

## New England Biolabs Certificate of Analysis

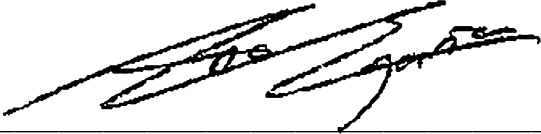
Product Name: *Monarch® HMW DNA Extraction Kit for Tissue*  
 Catalog Number: *T3060G*  
 Packaging Lot Number: *10119970*  
 Expiration Date: *01/2024*  
 Storage Temperature: *25°C*  
 Specification Version: *PS-T3060G v2.0*

Monarch® HMW DNA Extraction Kit for Tissue Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T3062-21	Monarch® Protein Separation Solution	10135463	Pass
T3061-21	Monarch® HMW gDNA Tissue Lysis Buffer	10135461	Pass
T3056-21	Monarch® gDNA Elution Buffer II	10135449	Pass
T3018-21	Monarch® RNase A	10111845	Pass
T3015-21	Monarch® gDNA Wash Buffer	10135437	Pass
T3005-21	Monarch® DNA Capture Beads (10)	10119963	Pass
T3004-21	Monarch® Bead Retainers (5)	10108851	Pass
T3003-21	Monarch® 2 ml Tubes (10)	10119955	Pass
T3002-21	Monarch® Pestles (5)	10119948	Pass
T3001-21	Monarch® Pestle Tubes (5)	10119944	Pass
T2018-23	Monarch® Collection Tubes II	10108844	Pass
P8107GVIAL	Proteinase K, Molecular Biology Grade	10118355	Pass

Assay Name/Specification	Lot # 10119970
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in Monarch® HMW DNA Extraction Kit for Tissue and meet the designated specifications.</p>	Pass
<p><b>Functional Testing (Genomic DNA Yield and Integrity Analysis) (Tissue)</b>            Genomic DNA is purified from 8 samples of NEB 10-beta Competent E. coli using the High Molecular Weight DNA Extraction from Bacteria protocol. Each set of reagents is functionally tested to ensure successful isolation of gDNA from 1 x 10<sup>9</sup> cells.            Yield of genomic DNA is ≥6 µg in ≥80% of the samples. 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.</p>	Pass

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

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04 Mar 2022



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