

# NEXTflex™ ChIP-Seq Modules

## 产品特点:

- Flexible options – the NEXTflex™ ChIP-Seq Modules are available in aliquots containing any number of reactions you need
- Convenient – Reactions are provided in master mix format to reduce steps during DNA sample prep workflows
- Low 10 ng input requirement
- For use with ChIP or genomic DNA samples
- End repair and ligation mixes are optimized for low DNA input
- Enhanced Adapter Ligation Technology offers a larger number of unique sequencing reads
- Automation-friendly workflow is compatible with liquid handlers
- Functionally validated with Illumina sequencing platforms

## 产品介绍:

The NEXTflex™ ChIP-Seq Modules offer additional flexibility to next generation sequencing library preparation. The NEXTflex ChIP-Seq Modules contain specially designed NanoQ™ enzymes and buffers needed for sample preparation of chromatin immunoprecipitated or regular genomic DNA for next generation sequencing. They also feature Bioo Scientific's proprietary "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. All of these modules are compatible with the Illumina Genome Analyzer IIX, HiSeq and MiSeq sequencing platforms. These modules are available in any quantity greater than 100 reactions.

### NEXTflex™ ChIP-Seq End Repair Module

The NEXTflex™ ChIP-Seq End-Repair Module has been designed with enzymes and buffers to efficiently repair fragmented DNA with overhangs to blunt ended DNA. This module is optimized for low DNA input. The NEXTflex™ ChIP-Seq End Repair Module is supplied as a master mix to maximize efficiency and convenience in DNA sample preparation workflows. The module is the first step in the NEXTflex™ ChIP-Seq Kit.

### NEXTflex™ ChIP-Seq Adenylation Module

The NEXTflex™ ChIP-Seq Adenylation Module has been designed with enzymes and buffers to efficiently incorporate an "A" on the 3' end of blunt DNA fragments. The module is the second step in the NEXTflex™ ChIP-Seq Kit.

### NEXTflex™ ChIP-Seq Ligation Module

The NEXTflex™ ChIP-Seq Ligation Module has been designed with enzymes and buffers to efficiently ligate DNA adapters to adenylated DNA fragments. This module is optimized for low DNA input. Using Bioo Scientific's "Enhanced Ligation Technology", adapters are bound to more DNA fragments leading to increased sequencing diversity and reads. The module is the fourth step in the NEXTflex™ ChIP-Seq Kit.

### NEXTflex™ ChIP-Seq PCR Module

The NEXTflex™ ChIP-Seq PCR Module has been designed with enzymes, buffers and nucleotides to efficiently amplify adapter ligated DNA. The module is the final step in the NEXTflex™ ChIP-Seq Kit.

Modules are also available for DNA library preparation and PCR-free library preparation.

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

Catalog#	Product Name	Quantity
5143-05	NEXTflex™ ChIP-Seq End Repair Mix	100 rxns
5143-05c	NEXTflex™ ChIP-Seq End Repair Mix	1,000 rxns
5143-06	NEXTflex™ ChIP-Seq Adenylation Mix	100 rxns
5143-06c	NEXTflex™ ChIP-Seq Adenylation Mix	1,000 rxns
5143-07	NEXTflex™ ChIP-Seq Ligation Mix	100 rxns
5143-07c	NEXTflex™ ChIP-Seq Ligation Mix	1,000 rxns
5143-08	NEXTflex™ ChIP-Seq PCR Master Mix	100 rxns
5143-08c	NEXTflex™ ChIP-Seq PCR Master Mix	1,000 rxns