

New England Biolabs Product Specification

Product Name: Monarch[®] RNA Cleanup Kit (500 µg)
Catalog #: T2050S/L
Kit Components: Monarch[®] RNA Cleanup Columns (500 µg) (T2057)
Monarch[®] Collection Tubes II (T2018)
Monarch[®] RNA Cleanup Binding Buffer (T2041)
Monarch[®] RNA Cleanup Wash Buffer (T2042)
Nuclease-free Water (B1500)

Shelf Life: 24 months
Storage Temp: 25°C
Specification Version: PS-T2050S/L v3.0
Effective Date: 31 Aug 2022

Assay Name/Specification (minimum release criteria)

Functional Testing (Enzyme Inactivation and Removal) - Eight Monarch[®] RNA Cleanup Columns (T2057, 500 µg) are tested with 50 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.

Functional Testing (RNA Recovery and Purity) - Twenty-four Monarch[®] RNA Cleanup Columns (T2057, 500 µg) are tested with 50 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.

* **Individual Product Component Note** - Standard Quality Control Tests are performed for each component included in Monarch[®] RNA Cleanup Kit (500 µg) and meet the designated specifications.

One or more products referenced in this document may be covered by a 3rd-party trademark.
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Date 31 Aug 2022

Derek Robinson
Quality Approver

