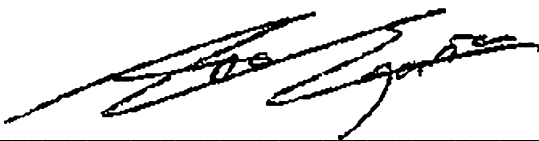


## New England Biolabs Certificate of Analysis

Product Name: Monarch RNA Cleanup Kit (500 µg)  
 Catalog Number: T2050S  
 Packaging Lot Number: 10023555  
 Expiration Date: 07/2020  
 Storage Temperature: 25°C  
 Specification Version: PS-T2050S/L v1.0

Assay Name/Specification	Lot # 10023555
<p><b>Functional Testing (Enzyme Inactivation and Removal)</b>            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 &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>            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>	<b>Pass</b>
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in Monarch® RNA Cleanup Kit (500 µg) and meet the designated specifications.</p>	<b>Pass</b>

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



Ana Egana  
Production Scientist  
19 Jun 2019



Heidi Church  
Packaging Quality Control Inspector  
19 Jun 2019