

New England Biolabs Certificate of Analysis

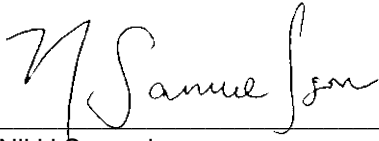
Product Name: Monarch® gDNA Elution Buffer II
Catalog Number: T3056L
Packaging Lot Number: 10231542
Expiration Date: 03/2026
Storage Temperature: 25°C
Specification Version: PS-T3056L v1.0

| Monarch® gDNA Elution Buffer II Component List | | | |
|--|---------------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| T3056-1 | Monarch® gDNA Elution Buffer II | 10231328 | Pass |

| Assay Name/Specification | Lot # 10231542 |
|---|----------------|
| Functional Testing (Genomic DNA Yield and Integrity Analysis) Genomic DNA is purified from 8 samples of whole pig blood using the High Molecular Weight DNA Extraction from Blood (Frozen Mammalian Blood) protocol. Each set of reagents is functionally tested to ensure successful isolation of gDNA from frozen pig blood samples. Yield of genomic DNA is compared across various metrics including a minimum gDNA yield of 6 µg per extraction and a recovery equivalence of ≥85% as compared to the control lot. OD 260/280 and 260/230 are ≥1.75 in ≥80% of the samples, and DIN values are ≥9 in ≥80% of the samples. In ≥ 80% of samples, ≥ 75% of the DNA is 50 kb in size or greater. | Pass |

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

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18 Mar 2024



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29 May 2024