

## New England Biolabs Certificate of Analysis

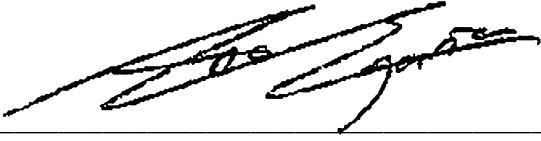
Product Name: *Monarch® PCR & DNA Cleanup Kit (5 µg)*  
 Catalog Number: *T1030G*  
 Packaging Lot Number: *10132575*  
 Expiration Date: *05/2024*  
 Storage Temperature: *25°C*  
 Specification Version: *PS-T1030G v2.0*

Monarch® PCR & DNA Cleanup Kit (5 µg) Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T1034-21	Monarch® DNA Cleanup Columns (5 µg)	10145771	Pass
T1032-21	Monarch® DNA Wash Buffer	10145767	Pass
T1031-21	Monarch® DNA Cleanup Binding Buffer	10145762	Pass
T1018-21	Monarch® Collection Tubes (2 ml)	10145754	Pass
T1016-21	Monarch® DNA Elution Buffer	10145747	Pass


Assay Name/Specification	Lot # 10132575
<b>Functional Testing (DNA Recovery and Purity)</b> Twenty-four Monarch® 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
<b>Functional Testing (Fragment Purification and Restriction Digestion)</b> A linear pLA3 fragment is added to 8 Monarch® DNA Cleanup Columns, eluted and digested with DraIII-HF® resulting in ≥90% conversion to two-fragment pattern observed by gel electrophoresis in ≥75% of the samples.	Pass

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

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29 Jun 2022



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