

## New England Biolabs Product Specification

<i>Product Name:</i>	<i>NEBNext Direct<sup>®</sup> BRCA1/BRCA2 Panel</i>
<i>Catalog #:</i>	<i>E6627X</i>
<i>Kit Components:</i>	<i>NEBNext Direct<sup>®</sup> BRCA1/BRCA2 Baits (E6628) — Store at -20°C</i> <i>NEBNext Direct<sup>®</sup> 3' Adaptor (E7011) — Store at -20°C</i> <i>NEBNext Direct<sup>®</sup> 5' UMI Adaptor (E7012) — Store at -20°C</i> <i>NEBNext Direct<sup>®</sup> 3' Blunting Enzyme Mix (E7084) — Store at -20°C</i> <i>NEBNext Direct<sup>®</sup> dA-Tailing Enzyme (E7015) — Store at -20°C</i> <i>NEBNext Direct<sup>®</sup> Ligase (E7016) — Store at -20°C</i> <i>NEBNext Direct<sup>®</sup> 5' Blunting Enzyme Mix (E7017) — Store at -20°C</i> <i>NEBNext Direct<sup>®</sup> Cleaving Enzyme Mix (E7018) — Store at -20°C</i> <i>NEBNext Direct<sup>®</sup> Q5<sup>®</sup> Master Mix (E7019) — Store at -20°C</i> <i>NEBNext Direct<sup>®</sup> Index Primer Mix Plate (E7044) — Store at -20°C</i> <i>NEBNext Direct<sup>®</sup> DNA Nicking Buffer (E7087) — Store at -20°C</i> <i>NEBNext Direct<sup>®</sup> DNA Nicking Enzyme (E7088) — Store at -20°C</i> <i>NEBNext Direct<sup>®</sup> Stop Solution (E7089) — Store at -20°C</i> <i>NEBNext Direct<sup>®</sup> Hybridization Additive (E7050) — Store at -20°C</i> <i>NEBNext<sup>®</sup> Sample Purification Beads (E7048) — Store at 25°C</i> <i>NEBNext Direct<sup>®</sup> Bead Prep Buffer (E7001) — Store at 4°C</i> <i>NEBNext Direct<sup>®</sup> Hybridization Buffer (E7083) — Store at 4°C</i> <i>NEBNext Direct<sup>®</sup> 3' Blunting Buffer (E7080) — Store at 4°C</i> <i>NEBNext Direct<sup>®</sup> dA-Tailing Buffer (E7004) — Store at 4°C</i> <i>NEBNext Direct<sup>®</sup> Adaptor Ligation Buffer (E7005) — Store at 4°C</i> <i>NEBNext Direct<sup>®</sup> 5' Blunting Buffer (E7081) — Store at 4°C</i> <i>NEBNext Direct<sup>®</sup> Cleaving Buffer (E7007) — Store at 4°C</i> <i>NEBNext Direct<sup>®</sup> Hybridization Wash (HW) (E7082) — Store at 4°C</i> <i>NEBNext Direct<sup>®</sup> Bead Wash 1 (BW1) (E7009) — Store at 25°C</i> <i>NEBNext Direct<sup>®</sup> Bead Wash 2 (BW2) (E7010) — Store at 4°C</i> <i>NEBNext Direct<sup>®</sup> Streptavidin Beads (E7049) — Store at 4°C</i>
<i>Shelf Life:</i>	<i>18 months</i>
<i>Storage Temp:</i>	<i>Multi-temperature</i>
<i>Specification Version:</i>	<i>PS-E6627X v2.0</i>



---

## New England Biolabs Product Specification

Effective Date: 26 Oct 2018

<b>Assay Name/Specification (minimum release criteria)</b>
--

<p><b>Functional Testing (Targeted DNA Library Construction)</b> - 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.</p>
--

<p>* <b>Individual Product Component Note</b> - Standard Quality Control Tests are performed for each component included in NEBNext Direct® BRCA1/BRCA2 Panel and meet the designated specifications.</p>
---



Date 26 Oct 2018

---

Derek Robinson  
Director of Quality Control

