

## New England Biolabs Certificate of Analysis

*Product Name:* Monarch<sup>®</sup> DNA Gel Extraction Kit  
*Catalog #:* T1020G  
*Kit Components:* Monarch<sup>®</sup> DNA Elution Buffer (T1016)  
 Monarch<sup>®</sup> Gel Dissolving Buffer (T1021)  
 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 #:* 0081804  
*Assay Date:* 04/2018  
*Expiration Date:* 10/2019  
*Storage Temp:* 25°C  
*Specification Version:* PS-T1020G v1.0  
*Effective Date:* 03 Oct 2018

Assay Name/Specification (minimum release criteria)	Lot #0081804
<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 (Gel Purification and Ligation)</b> - A linear pLA3 fragment is gel purified and added to 8 Monarch <sup>®</sup> DNA Cleanup Columns, eluted and ligated with Blunt/TA Ligase Master Mix resulting in ≥90% conversion to a multiband pattern observed by gel electrophoresis in ≥75% of the samples.	<b>Pass</b>



Authorized by  
Derek Robinson  
03 Oct 2018



Inspected by  
Ana Egana  
09 Apr 2018

