

## New England Biolabs Certificate of Analysis

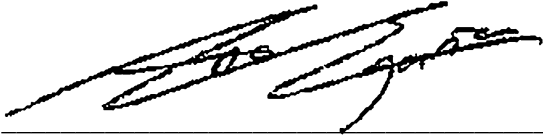
Product Name: *Monarch® DNA Gel Extraction Kit*  
 Catalog Number: *T1020G*  
 Packaging Lot Number: *10126759*  
 Expiration Date: *09/2023*  
 Storage Temperature: *25°C*  
 Specification Version: *PS-T1020G v2.0*

| 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) | 10126966   | Pass                 |
| T1032-21                                       | Monarch® DNA Wash Buffer            | 10128448   | Pass                 |
| T1021-21                                       | Monarch® Gel Dissolving Buffer      | 10128428   | Pass                 |
| T1018-21                                       | Monarch® Collection Tubes (2 ml)    | 10126951   | Pass                 |
| T1016-21                                       | Monarch® DNA Elution Buffer         | 10128401   | Pass                 |

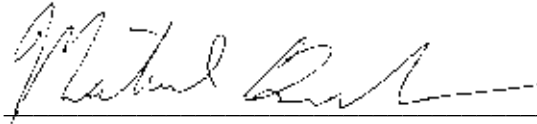
| Assay Name/Specification  | Lot # 10126759 |
|---|----------------|
| <b>Functional Testing (Gel Purification and Ligation)</b><br>A linear pLA3 fragment is gel purified and added to 8 Monarch® DNA Cleanup Columns, eluted and ligated with Blunt/TA Ligase Master Mix resulting in ≥90% conversion to a multiband pattern observed by gel electrophoresis in ≥75% of the samples. | Pass           |
| <b>Functional Testing (DNA Recovery and Purity)</b><br>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 2021



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