

New England Biolabs Certificate of Analysis

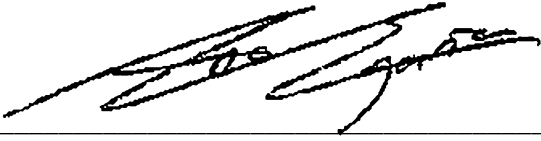
Product Name: *Monarch® RNA Cleanup Kit (500 µg)*
 Catalog Number: *T2050L*
 Packaging Lot Number: *10163954*
 Expiration Date: *01/2025*
 Storage Temperature: *25°C*
 Specification Version: *PS-T2050S/L v3.0*

Monarch® RNA Cleanup Kit (500 µg) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T2057-1	RNA Cleanup 50 Columns (500 µg)	10170038	Pass
T2042-2	Monarch® RNA Cleanup Wash Buffer	10165709	Pass
T2041-2	Monarch® RNA Cleanup Binding Buffer	10165707	Pass
T2018-1	Monarch® Collection Tubes II	10176509	Pass
B1500-2	Nuclease-free Water	10165705	Pass

Assay Name/Specification	Lot # 10163954
<p>* Individual Product Component Note 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>Functional Testing (Enzyme Inactivation and Removal) 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 >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 (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 for additional information.



Ana Egana
Production Scientist
01 May 2023



Nikki Samuelson
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01 May 2023