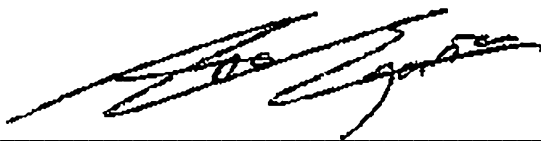


New England Biolabs Certificate of Analysis

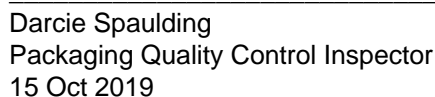
Product Name: *Monarch RNA Cleanup Kit (500 µg)*
 Catalog Number: *T2050L*
 Lot Number: *10041694*
 Expiration Date: *01/2021*
 Storage Temperature: *25°C*
 Specification Version: *PS-T2050S/L v1.0*

Assay Name/Specification	Lot # 10041694
<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 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
<p>Functional Testing (RNA Recovery and Purity) Twenty-four Monarch® RNA Cleanup Columns (T2057, 500 µg) are tested with 50 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

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



Ana Egana
Production Scientist
15 Oct 2019



Darcie Spaulding
Packaging Quality Control Inspector
15 Oct 2019