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New England Biolabs Certificate of Analysis

Product Name: Monarch® RBC Lysis Buffer

Catalog Number: T3051L
Packaging Lot Number: 10152943
Expiration Date: 06/2024
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	10152799	Pass

Assay Name/Specification	Lot # 10152943
Functional Testing (Genomic DNA Yield and Integrity Analysis)	Pass
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.	

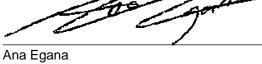
This product has been tested and shown to be in compliance with all specifications.

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Ana Egana Production Scientist 16 Sep 2022 Michael Burzyk

Packaging Quality Control Inspector

16 Sep 2022