New England Biolabs
Product Specification

Product Name: Monarch® RNA Cleanup Kit (10 µg)
Catalog #: T2030S/L
Kit Components:
- Monarch® RNA Cleanup Columns (10 µg) (T2037)
- 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-T2030S/L v3.0
Effective Date: 28 Jun 2021

<table>
<thead>
<tr>
<th>Assay Name/Specification (minimum release criteria)</th>
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<tbody>
<tr>
<td><strong>Functional Testing (Enzyme Inactivation and Removal)</strong> - Eight Monarch® RNA Cleanup Columns (T2037, 10 µg) 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 &gt;99.95% removal of DNase I activity in ≥75% of the samples.</td>
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<td><strong>Functional Testing (RNA Recovery and Purity)</strong> - Twenty-four Monarch® RNA Cleanup Columns (T2037, 10 µg) 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.</td>
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<td>* Individual Product Component Note - Standard Quality Control Tests are performed for each component included in Monarch® RNA Cleanup Kit (10 µg) and meet the designated specifications.</td>
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Derek Robinson
Director, Quality Control

Date 28 Jun 2021