

# NEXTflex™ Bisulfite-Seq Kit

## 产品特点:

- Compatible with total bisulfite sequencing and reduced representation
- Single nucleotide resolution of methylation sites
- Uracil insensitive polymerase designed for bisulfite-converted DNA
- Methylome-level assessment with broad genome coverage
- Enhanced adapter ligation technology with NEXTflex™ Ligation
- Bead-based cleanup
- Automation-friendly workflow is compatible with liquid handlers
- Methylated barcoded adapters for multiplexing contain embedded index sequence
- Functionally validated with Illumina MiSeq, GAIIX and HiSeq platforms

## 产品描述:

The NEXTflex™ Bisulfite-Seq Kit is designed work with reduced representation or total bisulfite-converted DNA libraries and is compatible with single, paired-end and multiplexed DNA libraries on Illumina® MiSeq, GAIIX and HiSeq platforms. This kit features “Enhanced Adapter Ligation Technology” resulting in library preps with a larger number of unique sequencing reads. This specially designed NEXTflex ligation enzymatic mix allows users to perform ligations with longer adapters and better ligation efficiencies. The NEXTflex™ Bisulfite-Seq Kit is a versatile kit designed to facilitate assessment of the methylation state of the genome and simplify workflow by using master mixed reagents, magnetic bead based cleanup, which reduce pipetting and eliminate time consuming steps in library preparation. In addition, the availability of the methylated NEXTflex™ Bisulfite-Seq barcoded adapters make multiplexing possible.

The NEXTflex Bisulfite-Seq Kit with reduced representation utilizes a restriction enzyme that leads to selective amplification of CpG regions, resulting in focused sequence depth. The NEXTflex™ Msp1 Restriction Enzyme, which is available separately, has been optimized for reduced representation studies when used in conjunction with the NEXTflex Bisulfite-Seq Kit. The NEXTflex Bisulfite-Seq Kit can also be used without the MSP 1 Restriction Enzyme for genome-wide methyl-seq analysis, including under-represented CpG regions.

For larger volume requirements, customized and bulk packaging is available. Please contact [info@sbsbio.com](mailto:info@sbsbio.com) for further information.

Catalog#	Product Name	Quantity
5119-01	NEXTflex™ Bisulfite-Seq Kits	8 rxns
5119-02	NEXTflex™ Bisulfite-Seq Kits	48 rxns