
New England Biolabs Product Specification

<i>Product Name:</i>	<i>NEBNext[®] Immune Sequencing Kit (Human)</i>
<i>Catalog #:</i>	<i>E6320S</i>
<i>Kit Components:</i>	<i>NEBNext[®] IS RT Buffer (4X) (E6321) — Store at -20°C</i> <i>NEBNext[®] Cell Lysis Buffer (E6322) — Store at -20°C</i> <i>dNTP Solution Mix (E6323) — Store at -20°C</i> <i>NEBNext[®] IS RT Primer (E6324) — Store at -20°C</i> <i>NEBNext[®] IS TS Oligos (E6326) — Store at -20°C</i> <i>NEBNext[®] First Strand Synthesis Enzyme Mix (E7761) — Store at -20°C</i> <i>Q5[®] Hot Start High-Fidelity DNA Polymerase (E6327) — Store at -20°C</i> <i>Q5[®] Reaction Buffer (5X) (E6328) — Store at -20°C</i> <i>NEBNext[®] IS PCR2 Universal Primer (E6329) — Store at -20°C</i> <i>TE (0.1X) (E6331) — Store at -20°C</i> <i>Nuclease-free Water (E6332) — Store at -20°C</i> <i>NEBNext[®] i701 Primer (E6333) — Store at -20°C</i> <i>NEBNext[®] i702 Primer (E6334) — Store at -20°C</i> <i>NEBNext[®] i703 Primer (E6335) — Store at -20°C</i> <i>NEBNext[®] i704 Primer (E6336) — Store at -20°C</i> <i>NEBNext[®] i705 Primer (E6337) — Store at -20°C</i> <i>NEBNext[®] i706 Primer (E6338) — Store at -20°C</i> <i>NEBNext[®] i501 Primer (E6339) — Store at -20°C</i> <i>NEBNext[®] i502 Primer (E6340) — Store at -20°C</i> <i>NEBNext[®] i503 Primer (E6341) — Store at -20°C</i> <i>NEBNext[®] i504 Primer (E6342) — Store at -20°C</i> <i>Streptavidin Magnetic Beads (E6355) — Store at 4°C</i> <i>NEBNext[®] IS Bind/Wash Buffer (2X) (E6356) — Store at 4°C</i> <i>0.1% Tween (E6357) — Store at 4°C</i> <i>NEBNext[®] Sample Purification Beads (E6358) — Store at 25°C</i> <i>NEBNext[®] IS BCR Primers (Human) (E2626) — Store at -20°C</i> <i>NEBNext[®] IS TCR Primers (Human) (E2627) — Store at -20°C</i>
<i>Shelf Life:</i>	<i>18 months</i>
<i>Storage Temp:</i>	<i>Multi-temp</i>
<i>Specification Version:</i>	<i>PS-E6320S v1.0</i>



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Effective Date: 11 Jun 2021

Assay Name/Specification (minimum release criteria)

<p>Functional Testing (Library Construction) - NEBNext[®] Immune Sequencing Kit (Human) is functionally validated using commercially available human B cell RNA and human T cell RNA, mixed at a 20%:80% B:T ratio. Libraries are constructed with the new and previous kit lots at the highest and lowest RNA input using both BCR and TCR primers. All libraries are sequenced on the same flowcell and compared with expected thresholds and between lots across a variety of metrics. Library assessment is based on metrics including library yield, read quality, distribution of reads per UMI, primer usage, assembled sequence length, and distribution of clonotypes.</p>

<p>* Individual Product Component Note - Standard Quality Control Tests are performed for each component included in NEBNext[®] Immune Sequencing Kit (Human) and meet the designated specifications.</p>

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Date 11 Jun 2021

Derek Robinson
Director, Quality Control

