

## New England Biolabs Product Specification

*Product Name:* NEBNext<sup>®</sup> High Input Poly(A) mRNA Isolation Module  
*Catalog #:* E3370S  
*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> High Input Oligo (dT)<sub>25</sub> Beads (E3371)  
*Shelf Life:* 24 months  
*Storage Temp:* 4°C  
*Specification Version:* PS-E3370S v1.0  
*Effective Date:* 02 Mar 2023

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

**Functional Testing (Poly(A) Isolation)** - The NEBNext<sup>®</sup> High Input Poly(A) mRNA Isolation Module is functionally validated using commercially available human RNA (e.g. UHRR, Agilent). After treatment using 25 µg input, RNA yield is assessed, and libraries made from previous and current lots are sequenced together on the same Illumina<sup>®</sup> flow cell and compared across various metrics including %rRNA remaining, 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> High Input Poly(A) mRNA Isolation Module and meet the designated specifications.

One or more products referenced in this document may be covered by a 3rd-party trademark.  
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Date 02 Mar 2023

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Quality Approver

