

## New England Biolabs Certificate of Analysis

Product Name: NEBNext<sup>®</sup> Poly(A) mRNA Magnetic Isolation Module  
 Catalog Number: E7490L  
 Lot Number: 10030973  
 Expiration Date: 01/2021  
 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
E7499AAVIAL	NEBNext <sup>®</sup> Oligo dT(25) Magnetic Beads	10030978	Pass
E7496AAVIAL	NEBNext <sup>®</sup> Tris Buffer	10030977	Pass
E7495AAVIAL	Nuclease-free Water	10036836	Pass
E7493AAVIAL	NEBNext <sup>®</sup> Wash Buffer	10030975	Pass
E7492AAVIAL	NEBNext <sup>®</sup> RNA Binding Buffer (2X)	10030974	Pass

Assay Name/Specification	Lot # 10030973
<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><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>Pass</p> <p>Pass</p>

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

*Christine Sumner*

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Christine Sumner  
Production Scientist  
23 May 2019

*Josh Hersey*

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Josh Hersey  
Packaging Quality Control Inspector  
23 May 2019