

NEXTflex™ Methyl-Seq 1 Kit

产品特点:

- Methylome-level assessment with broad genome coverage
- Make methyl rich libraries using methylated DNA immunoprecipitation (MeDIP) or MBD capture (MeCAP)
- Quantify absolute DNA methylation levels
- Identify differentially methylated regions (DMRs)
- Enhanced adapter ligation technology with NEXTflex™ Ligation
- Flexible barcode options– 6, 12, 24, 48, 96 unique indices
- Gel-Free and bead-based cleanup protocols
- Automation-friendly workflow is compatible with liquid handlers
- Barcoded adapters for multiplexing contain embedded index sequence
- Functionally validated with Illumina MiSeq, GAIIX and HiSeq platforms

产品介绍:

The NEXTflex™ Methyl-Seq 1 Kit is designed to enrich and prepare single, paired-end and multiplexed methylated DNA libraries for sequencing using Illumina® MiSeq, GAIIX and HiSeq platforms. NEXTflex Methyl-Seq utilizes a versatile immune-capture (MeDIP) or methyl-CpG-binding domain (MeCAP) for detection of methylated DNA allowing the user to easily assess the methylation state of the genome.

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™ Methyl-Seq 1 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™ and NEXTflex-96™ DNA Barcodes can be used for multiplexing libraries prepared with the NEXTflex™ Methyl-Seq 1 Kit. These kits include adapters containing indexed sequences that offer an improved multiplexing workflow and flexible setup. This automation-friendly format enables multiplexing of up to 96 samples for a total of 768 reactions. These barcodes are available in sets of 6, 12, 24, 48 and 96 unique adapters. A set of 192 barcodes will also be available shortly. The ability to pool samples in an efficient way significantly decreases hands on time while providing robust data quality. These barcodes can be used with single, paired-end and multiplex reads.

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
5118-01	NEXTflex™ Methyl-Seq 1 Kit	8 rxns
5118-02	NEXTflex™ Methyl-Seq 1 Kit	48 rxns