

New England Biolabs Certificate of Analysis

Product Name: Monarch[®] HMW DNA Extraction Kit for Cells & Blood
Catalog Number: T3050L
Packaging Lot Number: 10152941
Expiration Date: 06/2024
Storage Temperature: 25°C
Specification Version: PS-T3050S/L v2.0

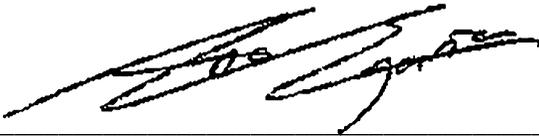
Monarch [®] HMW DNA Extraction Kit for Cells & Blood Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T3056-1	Monarch [®] gDNA Elution Buffer II	10152815	Pass
T3055-1	Monarch [®] Precipitation Enhancer	10152813	Pass
T3053-1	Monarch [®] gDNA Nuclei Lysis Buffer	10152809	Pass
T3052-1	Monarch [®] gDNA Nuclei Prep Buffer	10152806	Pass
T3051-1	Monarch [®] RBC Lysis Buffer	10152799	Pass
T3018-1	Monarch [®] RNase A	10137958	Pass
T3015-1	Monarch [®] gDNA Wash Buffer	10153311	Pass
T3005-1	Monarch [®] DNA Capture Beads (100)	10152785	Pass
T3004-1	Monarch [®] Bead Retainers (50)	10142460	Pass
T3003-1	Monarch [®] 2 ml Tubes (50)	10152771	Pass
T2018-1	Monarch [®] Collection Tubes II	10075602	Pass
P8107AAVIAL	Proteinase K, Molecular Biology Grade	10118349	Pass

Assay Name/Specification	Lot # 10152941
Functional Testing (Genomic DNA Yield and Integrity Analysis) (Blood) 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
* Individual Product Component Note Standard Quality Control Tests are performed for each component included in Monarch [®]	Pass

Assay Name/Specification	Lot # 10152941
HMW DNA Extraction Kit for Cells & Blood and meet the designated specifications.	

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit www.neb.com/trademarks for additional information.



Ana Egana
Production Scientist
21 Sep 2022



Michael Burzyk
Packaging Quality Control Inspector
21 Sep 2022