

## New England Biolabs Certificate of Analysis

**Product Name:** *Monarch® RBC Lysis Buffer*  
**Catalog Number:** *T3051L*  
**Packaging Lot Number:** *10251132*  
**Expiration Date:** *07/2026*  
**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	10249633	<b>Pass</b>

Assay Name/Specification	Lot # 10251132
<b>Functional Testing (Genomic DNA Yield and Integrity Analysis)</b> 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.	<b>Pass</b>

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

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