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: 18 months
Storage Temp: 25°C
Specification Version: PS-T2050S/L v2.0
Effective Date: 19 Jan 2021

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. Please visit www.neb.com/trademarks for additional information.

Derek Robinson
Director, Quality Control

Date 19 Jan 2021