

## New England Biolabs Certificate of Analysis

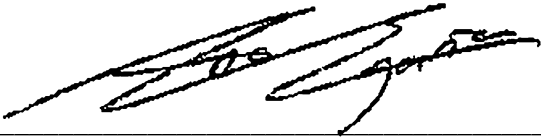
Product Name: *Monarch® Total RNA Miniprep Enzyme Pack*  
 Catalog Number: *T2019L*  
 Packaging Lot Number: *10144563*  
 Expiration Date: *07/2024*  
 Storage Temperature: *25°C*  
 Specification Version: *PS-T2019L v2.0*

Monarch® Total RNA Miniprep Enzyme Pack Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
T2006-21	Monarch® Nuclease-free Water	10146168	Pass
T2005-1	Monarch® DNase I Reaction Buffer	10146165	Pass
T2004-1	Monarch® DNase I	10146159	Pass
T2003-1	Monarch® Proteinase K Reaction Buffer	10146150	Pass
T2002-1	Monarch® Proteinase K Resuspension Buffer	10146148	Pass
T2001-1	Monarch® Proteinase K	10146127	Pass

Assay Name/Specification	Lot # 10144563
<b>Functional Testing (DNase I, Monarch®)</b> A 50 µl reaction in Monarch® DNase I Reaction Buffer with 1 µg of pBR322 and 5 mU Monarch® DNase I incubated for 10 minutes at 37°C results in digestion of the DNA fragments to ≤500 bp as determined by agarose gel electrophoresis.	Pass
<b>Functional Testing (Proteinase K, Monarch®)</b> A 20 µl reaction in Monarch® Proteinase K Reaction Buffer with 10 µg of MBP5 and 50 ng Monarch® Proteinase K incubated for 5 minutes at 37°C results in >75% digestion of the protein as determined by SDS-PAGE using Coomassie Blue detection.	Pass

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

One or more products referenced in this document may be covered by a 3rd-party trademark. Please visit [www.neb.com/trademarks](http://www.neb.com/trademarks) for additional information.



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26 Aug 2022



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26 Aug 2022