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

<table>
<thead>
<tr>
<th>Assay Name/Specification (minimum release criteria)</th>
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<tbody>
<tr>
<td><strong>Functional Testing (DNA Recovery and Purity)</strong> - 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.</td>
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<td><strong>Functional Testing (Plasmid Purification and Restriction Digestion)</strong> - 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.</td>
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Derek Robinson
Director of Quality Control

Date 21 Mar 2019