

New England Biolabs Product Specification

Product Name: NEBNext[®] rRNA Depletion Kit (Bacteria) with RNA Sample Purification Beads
Catalog #: E7860S/L/X
Kit Components: NEBNext[®] DNase I (E7753) — Store at -20°C
NEBNext[®] Thermostable RNase H (E7752) — Store at -20°C
NEBNext[®] Bacterial rRNA Depletion Solution (E7851) — Store at -20°C
RNase H Reaction Buffer (E6312) — Store at -20°C
DNase I Reaction Buffer (E6315) — Store at -20°C
Nuclease Free Water (E6317) — Store at -20°C
NEBNext[®] Probe Hybridization Buffer (E6314) — Store at -20°C
NEBNext[®] RNA Sample Purification Beads (E6351) — Store at 4°C

Shelf Life: 18 months
Storage Temp: Multi-temperature
Specification Version: PS-E7860S/L/X v1.0
Effective Date: 24 Sep 2019

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[®] rRNA Depletion Kit (Bacteria) is functionally validated using *E. coli* RNA and RNA from a mock bacterial community. 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[®] rRNA Depletion Kit (Bacteria) with RNA Sample Purification Beads and meet the designated specifications.



Date 24 Sep 2019

Derek Robinson
Director of Quality Control

