

## New England Biolabs Product Specification

<i>Product Name:</i>	<i>NEBNext<sup>®</sup> Globin &amp; rRNA Depletion Kit (Human/Mouse/Rat) with RNA Sample Purification Beads</i>
<i>Catalog #:</i>	<i>E7755S/L/X</i>
<i>Kit Components:</i>	<i>NEBNext<sup>®</sup> DNase I (E7753) — Store at -20°C NEBNext<sup>®</sup> Thermostable RNase H (E7752) — Store at -20°C NEBNext<sup>®</sup> Globin &amp; rRNA Depletion Solution (E7751) — 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<sup>®</sup> Probe Hybridization Buffer (E6314) — Store at -20°C NEBNext<sup>®</sup> RNA Sample Purification Beads (E6351) — Store at 4°C</i>
<i>Shelf Life:</i>	<i>18 months</i>
<i>Storage Temp:</i>	<i>Multi-temperature</i>
<i>Specification Version:</i>	<i>PS-E7755S/L/X v1.0</i>
<i>Effective Date:</i>	<i>18 Jun 2019</i>

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

**Functional Testing (Globin and rRNA Depletion)** - The NEBNext<sup>®</sup> Globin & rRNA Depletion Kit (Human/Mouse/Rat) is functionally validated using commercially available human RNA extracted from blood. 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 less than 10% rRNA and less than 5% globin RNA.

**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.



Date 18 Jun 2019

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Director of Quality Control

