

NEXTflex™ Small RNA Sequencing Kits

产品特点:

- Up to 48 barcodes available for multiplexing
- Utilizes AIR™ Ligase a highly efficient truncated T4 RNA Ligase for greater sequencing depth
- Simplified workflow reduces hands-on time
- Flexible barcode options
- Barcoded PCR Primers for multiplexing contain embedded index sequence
- Automation-friendly workflow is compatible with liquid handlers
- Functionally validated with the Illumina GAIIX and HiSeq 2000 sequencing platforms

产品介绍:

The patent pending NEXTflex™ Small RNA Sequencing Kits provide an easy, flexible, cost-effective solution for generating single and multiplexed libraries from small RNA using Illumina GAIIX and HiSeq 2000 sequencing platforms. This kit contains a specialized 3' adenylated adapter that specifically ligates onto microRNAs and other small RNAs containing a 3' hydroxyl group. After adapter ligation and reverse transcription, libraries are amplified using a barcoded primer, allowing up to 48 samples to be multiplexed and sequence variations interrogated. The NEXTflex™ Small RNA Sequencing Kit incorporates AIR™ Ligase, an enhanced, truncated T4 RNA Ligase, which increases the efficiency with which small RNAs are tagged with adapter, giving greater sequence depth. The innovative NEXTflex adapter ligation technology that is incorporated into the NEXTflex Small RNA Sequencing Kit greatly reduces the adapter dimer band giving better quality and a higher number of sequence reads with less contamination from adapter dimer. Using a specialized RT primer and buffer strategy, 3' and 5' adapter dimers will no longer impede your research by taking up valuable sequencing reads.

The NEXTflex™ Small RNA Sequencing Kit on its own contains all the material to prepare 24 or 48 singleplex libraries. In combination with the NEXTflex™ Small RNA Barcode Primer kits, 48 samples can be profiled and studied simultaneously. In addition to small RNA sequencing, the kit is compatible with RIP-Seq and CLIP-Seq protocols.

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
5132-01	NEXTflex™ Small RNA Sequencing Kit	24 rxns
5132-02	NEXTflex™ Small RNA Sequencing Kit	48 rxns