

New England Biolabs Product Specification

Product Name: Monarch® HMW DNA Extraction Kit for Tissue

Catalog #: T3060S/L

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-T3060S/L 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 10e9 cells. Yield of genomic DNA is $\geq 6 \mu\text{g}$ in $\geq 80\%$ of the samples. OD 260/280 and 260/230 are ≥ 1.75 in $\geq 80\%$ of the samples, and DIN values are ≥ 9 in $\geq 80\%$ 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

Derek Robinson
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