Product Name: NEBNext Direct® Cancer HotSpot Panel
Catalog #: E7000X

Kit Components:

- NEBNext Direct® Cancer HotSpot Baits (E7086) — Store at -20°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® Hybridization Additive (E7050) — 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® Streptavidin Beads (E7049) — Store at 4°C

Shelf Life: 18 months
Storage Temp: Multi-temperature
Specification Version: PS-E7000X v1.0
# New England Biolabs

## Product Specification

**Effective Date:** 12 Sep 2018

<table>
<thead>
<tr>
<th>Assay Name/Specification (minimum release criteria)</th>
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<tr>
<td><strong>Functional Testing (Targeted DNA Library Construction)</strong> - Each set of reagents is functionally validated together through construction and sequencing of a target enriched DNA library on an Illumina® Sequencing platform. For 100 ng of Human Genomic DNA input and an average coverage of 100X, 100% of the targets are covered.</td>
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* **Individual Product Component Note** - Standard Quality Control Tests are performed for each component included in NEBNext Direct® Cancer HotSpot Panel and meet the designated specifications.

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Derek Robinson  
**Director of Quality Control**  

Date 12 Sep 2018