

## New England Biolabs Certificate of Analysis

**Product Name:** Monarch® RNA Cleanup Kit (500 µg)  
**Catalog Number:** T2050S  
**Packaging Lot Number:** 10237522  
**Expiration Date:** 01/2026  
**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)	10207588	Pass
T2042-21	Monarch® Buffer WX	10237488	Pass
T2041-21	Monarch® Buffer BX	10237484	Pass
T2018-21	Monarch® Collection Tubes II	10041732	Pass
B1500-21	Nuclease-free Water	10237482	Pass

Assay Name/Specification	Lot # 10237522
<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>	<b>Pass</b>
<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>	<b>Pass</b>
<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>	<b>Pass</b>

This product has been tested and shown to be in compliance with all specifications.

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11 Jun 2024



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