

New England Biolabs Certificate of Analysis

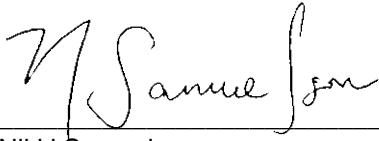
Product Name: *Monarch® RBC Lysis Buffer*
Catalog Number: *T3051L*
Packaging Lot Number: *10231535*
Expiration Date: *03/2026*
Storage Temperature: *25°C*
Specification Version: *PS-T3051L v1.0*

| Monarch® RBC Lysis Buffer Component List | | | |
|--|---------------------------|------------|----------------------|
| NEB Part Number | Component Description | Lot Number | Individual QC Result |
| T3051-1 | Monarch® RBC Lysis Buffer | 10231321 | Pass |

| Assay Name/Specification | Lot # 10231535 |
|---|----------------|
| 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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Nikki Samuelson
Production Scientist
15 Mar 2024



Julie Gaumont
Packaging Quality Control Inspector
29 May 2024