

New England Biolabs Product Specification

<i>Product Name:</i>	<i>NEBNext Direct[®] Custom Ready Panels</i>
<i>Catalog #:</i>	<i>E6631X</i>
<i>Kit Components:</i>	<i>NEBNext Direct[®] Custom Bait Pool (N6631) — Store at -20°C NEBNext[®] Sample Purification Beads (E7048) — Store at 25°C NEBNext Direct[®] Bead Prep Buffer (E7001) — Store at 4°C NEBNext Direct[®] Hybridization Buffer (E7083) — Store at 4°C NEBNext Direct[®] 3' Blunting Buffer (E7080) — Store at 4°C NEBNext Direct[®] dA-Tailing Buffer (E7004) — Store at 4°C NEBNext Direct[®] Adaptor Ligation Buffer (E7005) — Store at 4°C NEBNext Direct[®] 5' Blunting Buffer (E7081) — Store at 4°C NEBNext Direct[®] Cleaving Buffer (E7007) — Store at 4°C NEBNext Direct[®] Hybridization Wash (HW) (E7082) — Store at 4°C NEBNext Direct[®] Bead Wash 1 (BW1) (E7009) — Store at 25°C NEBNext Direct[®] Bead Wash 2 (BW2) (E7010) — Store at 4°C NEBNext Direct[®] 3' Adaptor (E7011) — Store at -20°C NEBNext Direct[®] 5' UMI Adaptor (E7012) — Store at -20°C NEBNext Direct[®] 3' Blunting Enzyme Mix (E7084) — Store at -20°C NEBNext Direct[®] dA-Tailing Enzyme (E7015) — Store at -20°C NEBNext Direct[®] Ligase (E7016) — Store at -20°C NEBNext Direct[®] 5' Blunting Enzyme Mix (E7017) — Store at -20°C NEBNext Direct[®] Cleaving Enzyme Mix (E7018) — Store at -20°C NEBNext Direct[®] Q5[®] Master Mix (E7019) — Store at -20°C NEBNext Direct[®] Index Primer Mix Plate (E7044) — Store at -20°C NEBNext Direct[®] DNA Nicking Buffer (E7087) — Store at -20°C NEBNext Direct[®] DNA Nicking Enzyme (E7088) — Store at -20°C NEBNext Direct[®] Stop Solution (E7089) — Store at -20°C NEBNext Direct[®] Streptavidin Beads (E7049) — Store at 4°C NEBNext Direct[®] Hybridization Additive (E7050) — Store at -20°C</i>
<i>Shelf Life:</i>	<i>18 months</i>
<i>Storage Temp:</i>	<i>Multi-temperature</i>
<i>Specification Version:</i>	<i>PS-E6631X v1.0</i>



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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

