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Directed
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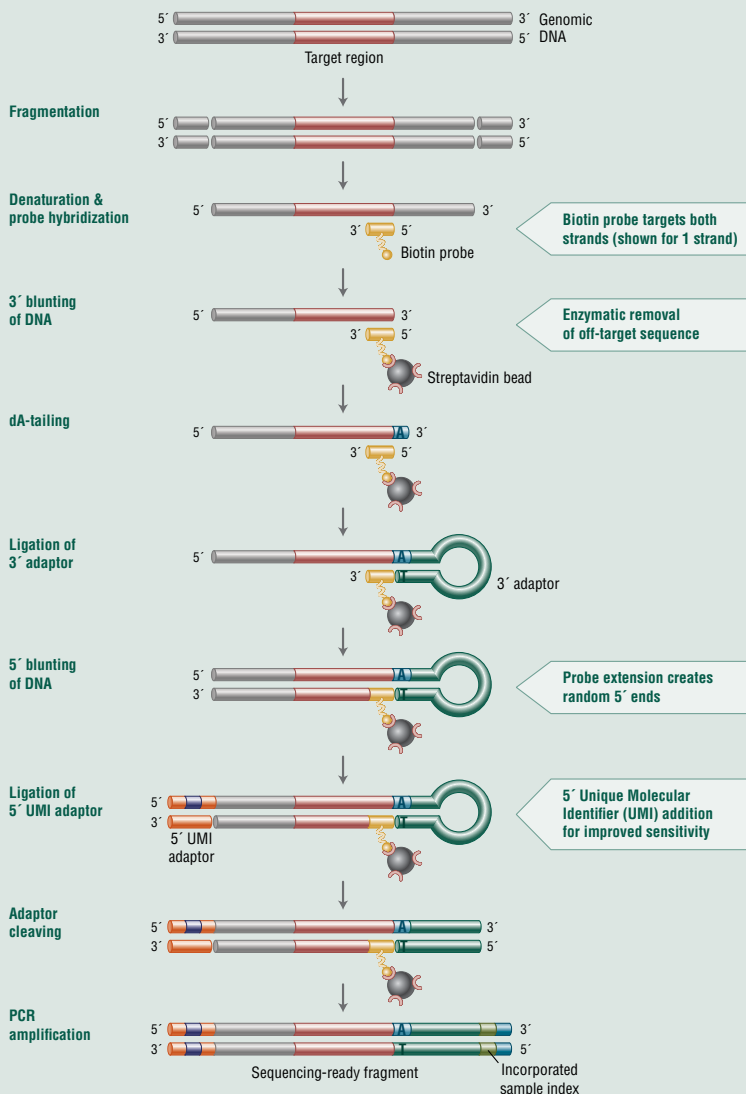
NEBNext Direct™ Target Enrichment Technology

TARGET WITH PRECISION

 NEW ENGLAND
BioLabs® Inc.

be INSPIRED
drive DISCOVERY
stay GENUINE

NEBNext Direct employs a fast (<1-day) hybridization-based workflow that combines capture with library preparation



About NEBNext Direct

NEBNext Direct uses a unique technology to enable highly specific target enrichment of genomic regions of interest. The result of a partnership between New England Biolabs® (NEB®) and Directed Genomics™, this unique hybridization-based target enrichment technology enables high sensitivity variant calling with the speed and precision previously only feasible using multiplex PCR-based approaches. This flexibility allows a single workflow for assays ranging from single gene tests to comprehensive panels including several hundred genes. Regardless of sample type or assay content, NEBNext Direct enables enrichment of targets with precision.

- Generate a higher percentage of sequencing reads aligning to targeted regions
- Eliminate the need to over-sequence, reducing cost per sample
- Obtain uniform sequencing of ALL targets, regardless of GC content
- Save time with a streamlined, <1-day workflow that combines enrichment and library preparation
- Generate high quality libraries with limited input amounts and degraded DNA samples, including FFPE and ctDNA
- Distinguish molecular duplicates, reducing false positive variants and improving sensitivity
- On-bead workflow is ideal for automation

“ The kit and its technology are easy to use and easy to automate, allowing us to get up and running quickly. The protocol itself is fast and efficient to obtain deep coverage of targets, giving homogeneous results for FFPE and frozen tumors, therefore opening doors for customized panels. ”

– Francis Rousseau, Ph.D.
Director of Genomics for IntegraGen SA

For more information, please contact NEBNextDirect@neb.com