

New England Biolabs Certificate of Analysis

Product Name: *Monarch® Spin RNA Cleanup Kit (500 µg)*
 Catalog Number: *T2050S*
 Packaging Lot Number: *10255242*
 Expiration Date: *08/2026*
 Storage Temperature: *25°C*
 Specification Version: *PS-T2050S/L v4.0*

Monarch® Spin RNA Cleanup Kit (500 µg) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T2118-21	Monarch® Spin Collection Tubes	10255228	Pass
T2057-21	Monarch® Spin Columns S2B	10254545	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 # 10255242
<p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in Monarch® Spin RNA Cleanup Kit (500 µg) and meet the designated specifications.</p>	Pass
<p>Functional Testing (Enzyme Inactivation and Removal) Eight Monarch® Spin Columns S2B 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® Spin Columns S2B 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.



Darcie Spaulding
Production Scientist
24 Sep 2024



Julie Gaumont
Packaging Quality Control Inspector
25 Sep 2024