

## New England Biolabs Certificate of Analysis

**Product Name:** NEBNext<sup>®</sup> Poly(A) mRNA Magnetic Isolation Module  
**Catalog Number:** E7490S  
**Packaging Lot Number:** 10061861  
**Expiration Date:** 01/2022  
**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	10061866	Pass
E7496AVIAL	NEBNext <sup>®</sup> Tris Buffer	10061865	Pass
E7495AVIAL	Nuclease-free Water	10061864	Pass
E7493AVIAL	NEBNext <sup>®</sup> Wash Buffer	10061863	Pass
E7492AVIAL	NEBNext <sup>®</sup> RNA Binding Buffer (2X)	10061862	Pass

Assay Name/Specification	Lot # 10061861
<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>	<b>Pass</b>
<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>	<b>Pass</b>

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

*Christine Sumner*

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Christine Sumner  
Production Scientist  
20 Mar 2020

*Michael Tonello*

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Michael Tonello  
Packaging Quality Control Inspector  
16 Jun 2020