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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 v2.0*
Effective Date:	*01 Nov 2021*

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 ≥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.
* 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.
Please visit www.neb.com/trademarks for additional information.

Derek Robinson
Director, Quality Control

Date   01 Nov 2021