

NEXTflex™ PCR-Free DNA Sequencing Kit

产品特点:

- Eliminates amplification bias and poor sequence representation
- Improves read mapping
- Reduces duplicate sequences
- Better de novo assembly
- New gel-free protocol offers faster library preparation
- Enhanced adapter ligation technology with NEXTflex™ Ligation
- Flexible barcode options - NEXTflex PCR-Free Barcode kits contain 6, 12, 24 or 48 unique barcodes
- Bead-based cleanup protocol
- Automation-friendly workflow is compatible with liquid handlers
- Barcoded adapters for multiplexing contain embedded index sequence

产品详情:

Amplifying AT or GC rich genomic regions often leads to sequence biased nucleotide compositions and poses a serious challenge during analysis. Using specially designed master-mixed enzymes, the NEXTflex™ PCR-Free DNA Sequencing kit completely eliminates the need for amplification, enabling better read mapping and a reduction in duplicate sequences leading to reduced sequence cost and bias for more representative base identities and better de novo assembly.

In addition, the NEXTflex PCR-Free DNA Sequencing Kit features patent pending “Enhanced Adapter Ligation Technology” resulting in library preps with a larger number of unique sequencing reads. By making improvements 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. The NEXTflex PCR-Free Sequencing 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™ PCR-Free DNA Sequencing kit is designed to prepare gel-free libraries using magnetic bead based size selection. If you have specific insert size requirements and would like to perform agarose gel size selection, we recommend the Agarose Gel Size Selection Kit.

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 for further information

Catalog#	Product Name	Quantity
5142-01	NEXTflex™ PCR-Free DNA Sequencing Kit	8 rxns
5142-02	NEXTflex™ PCR-Free DNA Sequencing Kit	48 rxns