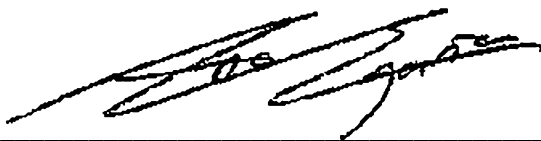


New England Biolabs Certificate of Analysis

Product Name: *Monarch RNA Cleanup Kit (50 µg)*
Catalog Number: *T2040L*
Packaging Lot Number: *10059914*
Expiration Date: *08/2021*
Storage Temperature: *25°C*
Specification Version: *PS-T2040S/L v1.0*

Assay Name/Specification	Lot # 10059914
<p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in Monarch® RNA Cleanup Kit (50 µg) and meet the designated specifications.</p>	Pass
<p>Functional Testing (RNA Recovery and Purity) Twenty-four Monarch® RNA Cleanup Columns (T2047, 50 µg) are tested with 5 µg of rRNA 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
<p>Functional Testing (Enzyme Inactivation and Removal) Eight Monarch® RNA Cleanup Columns (T2047, 50 µg) are tested with 5 µg of rRNA 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

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



Ana Egana
 Production Scientist
 31 Mar 2020

Darcie Spaulding
 Packaging Quality Control Inspector
 31 Mar 2020