

New England Biolabs Product Specification

Product Name: Monarch® Spin RNA Cleanup Kit (10 µg)
Catalog #: T2030S/L
Kit Components: Monarch® Spin Columns S1A (T2037)
Monarch® Spin Collection Tubes (T2118)
Monarch® Buffer BX (T2041)
Monarch® Buffer WX (T2042)
Nuclease-free Water (B1500)
Shelf Life: 24 months
Storage Temp: 25°C
Specification Version: PS-T2030S/L v4.0
Effective Date: 19 Sep 2024

Assay Name/Specification (minimum release criteria)
<p>Functional Testing (Enzyme Inactivation and Removal) - Eight Monarch® Spin Columns S1A are tested with 1 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> <p>Functional Testing (RNA Recovery and Purity) - Twenty-four Monarch® Spin Columns S1A are tested with 1 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> <p>* Individual Product Component Note - Standard Quality Control Tests are performed for each component included in Monarch® Spin RNA Cleanup Kit (10 µg) and meet the designated specifications.</p>

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Date 19 Sep 2024

Lauren Brown
Quality Approver

