

New England Biolabs Certificate of Analysis

Product Name: *Monarch® Spin RNA Isolation Kit (Mini)*
Catalog Number: *T2110G*
Packaging Lot Number: *10279080*
Expiration Date: *04/2027*
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 | 10281339 | Pass |
| T2118-22 | Monarch® Spin Collection Tubes | 10281344 | Pass |
| T2111-21 | Monarch StabiLyse™ DNA/RNA Buffer | 10279016 | Pass |
| T2105-21 | Monarch® DNase I Reaction Buffer | 10279014 | Pass |
| T2104-21 | Monarch® DNase I, Lyophilized | 10279010 | Pass |
| T2047-21 | Monarch® Spin Columns S2A | 10281328 | Pass |
| T2041-11 | Monarch® Buffer BX | 10279005 | Pass |
| T1115-1 | Monarch® Buffer WZ | 10279003 | Pass |
| P8200GVIAL | Proteinase K, Molecular Biology Grade | 10278853 | Pass |
| B1500-21 | Nuclease-free Water | 10279001 | Pass |

| Assay Name/Specification | Lot # 10279080 |
|---|----------------|
| 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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Judith Pacheco
Production Scientist
11 Apr 2025



Julie Gaumont
Packaging Quality Control Inspector
14 Apr 2025