

New England Biolabs Certificate of Analysis

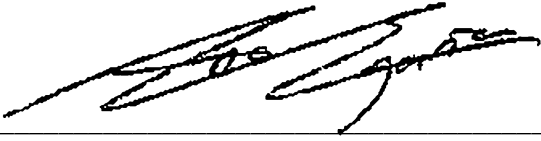
Product Name: Monarch[®] RNA Cleanup Kit (50 µg)
 Catalog Number: T2040S
 Packaging Lot Number: 10163950
 Expiration Date: 01/2025
 Storage Temperature: 25°C
 Specification Version: PS-T2040S/L v3.0

Monarch [®] RNA Cleanup Kit (50 µg) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T2047-21	RNA Cleanup 10 Columns (50 µg)	10170035	Pass
T2042-21	Monarch [®] RNA Cleanup Wash Buffer	10165719	Pass
T2041-21	Monarch [®] RNA Cleanup Binding Buffer	10165708	Pass
T2018-21	Monarch [®] Collection Tubes II	10041732	Pass
B1500-21	Nuclease-free Water	10165706	Pass

Assay Name/Specification	Lot # 10163950
<p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in Monarch[®] RNA Cleanup Kit (50 µg) and meet the designated specifications.</p>	Pass
<p>Functional Testing (Enzyme Inactivation and Removal) Eight Monarch[®] 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 >99.95% removal of DNase I activity in ≥75% of the samples.</p>	Pass
<p>Functional Testing (RNA Recovery and Purity) Twenty-four Monarch[®] 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 for additional information.



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05 Apr 2023



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05 Apr 2023