

NEXTflex™ RNA-Seq Modules

产品特点:

- Flexible options – the NEXTflex™ RNA-Seq Modules are available in custom aliquots containing the number of reactions you need
- Convenient – Reactions are provided in master mix format to reduce steps during RNA sample prep workflows
- 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

产品描述:

The NEXTflex™ RNA-Seq Modules offer additional flexibility to next generation sequencing library preparation. All of these modules are compatible with the Illumina Genome Analyzer IIx, HiSeq and MiSeq sequencing platforms. These modules are also available in quantities greater than 100 reactions.

NEXTflex™ RNA Fragmentation Mix

The NEXTflex™ RNA-Fragmentation Module has been optimized to fragment RNA using divalent cations with elevated temperature. This module contains buffers that are suited for RNA fragmentation. The NEXTflex™ RNA-Fragmentation Module is the first step in the NEXTflex™ RNA-Seq Kit.

NEXTflex™ First Strand Synthesis Buffer Mix

The NEXTflex™ First Strand Synthesis Mix enables high yield first-strand synthesis of cDNA. This mix contains buffer only; SuperScript® III must be purchased separately. This module is the second step in the NEXTflex™ RNA-Seq Kit.

NEXTflex™ Second Strand Synthesis Mix

The NEXTflex™ Second Strand Synthesis Mix has been optimized to generate double stranded cDNA from first strand cDNA. This module is provided as a master mix to maximize

efficiency and convenience. The NEXTflex™ Second Strand Synthesis Mix is the third step in the NEXTflex™ RNA-Seq Kit.

NEXTflex™ RNA-Seq End Repair Mix

The NEXTflex™ RNA End-Repair Mix has been designed with enzymes and buffers to efficiently repair fragmented DNA with overhangs to blunt ended DNA. This module is the fourth step in the NEXTflex™ RNA-Seq Kit.

NEXTflex™ RNA-Seq Adenylation Mix

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

NEXTflex™ RNA-Seq Ligation Mix

The NEXTflex™ RNA-Seq Ligation Mix has been designed with enzymes and buffers to efficiently ligate adapters to adenylated cDNA fragments. Using Bioo Scientific's "Enhanced Ligation Technology", adapters are bound to more cDNA fragments leading to increased sequencing diversity and reads. The module is the sixth step in the NEXTflex™ RNA-Seq Kit.

NEXTflex™ RNA-Seq PCR Mix

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

Catalog#	Product Name	Quantity
5129-31	NEXTflex™ RNA Fragmentation Mix	100 rxns
5129-31c	NEXTflex™ RNA Fragmentation Mix	1,000 rxns
5129-32	NEXTflex™ First Strand Synthesis Mix	100 rxns
5129-32c	NEXTflex™ First Strand Synthesis Mix	1,000 rxns
5129-33	NEXTflex™ Second Strand Synthesis Mix	100 rxns
5129-33c	NEXTflex™ Second Strand Synthesis Mix	1,000 rxns
5129-34	NEXTflex™ RNA-Seq End Repair Mix.	100 rxns

5129-34c	NEXTflex™ RNA-Seq End Repair Mix	1,000 rxns
5129-35	NEXTflex™ RNA-Seq Adenylation Mix	100 rxns
5129-35c	NEXTflex™ RNA-Seq Adenylation Mix	1,000 rxns
5129-36	NEXTflex™ RNA-Seq Ligation Mix	100 rxns
5129-36c	NEXTflex™ RNA-Seq Ligation Mix	1,000 rxns
5129-37	NEXTflex™ RNA-Seq PCR Master Mix	100 rxns
5129-37c	NEXTflex™ RNA-Seq PCR Master Mix	1,000 rxns