

## New England Biolabs Certificate of Analysis

**Product Name:** *Monarch® Spin RNA Cleanup Kit (10 µg)*  
**Catalog Number:** *T2030S*  
**Packaging Lot Number:** *10237538*  
**Expiration Date:** *01/2026*  
**Storage Temperature:** *25°C*  
**Specification Version:** *PS-T2030S/L v3.0*

| Monarch® Spin RNA Cleanup Kit (10 µg) Component List |                              |            |                      |
|--|------------------------------|------------|----------------------|
| NEB Part Number                                      | Component Description        | Lot Number | Individual QC Result |
| T2042-21   | Monarch® Buffer WX           | 10237488   | Pass                 |
| T2041-21   | Monarch® Buffer BX           | 10237484   | Pass                 |
| T2037-21   | Monarch® Spin Columns S1A    | 10207584   | Pass                 |
| T2018-21   | Monarch® Collection Tubes II | 10041732   | Pass                 |
| B1500-21   | Nuclease-free Water          | 10237482   | Pass                 |

| Assay Name/Specification   | Lot # 10237538 |
|--|----------------|
| <p><b>* Individual Product Component Note</b><br/>Standard Quality Control Tests are performed for each component included in Monarch® RNA Cleanup Kit (10 µg) and meet the designated specifications.</p>   | <b>Pass</b>    |
| <p><b>Functional Testing (Enzyme Inactivation and Removal)</b><br/>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.</p> | <b>Pass</b>    |
| <p><b>Functional Testing (RNA Recovery and Purity)</b><br/>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.</p>   | <b>Pass</b>    |

This product has been tested and shown to be in compliance with all specifications.

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11 Jun 2024



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