

New England Biolabs Certificate of Analysis

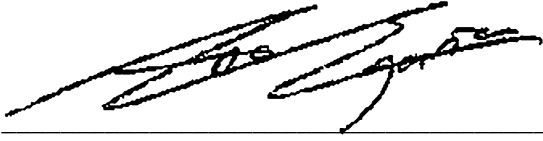
Product Name: *Monarch RNA Cleanup Kit (500 µg)*
 Catalog Number: *T2050L*
 Packaging Lot Number: *10125728*
 Expiration Date: *10/2022*
 Storage Temperature: *25°C*
 Specification Version: *PS-T2050S/L v2.0*

| Monarch RNA Cleanup Kit (500 µg) Component List | | | |
|---|--------------------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| T2057-1 | RNA Cleanup 50 Columns (500 µg), IIC | 10086480 | Pass |
| T2042-2 | Monarch RNA Cleanup Wash Buffer | 10109342 | Pass |
| T2041-2 | Monarch RNA Cleanup Binding Buffer | 10109341 | Pass |
| T2018-1 | Monarch® Collection Tubes II (50) | 10068650 | Pass |
| B1500-2 | Nuclease-free Water | 10125732 | Pass |

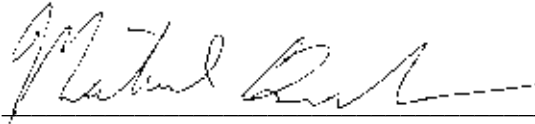
| Assay Name/Specification | Lot # 10125728 |
|---|----------------|
| <p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in Monarch® RNA Cleanup Kit (500 µg) and meet the designated specifications.</p> | Pass |
| <p>Functional Testing (Enzyme 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.</p> | Pass |
| <p>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.</p> | Pass |

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



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21 Oct 2021



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21 Oct 2021