

New England Biolabs Certificate of Analysis

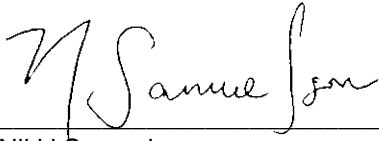
Product Name: *Monarch® DNA Gel Extraction Kit*
 Catalog Number: *T1020L*
 Packaging Lot Number: *10208650*
 Expiration Date: *10/2025*
 Storage Temperature: *25°C*
 Specification Version: *PS-T1020S/L v2.0*

Monarch® DNA Gel Extraction Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T1034-2	Monarch® DNA Cleanup Columns (5 µg)	10208180	Pass
T1032-3	Monarch® DNA Wash Buffer	10208179	Pass
T1021-3	Monarch® Gel Dissolving Buffer	10208170	Pass
T1018-2	Monarch® Collection Tubes (2 ml)	10208163	Pass
T1016-2	Monarch® DNA Elution Buffer	10208157	Pass

Assay Name/Specification	Lot # 10208650
Functional Testing (DNA Recovery and Purity) 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
Functional Testing (Gel Purification and Ligation) 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

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.



Nikki Samuelson
Production Scientist
14 Dec 2023



Julie Gaumont
Packaging Quality Control Inspector
08 Feb 2024