

## New England Biolabs Product Specification

*Product Name:* NEBNext<sup>®</sup> Microbiome DNA Enrichment Kit  
*Catalog #:* E2612S/L  
*Kit Components:* NEBNext<sup>®</sup> MBD2-Fc Protein (E2614) — Store at -20°C  
NEBNext<sup>®</sup> Protein A Magnetic Beads (E2615) — Store at 4°C  
NEBNext<sup>®</sup> Bind/Wash Buffer (E2616) — Store at -20°C  
16s rRNA Universal Gene Bacteria Control Primers (E2618) — Store at -20°C  
RPL30 Human DNA Control Primers (E2619) — Store at -20°C  
*Shelf Life:* 24 months  
*Storage Temp:* Multi-temperature  
*Specification Version:* PS-E2612S/L v1.0  
*Effective Date:* 15 Mar 2019

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

**Functional Testing (Enrichment, Library Construction)** - Each set of reagents is functionally validated and compared to the previous lot through construction of libraries made from commercially available genomic DNA, using 1 µg of input. The input is a mixture of human and microbial DNA. Microbial and host fractions are recovered from the kit and each fraction is used to make independent libraries which are sequenced together on the same Illumina flow cell and compared across various metrics including the library yield, the amount of enrichment, fraction of reads aligning to the reference, GC bias, and insert size.

\* **Individual Product Component Note** - Standard Quality Control Tests are performed for each component included in NEBNext<sup>®</sup> Microbiome DNA Enrichment Kit and meet the designated specifications.



Date 15 Mar 2019

Derek Robinson  
Director of Quality Control

