

AIR™ Paired-End DNA Sequencing Kit

产品特点

- Paired-end sequencer-ready libraries from as low as 1 µg of DNA
- Includes all enzymes, adapters and clean-up columns required
- Read both forward and reverse template strands
- Single step blunt-end polishing
- Single day library construction
- Optimized for small and large DNA inserts
- Cost effective and flexible sequencing preparation
- Indexing/barcoding compatible

产品描述

The AIR™ Paired-End DNA Sequencing Kit is ideally suited for preparation of expression libraries that allow reads to be generated from both ends of the library template. The benefits of this include more sequence information, positional information when mapping to a reference genome and accurate alignments. The kit is designed for next-generation sequencing on Illumina platforms.

The AIR™ DNA Sequencing Kits offer significant improvements over the traditional library preparation methods, including their ability to produce high quality, unbiased, sequencer-ready libraries from as little as 1 µg of DNA. They are complete kits that include all enzymes, adapters and clean-up columns needed for library preparation, facilitating the user's ability to move from purified genomic DNA to cluster generation. Each kit has been functionally validated with the Illumina GAI and HiSeq 2000 sequencing platforms. These kits are designed for use in de novo sequencing and targeted re-sequencing applications.

DNA Fragmentation

Both the AIR™ Paired-End DNA and the AIR™ Genomic DNA Sequencing Kits are compatible with the AIR™ DNA Fragmentation Kit that provides a means for unbiased DNA fragmentation. These kits are also compatible with alternative DNA shearing technologies such as ultrasound and sonication.

Sample Multiplexing

AIR™ DNA Barcodes can be used to provide flexibility in high-throughput sequencing applications. They significantly increase scale and throughput while reducing costs by allowing the user to pool up to 96 multiple paired end library preparations into a single flow cell.

For larger volume requirements, customized and bulk packaging is available. contact info@sbsbio.com for further information.

Catalog#	Product Name	Quantity	Price
5137-01	AIR™ Paired-End DNA Sequencing Kit	10 rxns	Inquire
5137-02	AIR™ Paired-End DNA Sequencing Kit	40 rxns	Inquire