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New England Biolabs
Certificate of Analysis

Product Name:	*NEBNext® Multiplex Oligos for Illumina® (Index Primers Set 4)*
Catalog #:	*E7730S/L*
Kit Components:	*NEBNext® Universal PCR Primer for Illumina® (E6861)* *NEBNext® Adaptor for Illumina® (E7337)* *USER® Enzyme (E7338)* *NEBNext® Index 30 Primer for Illumina® (E7716)* *NEBNext® Index 37 Primer for Illumina® (E7731)* *NEBNext® Index 38 Primer for Illumina® (E7732)* *NEBNext® Index 39 Primer for Illumina® (E7733)* *NEBNext® Index 40 Primer for Illumina® (E7744)* *NEBNext® Index 41 Primer for Illumina® (E7735)* *NEBNext® Index 43 Primer for Illumina® (E7737)* *NEBNext® Index 44 Primer for Illumina® (E7738)* *NEBNext® Index 45 Primer for Illumina® (E7739)* *NEBNext® Index 46 Primer for Illumina® (E7740)* *NEBNext® Index 47 Primer for Illumina® (E7741)* *NEBNext® Index 48 Primer for Illumina® (E7742)*
Lot #:	*0041711*
Assay Date:	*11/2017*
Expiration Date:	*11/2019*
Storage Temp:	*-20°C*
Specification Version:	*PS-E7730S/L v1.0*
Effective Date:	*16 Apr 2018*

Assay Name/Specification (minimum release criteria)	**Lot #0041711**
Functional Testing (Library Construction, Oligo) - Each set of reagents is functionally validated through construction of libraries made from commercially available genomic DNA. Libraries are made from each unique barcoded oligonucleotide and are sequenced together on the same Illumina flow cell and compared across various metrics including library yield, fraction of reads aligning to the reference, GC bias, and insert size.	**Pass**
*** Individual Product Component Note -** Standard Quality Control Tests are performed for each component included in NEBNext® Multiplex Oligos for Illumina® (Index Primers Set 4) and meet the designated specifications.	**Pass**

Authorized by
Christine Sumner
16 Apr 2018

Inspected by
Christine Sumner
16 Apr 2018

nqa ISO 9001 Registered Quality Management
nqa ISO 14001 Registered Environmental Management
nqa ISO 13485 Registered Medical Devices