

## New England Biolabs Product Specification

*Product Name:* NEBNext<sup>®</sup> Poly(A) mRNA Magnetic Isolation Module  
*Catalog #:* E7490S/L  
*Kit Components:* NEBNext<sup>®</sup> RNA Binding Buffer (E7492)  
NEBNext<sup>®</sup> Wash Buffer (E7493)  
Nuclease Free Water (E7495)  
NEBNext<sup>®</sup> Tris Buffer (E7496)  
NEBNext<sup>®</sup> Oligo dT(25) Magnetic Beads (E7499)  
*Shelf Life:* 24 months  
*Storage Temp:* 4°C  
*Specification Version:* PS-E7490S/L v1.0  
*Effective Date:* 08 May 2019

### Assay Name/Specification (minimum release criteria)

**Functional Testing (Poly(A) Isolation)** - 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.

\* **Individual Product Component Note** - 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.



Date 08 May 2019

Derek Robinson  
Director of Quality Control

