

New England Biolabs Certificate of Analysis

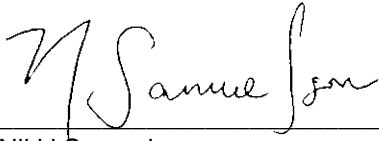
Product Name: *Monarch® DNA Gel Extraction Kit*
 Catalog Number: *T1020S*
 Packaging Lot Number: *10208651*
 Expiration Date: *10/2025*
 Storage Temperature: *25°C*
 Specification Version: *PS-T1020S/L v2.0*

| 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 |
| T1032-2 | Monarch® DNA Wash Buffer | 10208175 | Pass |
| T1021-2 | Monarch® Gel Dissolving Buffer | 10208166 | Pass |
| T1018-2 | Monarch® Collection Tubes (2 ml) | 10208163 | Pass |
| T1016-21 | Monarch® DNA Elution Buffer | 10208158 | Pass |

| Assay Name/Specification | Lot # 10208651 |
|---|----------------|
| 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.



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14 Dec 2023



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23 Jan 2024