

New England Biolabs Product Specification

<i>Product Name:</i>	<i>NEBNext Direct[®] Custom Ready Panels</i>
<i>Catalog #:</i>	<i>E6631S</i>
<i>Kit Components:</i>	<i>NEBNext Direct[®] Custom Bait Pool (N6631) — Store at -20°C</i> <i>NEBNext[®] Sample Purification Beads (E7048) — Store at 25°C</i> <i>NEBNext Direct[®] Bead Prep Buffer (E7001) — Store at 4°C</i> <i>NEBNext Direct[®] Hybridization Buffer (E7083) — Store at 4°C</i> <i>NEBNext Direct[®] 3' Blunting Buffer (E7080) — Store at 4°C</i> <i>NEBNext Direct[®] dA-Tailing Buffer (E7004) — Store at 4°C</i> <i>NEBNext Direct[®] Adaptor Ligation Buffer (E7005) — Store at 4°C</i> <i>NEBNext Direct[®] 5' Blunting Buffer (E7081) — Store at 4°C</i> <i>NEBNext Direct[®] Cleaving Buffer (E7007) — Store at 4°C</i> <i>NEBNext Direct[®] Hybridization Wash (HW) (E7082) — Store at 4°C</i> <i>NEBNext Direct[®] Bead Wash 1 (BW1) (E7009) — Store at 25°C</i> <i>NEBNext Direct[®] Bead Wash 2 (BW2) (E7010) — Store at 4°C</i> <i>NEBNext Direct[®] 3' Adaptor (E7011) — Store at -20°C</i> <i>NEBNext Direct[®] 5' UMI Adaptor (E7012) — Store at -20°C</i> <i>NEBNext Direct[®] 3' Blunting Enzyme Mix (E7084) — Store at -20°C</i> <i>NEBNext Direct[®] dA-Tailing Enzyme (E7015) — Store at -20°C</i> <i>NEBNext Direct[®] Ligase (E7016) — Store at -20°C</i> <i>NEBNext Direct[®] 5' Blunting Enzyme Mix (E7017) — Store at -20°C</i> <i>NEBNext Direct[®] Cleaving Enzyme Mix (E7018) — Store at -20°C</i> <i>NEBNext Direct[®] Q5[®] Master Mix (E7019) — Store at -20°C</i> <i>NEBNext Direct[®] Index Primer Mix D01 (E7020) — Store at -20°C</i> <i>NEBNext Direct[®] Index Primer Mix D02 (E7021) — Store at -20°C</i> <i>NEBNext Direct[®] Index Primer Mix D03 (E7022) — Store at -20°C</i> <i>NEBNext Direct[®] Index Primer Mix D04 (E7023) — Store at -20°C</i> <i>NEBNext Direct[®] Index Primer Mix D05 (E7024) — Store at -20°C</i> <i>NEBNext Direct[®] Index Primer Mix D06 (E7025) — Store at -20°C</i> <i>NEBNext Direct[®] Index Primer Mix D07 (E7026) — Store at -20°C</i> <i>NEBNext Direct[®] Index Primer Mix D08 (E7027) — Store at -20°C</i> <i>NEBNext Direct[®] DNA Nicking Buffer (E7087) — Store at -20°C</i> <i>NEBNext Direct[®] DNA Nicking Enzyme (E7088) — Store at -20°C</i> <i>NEBNext Direct[®] Stop Solution (E7089) — Store at -20°C</i>



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NEBNext Direct[®] Streptavidin Beads (E7049) — Store at 4°C
NEBNext Direct[®] Hybridization Additive (E7050) — Store at -20°C

Shelf Life: 18 months
Storage Temp: Multi-temperature
Specification Version: PS-E6631S v1.0
Effective Date: 11 Jun 2018

Assay Name/Specification (minimum release criteria)

Functional Testing (Targeted DNA Library Construction, Custom) - Each set of reagents is functionally validated together through construction and sequencing of a target enriched DNA library on an Illumina[®] Sequencing platform using the NEBNext Direct[®] Cancer HotSpot Baits. For 100 ng of human genomic DNA input and coverage of 100 X, 100% of the targets are covered using the NEBNext Direct[®] Cancer HotSpot Baits.

* **Individual Custom Panel Note** - For each Custom Ready Panel, each set of reagents is functionally validated together through construction and sequencing of a target enriched DNA library on an Illumina[®] sequencing platform. Test results may vary based on the selection of genes tested.



Date 11 Jun 2018

Derek Robinson
Director of Quality Control

