

## New England Biolabs Certificate of Analysis

Product Name: *Monarch® HMW DNA Extraction Kit for Tissue*  
 Catalog Number: *T3060L*  
 Packaging Lot Number: *10123959*  
 Expiration Date: *01/2024*  
 Storage Temperature: *25°C*  
 Specification Version: *PS-T3060S/L v2.0*

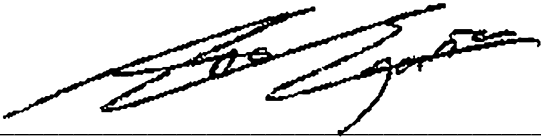
Monarch® HMW DNA Extraction Kit for Tissue Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T3062-1	Monarch® Protein Separation Solution	10135462	Pass
T3061-1	Monarch® HMW gDNA Tissue Lysis Buffer	10135460	Pass
T3056-1	Monarch® gDNA Elution Buffer II	10135448	Pass
T3018-2	Monarch® RNase A	10111844	Pass
T3015-1	Monarch® gDNA Wash Buffer	10135431	Pass
T3005-1	Monarch® DNA Capture Beads (100)	10120710	Pass
T3004-1	Monarch® Bead Retainers (50)	10108760	Pass
T3003-1	Monarch® 2 ml Tubes (50)	10119953	Pass
T3002-1	Monarch® Pestles (50)	10119946	Pass
T3001-1	Monarch® Pestle Tubes (50)	10119942	Pass
T2018-1	Monarch® Collection Tubes II	10054029	Pass
P8107SVIAL	Proteinase K, Molecular Biology Grade	10123953	Pass

Assay Name/Specification	Lot # 10123959
<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>	<b>Pass</b>
<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>	<b>Pass</b>

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



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28 Feb 2022



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