

New England Biolabs Certificate of Analysis

Product Name: *Monarch® HMW DNA Extraction Kit for Tissue*
Catalog Number: *T3060L*
Packaging Lot Number: *10265563*
Expiration Date: *11/2026*
Storage Temperature: *25°C*
Specification Version: *PS-T3060S/L v3.0*

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	10265475	Pass
T3061-1	Monarch® HMW gDNA Tissue Lysis Buffer	10265472	Pass
T3056-1	Monarch® gDNA Elution Buffer II	10265465	Pass
T3018-2	Monarch® RNase A	10265371	Pass
T3015-1	Monarch® gDNA Wash Buffer	10265355	Pass
T3005-1	Monarch® DNA Capture Beads (100)	10265326	Pass
T3004-1	Monarch® Bead Retainers	10265323	Pass
T3003-1	Monarch® 2 ml Tubes (50)	10264542	Pass
T3002-1	Monarch® Pestles (50)	10264539	Pass
T3001-1	Monarch® Pestle Tubes (50)	10152756	Pass
T2118-1	Monarch® Spin Collection Tubes	10245009	Pass
P8200SVIAL	Proteinase K, Molecular Biology Grade	10262750	Pass

Assay Name/Specification	Lot # 10265563
<p>* Individual Product Component Note 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>Functional Testing (Genomic DNA Yield and Integrity Analysis) (Tissue) 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 10⁹ 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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Judith Pacheco
Production Scientist
17 Jan 2025



Julie Gaumont
Packaging Quality Control Inspector
26 Feb 2025