

New England Biolabs Product Specification

Product Name: Monarch® Spin RNA Cleanup Kit (50 µg)

Catalog #: T2040S/L

Kit Components: Monarch® Spin Columns S2A (T2047)
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-T2040S/L v4.0

Effective Date: 19 Sep 2024

| Assay Name/Specification (minimum release criteria) |
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| <p>Functional Testing (Enzyme Inactivation and Removal) - Eight Monarch® Spin Columns S2A are tested with 5 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 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.</p> <p>* Individual Product Component Note - Standard Quality Control Tests are performed for each component included in Monarch® Spin RNA Cleanup Kit (50 µg) and meet the designated specifications.</p> |

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Date 19 Sep 2024

Lauren Brown
Quality Approver

