NEW ENGLAND BioLabs® Inc.

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New England Biolabs
Certificate of Analysis

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)

Lot #: *0071801*
Assay Date: *01/2018*
Expiration Date: *07/2019*
Storage Temp: *25°C*
Specification Version: *PS-T1010G v1.0*
Effective Date: *27 Apr 2018*

Assay Name/Specification (minimum release criteria)	**Lot #0071801**
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.	**Pass**
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.	**Pass**

Authorized by
Derek Robinson
27 Apr 2018

Inspected by
Ana Egana
08 Jan 2018

nqa. ISO 9001 Registered Quality Management
nqa. ISO 14001 Registered Environmental Management
nqa. ISO 13485 Registered Medical Devices