

New England Biolabs Product Specification

Product Name: Monarch[®] Plasmid Miniprep Kit
Catalog #: T1010G
Kit Components: Monarch[®] Plasmid Resuspension Buffer (B1) (T1011)
Monarch[®] Plasmid Lysis Buffer (B2) (T1012)
Monarch[®] Plasmid Neutralization Buffer (B3) (T1013)
Monarch[®] Plasmid Wash Buffer 1 (T1014)
Monarch[®] Plasmid Wash Buffer 2 (T1015)
Monarch[®] DNA Elution Buffer (T1016)
Monarch[®] Plasmid Miniprep Columns (T1017)

Shelf Life: 24 months
Storage Temp: 25°C
Specification Version: PS-T1010G v2.0
Effective Date: 21 Mar 2019

Assay Name/Specification (minimum release criteria)

Functional Testing (DNA Recovery and Purity) - Twenty-four Monarch[®] Plasmid Miniprep Columns are tested with 1.5 µg of 1 Kb Ladder resulting in ≥75% recovery in ≥80% of the samples. OD 260/280 and 260/230 are ≥1.75 in ≥80% of the samples.

Functional Testing (Plasmid Purification and Restriction Digestion) - pUC19 plasmid is purified from 8 NEB10-Beta samples using the Monarch[®] Plasmid Miniprep Kit and digested with XmnI resulting in ≥90% conversion to a linearized fragment and no visible gDNA or RNA observed by gel electrophoresis in ≥75% of the samples.



Date 21 Mar 2019

Derek Robinson
Director of Quality Control

