

New England Biolabs Certificate of Analysis

Product Name: *Monarch® Spin RNA Isolation Kit (Mini)*
Catalog Number: *T2110G*
Packaging Lot Number: *10263653*
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
T3017-21	Monarch® Spin Columns S2C	10262811	Pass
T2118-22	Monarch® Spin Collection Tubes	10262815	Pass
T2111-21	Monarch StabiLyse™ DNA/RNA Buffer	10263652	Pass
T2105-21	Monarch® DNase I Reaction Buffer	10263650	Pass
T2104-21	Monarch® DNase I, Lyophilized	10264360	Pass
T2047-21	Monarch® Spin Columns S2A	10262797	Pass
T2041-11	Monarch® Buffer BX	10263645	Pass
T1115-1	Monarch® Buffer WZ	10263642	Pass
P8200GVIAL	Proteinase K, Molecular Biology Grade	10262745	Pass
B1500-21	Nuclease-free Water	10263640	Pass

Assay Name/Specification	Lot # 10263653
Functional Testing (DNA Recovery and Purity) 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.	Pass
Functional Testing (RNA Recovery and Purity) 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.	Pass
Functional Testing (RNA Yield and Integrity Analysis) 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.	Pass

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



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Darcie Spaulding
Production Scientist
25 Nov 2024



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18 Dec 2024