

## New England Biolabs Certificate of Analysis

**Product Name:** Monarch® HMW DNA Extraction Kit for Tissue  
**Catalog Number:** T3060G  
**Packaging Lot Number:** 10265562  
**Expiration Date:** 11/2026  
**Storage Temperature:** 25°C  
**Specification Version:** PS-T3060G v3.0

| 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  | 10265476   | Pass                 |
| T3061-21  | Monarch® HMW gDNA Tissue Lysis Buffer | 10265474   | Pass                 |
| T3056-21  | Monarch® gDNA Elution Buffer II       | 10265470   | Pass                 |
| T3018-21  | Monarch® RNase A                      | 10265372   | Pass                 |
| T3015-21  | Monarch® gDNA Wash Buffer             | 10265358   | Pass                 |
| T3005-21  | Monarch® DNA Capture Beads (10)       | 10152786   | Pass                 |
| T3004-21  | Monarch® Bead Retainers               | 10265324   | Pass                 |
| T3003-21  | Monarch® 2 ml Tubes (10)              | 10152773   | Pass                 |
| T3002-21  | Monarch® Pestles (5)                  | 10152770   | Pass                 |
| T3001-21  | Monarch® Pestle Tubes (5)             | 10152768   | Pass                 |
| T2118-23  | Monarch® Spin Collection Tubes        | 10264531   | Pass                 |
| P8200GVIAL  | Proteinase K, Molecular Biology Grade | 10262745   | Pass                 |

| Assay Name/Specification  | Lot # 10265562 |
|---|----------------|
| <p><b>* Individual Product Component Note</b><br/>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><br/>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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Judith Pacheco  
Production Scientist  
17 Jan 2025



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Julie Gaumont  
Packaging Quality Control Inspector  
26 Feb 2025