

New England Biolabs Certificate of Analysis

Product Name: Monarch® HMW DNA Extraction Kit for Cells <(>&<)> Blood
 Catalog Number: T3050L
 Packaging Lot Number: 10103686
 Expiration Date: 05/2023
 Storage Temperature: 25°C
 Specification Version: PS-T3050S/L v1.0

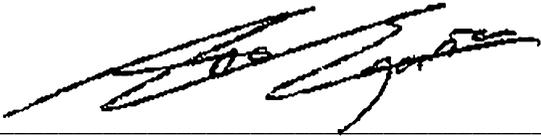
Monarch® HMW DNA Extraction Kit for Cells <(>&<)> Blood Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T3056-1	Monarch® gDNA Elution Buffer II	10104424	Pass
T3055-1	Monarch® Precipitation Enhancer	10104422	Pass
T3053-1	Monarch® gDNA Nuclei Lysis Buffer	10104420	Pass
T3052-1	Monarch® gDNA Nuclei Prep Buffer	10104418	Pass
T3051-1	Monarch® RBC Lysis Buffer	10104392	Pass
T3018-1	Monarch® RNase A	10095019	Pass
T3015-1	Monarch® gDNA Wash Buffer	10108595	Pass
T3005-1	Monarch® DNA Capture Beads (100)	10103143	Pass
T3004-1	Monarch® Bead Retainers (50)	10111069	Pass
T3003-1	Monarch® 2 ml Tubes (50)	10075502	Pass
T2018-1	Monarch® Collection Tubes II (50)	10086488	Pass
P8107AAVIAL	Proteinase K, Molecular Biology Grade	10105118	Pass

Assay Name/Specification	Lot # 10103686
<p>* Individual Product Component Note Standard Quality Control Tests are performed for each component included in Monarch® HMW DNA Extraction Kit for Cells & Blood and meet the designated specifications.</p>	Pass
<p>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.</p>	Pass

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



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21 Jul 2021



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21 Jul 2021