

## New England Biolabs Certificate of Analysis

Product Name: *Monarch® DNA Gel Extraction Kit*  
 Catalog Number: *T1020G*  
 Packaging Lot Number: *10166574*  
 Expiration Date: *11/2024*  
 Storage Temperature: *25°C*  
 Specification Version: *PS-T1020G v2.0*

Monarch® DNA Gel Extraction Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T1034-21	Monarch® DNA Cleanup Columns (5 µg)	10166550	Pass
T1032-21	Monarch® DNA Wash Buffer	10166547	Pass
T1021-21	Monarch® Gel Dissolving Buffer	10166541	Pass
T1018-21	Monarch® Collection Tubes (2 ml)	10166539	Pass
T1016-21	Monarch® DNA Elution Buffer	10166533	Pass

Assay Name/Specification	Lot # 10166574
<b>Functional Testing (Gel Purification and Ligation)</b> A linear pLA3 fragment is gel purified and added to 8 Monarch® DNA Cleanup Columns, eluted and ligated with Blunt/TA Ligase Master Mix resulting in ≥90% conversion to a multiband pattern observed by gel electrophoresis in ≥75% of the samples.	Pass
<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

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

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22 Dec 2022



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