

## New England Biolabs Certificate of Analysis

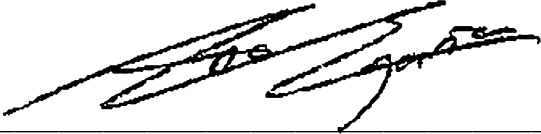
Product Name: *Monarch<sup>®</sup> Plasmid Miniprep Kit*  
 Catalog Number: *T1010L*  
 Packaging Lot Number: *10166552*  
 Expiration Date: *11/2024*  
 Storage Temperature: *25°C*  
 Specification Version: *PS-T1010S/L v2.0*

Monarch <sup>®</sup> Plasmid Miniprep Kit Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T1017-2	Monarch <sup>®</sup> Plasmid Miniprep Columns	10166535	Pass
T1016-3	Monarch <sup>®</sup> DNA Elution Buffer	10166534	Pass
T1015-3	Monarch <sup>®</sup> Plasmid Wash Buffer 2	10166530	Pass
T1014-3	Monarch <sup>®</sup> Plasmid Wash Buffer 1	10166527	Pass
T1013-3	Monarch <sup>®</sup> Plasmid Neutralization Buffer (B3)	10166524	Pass
T1012-3	Monarch <sup>®</sup> Plasmid Lysis Buffer (B2)	10166519	Pass
T1011-3	Monarch <sup>®</sup> Plasmid Resuspension Buffer (B1)	10166514	Pass

Assay Name/Specification	Lot # 10166552
<b>Functional Testing (DNA Recovery and Purity)</b> Twenty-four Monarch <sup>®</sup> 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
<b>Functional Testing (Plasmid Purification and Restriction Digestion)</b> pUC19 plasmid is purified from 8 NEB10-Beta samples using the Monarch <sup>®</sup> 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

This product has been tested and shown to be in compliance with all specifications.

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19 Dec 2022



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