

# NEXTflex™ DNA Sequencing Kits

## 产品特点:

- Enhanced Adapter Ligation Technology offers a larger number of unique sequencing reads
- Completely gel-free, library prep protocol available
- Flexible barcode options– kits containing 6, 12, 24, 48 or 96 unique barcodes
- Simplified workflow with master-mixes that reduce hands-on time
- Automation-friendly workflow is compatible with liquid handlers
- Compatible with targeted sequence capture
- Barcoded adapters for multiplexing contain embedded index sequence
- Bead-based cleanup protocol replaces columns
- Cost-effective library prep solution
- Functionally validated with Illumina GAIIX, HiSeq 2000 and MiSeq sequencing platforms

## 产品详情:

The NEXTflex™ DNA Sequencing Kit is designed to prepare single, paired-end and multiplexed genomic DNA libraries for sequencing using Illumina® GAIIX, HiSeq 2000/1000 and MiSeq platforms. The enhanced NEXTflex™ kit simplifies workflow by using master mixed reagents and magnetic bead based cleanup, reducing pipetting and eliminating time consuming steps in library preparation. The NEXTflex DNA Sequencing Kit features “Enhanced Adapter Ligation Technology” resulting in library preps with a larger number of unique sequencing reads. By making changes to the ligation enzymatic mix, the user will now have the ability to perform ligations with longer adapters and expect to see better binding efficiencies. In addition, the availability of up to 96 unique adapter barcodes makes this the most high-throughput kit available.

### New, Completely Gel-Free, Library Prep Protocol

The NEXTflex™ DNA Sequencing Kit now includes an optional protocol which allows you to completely eliminate the gel purification step. The alternative bead-based protocol reduces the required sample prep time by 2 hours and allows for complete automation of DNA library prep.

Download a copy of our Application Note, Tools for Enhanced Sequence Diversity and Reducing Bias in DNA-seq Library Preparation, which was recently published on Nature Methods.

For larger volume requirements, customization and bulk packaging is available. For increased flexibility individual reagents (non-master mixed) are also available. Please contact [info@sbsbio.com](mailto:info@sbsbio.com) for further information

Catalog#	Product Name	Quantity
5140-01	NEXTflex™ DNA Sequencing Kits	8 rxns
5140-02	NEXTflex™ DNA Sequencing Kits	48 rxns