

New England Biolabs Product Specification

Product Name: *Monarch[®] HMW DNA Extraction Kit for Tissue*

Catalog #: *T3060G*

Kit Components: *Monarch[®] DNA Capture Beads (T3005) — Store at 25°C*
Monarch[®] Bead Retainers (T3004) — Store at 25°C
Monarch[®] 2 ml Tubes (T3003) — Store at 25°C
Monarch[®] Pestles (T3002) — Store at 25°C
Monarch[®] Pestle Tubes (T3001) — Store at 25°C
Monarch[®] Collection Tubes II (T2018) — Store at 25°C
Monarch[®] HMW gDNA Tissue Lysis Buffer (T3061) — Store at 25°C
Monarch[®] Protein Separation Solution (T3062) — Store at 25°C
Monarch[®] gDNA Wash Buffer (T3015) — Store at 25°C
Monarch[®] gDNA Elution Buffer II (T3056) — Store at 25°C
Monarch[®] RNase A (T3018) — Store at -20°C
Proteinase K, Molecular Biology Grade (P8107) — Store at -20°C

Shelf Life: *24 months*

Storage Temp: *Multi-temp*

Specification Version: *PS-T3060G v1.0*

Effective Date: *11 Oct 2020*

Assay Name/Specification (minimum release criteria)

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.

* **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.

One or more products referenced in this document may be covered by a 3rd-party trademark.
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Date 11 Oct 2020

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Director, Quality Control

