

## New England Biolabs Certificate of Analysis

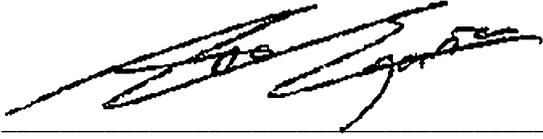
Product Name: *Monarch RNA Cleanup Kit (10 µg)*  
 Catalog Number: *T2030L*  
 Packaging Lot Number: *10099678*  
 Expiration Date: *10/2022*  
 Storage Temperature: *25°C*  
 Specification Version: *PS-T2030S/L v2.0*

Monarch RNA Cleanup Kit (10 µg) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T2042-2	Monarch RNA Cleanup Wash Buffer	10099723	Pass
T2041-2	Monarch RNA Cleanup Binding Buffer	10099715	Pass
T2037-1	RNA Cleanup 50 Columns (10 µg), ICr	10086476	Pass
T2018-1	Monarch® Collection Tubes II (50)	0011806	Pass
B1500-2	Nuclease-free Water	10099699	Pass

Assay Name/Specification	Lot # 10099678
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in Monarch® RNA Cleanup Kit (10 µg) and meet the designated specifications.</p>	Pass
<p><b>Functional Testing (RNA Recovery and Purity)</b>            Twenty-four Monarch® RNA Cleanup Columns (T2037, 10 µg) are tested with 1 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
<p><b>Functional Testing (Enzyme Inactivation and Removal)</b>            Eight Monarch® RNA Cleanup Columns (T2037, 10 µg) are tested with 1 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 &gt;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.

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