NEBNext Direct® Custom Ready Panels
Catalog #: E6631S

Kit Components:
- 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 (E7013) — 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 D01 (E7020) — Store at -20°C
- NEBNext Direct® Index Primer Mix D02 (E7021) — Store at -20°C
- NEBNext Direct® Index Primer Mix D03 (E7022) — Store at -20°C
- NEBNext Direct® Index Primer Mix D04 (E7023) — Store at -20°C
- NEBNext Direct® Index Primer Mix D05 (E7024) — Store at -20°C
- NEBNext Direct® Index Primer Mix D06 (E7025) — Store at -20°C
- NEBNext Direct® Index Primer Mix D07 (E7026) — Store at -20°C
- NEBNext Direct® Index Primer Mix D08 (E7027) — 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
New England Biolabs
Product Specification

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

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**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.

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Derek Robinson  
Director of Quality Control  

**Date**  
11 Jun 2018