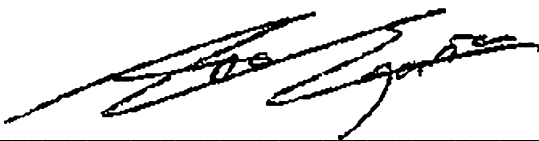


## New England Biolabs Certificate of Analysis

**Product Name:** Monarch™ RNA Cleanup Kit (50ug) Large  
**Catalog Number:** T2040L  
**Lot Number:** 0011806  
**Expiration Date:** 00/0000  
**Storage Temperature:** 25°C  
**Specification Version:** PS-T2040S/L v1.0

Assay Name/Specification	Lot # 0011806
<p><b>* Individual Product Component Note</b> Standard Quality Control Tests are performed for each component included in Monarch® RNA Cleanup Kit (50 µg) and meet the designated specifications.</p>	<b>Pass</b>
<p><b>Functional Testing (RNA Recovery and Purity)</b> 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>	<b>Pass</b>
<p><b>Functional Testing (Enzyme Inactivation and Removal)</b> 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 &gt;99.95% removal of DNase I activity in ≥75% of the samples.</p>	<b>Pass</b>

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



Ana Egana  
 Production Scientist  
 20 Jul 2018



Heidi Church  
 Packaging Quality Control Inspector  
 20 Jul 2018