

New England Biolabs Product Specification

Product Name: NEBNext[®] RNA Depletion Core Reagent Set with RNA Sample Purification Beads
Catalog #: E7870S/L/X
Kit Components: NEBNext[®] DNase I (E7753)
NEBNext[®] Thermostable RNase H (E7752)
RNase H Reaction Buffer (E6312)
DNase I Reaction Buffer (E6315)
Nuclease Free Water (E6317)
NEBNext[®] Probe Hybridization Buffer (E6314)
NEBNext[®] RNA Sample Purification Beads (E6351)
Shelf Life: 18 months
Storage Temp: Multi-temp
Specification Version: PS-E7870S/L/X v1.0
Effective Date: 24 Apr 2020

Assay Name/Specification (minimum release criteria)

Functional Testing (RNA Sample Purification Beads) - The NEBNext[®] RNA Sample Purification Beads are used for the final cleanup of enzymatic reactions in the NEBNext[®] rRNA Depletion Kit. Purified rRNA depleted total RNA is run on a Bioanalyzer resulting in the expected yield and size distribution.

Functional Testing (rRNA Depletion) - NEBNext[®] RNA Depletion Core Reagent Set with RNA Sample Purification Beads is functionally validated using commercially available human RNA (e.g. UHRR). After treatment with the kit, a high-throughput sequencing library is made and sequenced. Reads from this library are classified as being derived from ribosomal RNA based on sequence homology. This method produces libraries with <10% rRNA.

* **Individual Product Component Note** - Standard Quality Control Tests are performed for each component included in NEBNext[®] RNA Depletion Core Reagent Set with RNA Sample Purification Beads and meet the designated specifications.



Date 24 Apr 2020

Derek Robinson
Director of Quality Control

