

Increase Your Multiplexing Capabilities for NimbleGen SeqCap Target Capture

NEXTflex™ RAPID PRE-CAPTURE COMBO KIT

- **Complete Kit** - Contains library prep, barcode adapters and blockers compatible with NimbleGen's SeqCap EZ capture systems
- **Multiplex Compatible** -96 barcodes and barcode blockers available
- **Optimized** - Enhanced Adapter Ligation Technology offers greater library diversity and more unique reads
- **Compatible with Illumina®** sequencing platforms

The NEXTflex™ Rapid Pre-Capture Combo Kit (NimbleGen SeqCap EZ Library Compatible) is a complete library prep solution designed for fast library preparation from as little as 10 ng of input DNA, multiplexing and barcode blocking, upstream of Roche NimbleGen's SeqCap EZ capture kits. This kit is designed to prepare single read or paired-end libraries from genomic DNA for target capture and Illumina sequencing.

Reduced Input

The optimized workflow incorporated into the NEXTflex Rapid Pre-Capture Combo Kit enables you to perform target capture using any of Roche's pre-designed or custom SeqCap EZ capture kits with as little as 10 ng input DNA.

Improved Sequencing Results

This kit features Enhanced Adapter Ligation Technology, resulting in library preps with a larger number of unique sequencing reads. The NEXTflex Rapid Pre-Capture Combo Kit also reduces GC bias and produces uniform coverage of difficult to sequence genomes. The NEXTflex Rapid Pre-Capture Combo Kit also simplifies workflow by using master- mixed reagents and magnetic bead based cleanup, reducing pipetting and eliminating time-consuming steps in library preparation.

Increased Multiplexing Capabilities

The barcodes and blocking oligos are supplied in sets of 24, 48 and 96 unique adapters with matching blocking oligos. The ability to pool samples in an efficient way significantly decreases hands on time while providing robust data quality. In addition to the NEXTflex Rapid Pre-Capture Combo Kit, the NEXTflex™ DNA Barcodes and NEXTflex™ DNA Barcodes Blockers are also available separately.

For larger volume requirements, customization and bulk packaging is available. For increased flexibility, individual reagents (non-master mixed) are also available. Please contact nextgen@biooscientific.com for further information.

Cat #	Product	Quantity
5144-41	NEXTflex™ Rapid Pre-Capture Combo Kit (24 Barcodes)	48 rxns
5144-42	NEXTflex™ Rapid Pre-Capture Combo Kit (48 Barcodes)	96 rxns
5144-43	NEXTflex™ Rapid Pre-Capture Combo Kit (96 Barcodes)	192 rxns