



## New England Biolabs Certificate of Analysis

*Product Name:* Monarch<sup>®</sup> PCR & DNA Cleanup Kit (5 µg)  
*Catalog #:* T1030G  
*Kit Components:* Monarch<sup>®</sup> DNA Elution Buffer (T1016)  
 Monarch<sup>®</sup> DNA Cleanup Binding Buffer (T1031)  
 Monarch<sup>®</sup> DNA Wash Buffer (T1032)  
 Monarch<sup>®</sup> DNA Cleanup Columns (5 µg) (T1034)  
 Monarch<sup>®</sup> Collection Tubes (2 ml) (T1018)

*Lot #:* 0031604  
*Assay Date:* 04/2016  
*Expiration Date:* 10/2017  
*Storage Temp:* 25°C  
*Specification Version:* PS-T1030G v1.0  
*Effective Date:* 14 Mar 2018

Assay Name/Specification (minimum release criteria)	Lot #0031604
<b>Functional Testing (DNA Recovery and Purity)</b> - Twenty-four Monarch <sup>®</sup> DNA Cleanup Columns are tested with 1 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.	<b>Pass</b>
<b>Functional Testing (Fragment Purification and Restriction Digestion)</b> - A linear pLA3 fragment is added to 8 Monarch <sup>®</sup> DNA Cleanup Columns, eluted and digested with DraIII-HF <sup>®</sup> resulting in ≥90% conversion to two-fragment pattern observed by gel electrophoresis in ≥75% of the samples.	<b>Pass</b>

  
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 Authorized by  
 Melanie DiBiasio  
 14 Mar 2018

  
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 Inspected by  
 Ana Egana  
 26 May 2016

