

## New England Biolabs Certificate of Analysis

**Product Name:** *Monarch® Spin RNA Isolation Kit (Mini)*  
**Catalog Number:** *T2110S*  
**Packaging Lot Number:** *10263654*  
**Expiration Date:** *11/2026*  
**Storage Temperature:** *25°C*  
**Specification Version:** *PS-T2110S/L/G v1.0*

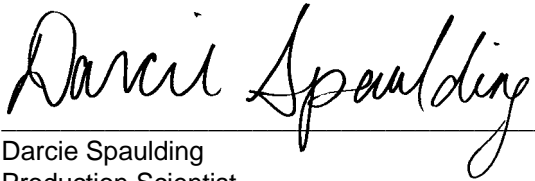
Monarch® Spin RNA Isolation Kit (Mini) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T3017-1	Monarch® Spin Columns S2C	10262812	Pass
T2118-1	Monarch® Spin Collection Tubes	10245009	Pass
T2111-2	Monarch StabiLyse™ DNA/RNA Buffer	10263651	Pass
T2105-1	Monarch® DNase I Reaction Buffer	10263649	Pass
T2104-1	Monarch® DNase I, Lyophilized	10264358	Pass
T2047-1	Monarch® Spin Columns S2A	10262786	Pass
T2041-22	Monarch® Buffer BX	10263644	Pass
T1115-3	Monarch® Buffer WZ	10263643	Pass
P8200SVIAL	Proteinase K, Molecular Biology Grade	10262750	Pass
B1500-2	Nuclease-free Water	10263639	Pass

Assay Name/Specification	Lot # 10263654
<b>Functional Testing (DNA Recovery and Purity)</b> Twenty-four Monarch® Spin Columns S2C are tested with 10 µg of HindIII digested Lambda DNA resulting in ≥75% recovery in ≥80% of the samples. OD 260/280 and 260/230 are ≥1.75 in ≥80% of the samples.	<b>Pass</b>
<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.	<b>Pass</b>
<b>Functional Testing (RNA Yield and Integrity Analysis)</b> Total RNA is purified from 10 individual aliquots of cultured human cells (106 cells/aliquot). Yield of RNA is >5 µg in ≥75% of the samples. OD 260/280 and 260/230 are ≥1.75 in ≥80% of the samples as well as RIN values ≥9 in ≥80% of the samples.	<b>Pass</b>

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



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Darcie Spaulding  
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25 Nov 2024



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Julie Gaumont  
Packaging Quality Control Inspector  
18 Dec 2024