

New England Biolabs Product Specification

Product Name: Monarch[®] HMW gDNA Tissue Lysis Buffer
Catalog #: T3061L
Shelf Life: 24 months
Storage Temp: 25°C
Composition: Proprietary
Specification Version: PS-T3061L v1.0
Effective Date: 18 Feb 2021

Assay Name/Specification (minimum release criteria)

Functional Testing (Genomic DNA Yield and Integrity Analysis) - 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.

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Date 18 Feb 2021

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Director, Quality Control

