

## New England Biolabs Certificate of Analysis

**Product Name:** Monarch<sup>®</sup> PCR & DNA Cleanup Kit (5 µg)  
**Catalog Number:** T1030G  
**Packaging Lot Number:** 10166578  
**Expiration Date:** 11/2024  
**Storage Temperature:** 25°C  
**Specification Version:** PS-T1030G v2.0

Monarch <sup>®</sup> PCR & DNA Cleanup Kit (5 µg) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T1034-21	Monarch <sup>®</sup> DNA Cleanup Columns (5 µg)	10166550	Pass
T1032-21	Monarch <sup>®</sup> DNA Wash Buffer	10166547	Pass
T1031-21	Monarch <sup>®</sup> DNA Cleanup Binding Buffer	10166544	Pass
T1018-21	Monarch <sup>®</sup> Collection Tubes (2 ml)	10166539	Pass
T1016-21	Monarch <sup>®</sup> DNA Elution Buffer	10166533	Pass

Assay Name/Specification	Lot # 10166578
<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 DraIII-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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04 Jan 2023



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