

## New England Biolabs Certificate of Analysis

**Product Name:** *Monarch® Spin RNA Cleanup Kit (50 µg)*  
**Catalog Number:** *T2040S*  
**Packaging Lot Number:** *10255237*  
**Expiration Date:** *08/2026*  
**Storage Temperature:** *25°C*  
**Specification Version:** *PS-T2040S/L v4.0*

Monarch® Spin RNA Cleanup Kit (50 µg) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T2118-21	Monarch® Spin Collection Tubes	10255228	Pass
T2047-21	Monarch® Spin Columns S2A	10254549	Pass
T2042-21	Monarch® Buffer WX	10255224	Pass
T2041-21	Monarch® Buffer BX	10255196	Pass
B1500-21	Nuclease-free Water	10255194	Pass

Assay Name/Specification	Lot # 10255237
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in Monarch® Spin RNA Cleanup Kit (50 µg) and meet the designated specifications.</p>	<b>Pass</b>
<p><b>Functional Testing (Enzyme Inactivation and Removal)</b> Eight Monarch® Spin Columns S2A 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>	<b>Pass</b>
<p><b>Functional Testing (RNA Recovery and Purity)</b> Twenty-four Monarch® Spin Columns S2A 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>	<b>Pass</b>

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

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24 Sep 2024



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