

## New England Biolabs Certificate of Analysis

Product Name: NEBNext<sup>®</sup> Poly(A) mRNA Magnetic Isolation Module  
 Catalog Number: E7490S  
 Packaging Lot Number: 10071730  
 Expiration Date: 05/2022  
 Storage Temperature: 4°C  
 Specification Version: PS-E7490S/L v1.0

NEBNext <sup>®</sup> Poly(A) mRNA Magnetic Isolation Module Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7499AVIAL	NEBNext <sup>®</sup> Oligo dT(25) Magnetic Beads	10071735	Pass
E7496AVIAL	NEBNext <sup>®</sup> Tris Buffer	10071734	Pass
E7495AVIAL	Nuclease-free Water	10071733	Pass
E7493AVIAL	NEBNext <sup>®</sup> Wash Buffer	10071732	Pass
E7492AVIAL	NEBNext <sup>®</sup> RNA Binding Buffer (2X)	10071731	Pass

Assay Name/Specification	Lot # 10071730
<p><b>* Individual Product Component Note</b>            Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup> Poly(A) mRNA Magnetic Isolation Module and meet the designated specifications.</p> <p><b>Functional Testing (Poly(A) Isolation)</b>            The NEBNext<sup>®</sup> Poly(A) Isolation Module is functionally validated using commercially available human RNA (e.g. UHRR). After treatment using the kit's minimum and maximum input requirements, RNA yield is assessed by Bioanalyzer. Libraries made from previous and current lots, using the minimum and maximum input amounts are sequenced together on the same Illumina<sup>®</sup> flow cell and compared across various metrics including library yield, individual transcript abundance correlations, 5'-3' transcript coverage, and fraction of reads mapping to a reference. This method produces libraries with less than 10% rRNA.</p>	<p>Pass</p> <p>Pass</p>

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.

*Christine Sumner*

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Christine Sumner  
Production Scientist  
25 Jun 2020

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
11 Jan 2021