 µg) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T2047-1	RNA Cleanup 50 Columns (50 µg)	10170034	Pass
T2042-2	Monarch <sup>®</sup> RNA Cleanup Wash Buffer	10165709	Pass
T2041-2	Monarch <sup>®</sup> RNA Cleanup Binding Buffer	10165707	Pass
T2018-1	Monarch <sup>®</sup> Collection Tubes II	10176509	Pass
B1500-2	Nuclease-free Water	10165705	Pass

Assay Name/Specification	Lot # 10163949
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in Monarch<sup>®</sup> RNA Cleanup Kit (50 µg) and meet the designated specifications.</p>	Pass
<p><b>Functional Testing (Enzyme Inactivation and Removal)</b>            Eight Monarch<sup>®</sup> RNA Cleanup Columns (T2047, 50 µg) are tested with 5 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 (T2047, 50 µg) are tested with 5 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 Apr 2023



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