

## New England Biolabs Certificate of Analysis

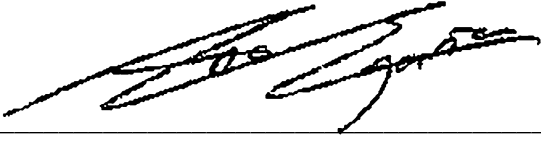
Product Name: *Monarch<sup>®</sup> PCR & DNA Cleanup Kit (5 µg)*  
 Catalog Number: *T1030L*  
 Packaging Lot Number: *10166579*  
 Expiration Date: *11/2024*  
 Storage Temperature: *25°C*  
 Specification Version: *PS-T1030S/L v2.0*

Monarch <sup>®</sup> PCR & DNA Cleanup Kit (5 µg) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T1034-2	Monarch <sup>®</sup> DNA Cleanup Columns (5 µg)	10166549	Pass
T1032-3	Monarch <sup>®</sup> DNA Wash Buffer	10166548	Pass
T1031-3	Monarch <sup>®</sup> DNA Cleanup Binding Buffer	10166545	Pass
T1018-2	Monarch <sup>®</sup> Collection Tubes (2 ml)	10166538	Pass
T1016-2	Monarch <sup>®</sup> DNA Elution Buffer	10166531	Pass

Assay Name/Specification	Lot # 10166579
<b>Functional Testing (Fragment Purification and Restriction Digestion)</b> A linear pLA3 fragment is added to 8 Monarch <sup>®</sup> DNA Cleanup Columns, eluted and digested with DralIII-HF <sup>®</sup> resulting in ≥90% conversion to two-fragment pattern observed by gel electrophoresis in ≥75% of the samples.	Pass
<b>Functional Testing (DNA Recovery and Purity)</b> Twenty-four Monarch <sup>®</sup> DNA Cleanup Columns are tested with 1 µg of 1 Kb Ladder resulting in ≥75% recovery in ≥80% of the samples. OD 260/280 and 260/230 are ≥1.75 in ≥80% of the samples.	Pass

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

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28 Dec 2022



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