

## New England Biolabs Certificate of Analysis

Product Name: NEBNext<sup>®</sup> Poly(A) mRNA Magnetic Isolation Module  
 Catalog Number: E7490G  
 Packaging Lot Number: 10168729  
 Expiration Date: 03/2024  
 Storage Temperature: 4°C  
 Specification Version: PS-E7490G v1.0

NEBNext <sup>®</sup> Poly(A) mRNA Magnetic Isolation Module Component List			
NEB Part Number	Component Description	Lot Number	Individual QC Result
E7499GVIAL	NEBNext <sup>®</sup> Oligo dT(25) Magnetic Beads	10136042	Pass
E7496GVIAL	NEBNext <sup>®</sup> Tris Buffer	10136041	Pass
E7495GVIAL	Nuclease-free Water	10136040	Pass
E7493GVIAL	NEBNext <sup>®</sup> Wash Buffer	10136039	Pass
E7492GVIAL	NEBNext <sup>®</sup> RNA Binding Buffer (2X)	10136038	Pass

Assay Name/Specification	Lot # 10168729
<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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25 Oct 2022

*Michael Tonello*

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25 Oct 2022