

# NEXTflex™ DNA Sequencing Kit compatible with the Biomek®

## 产品特点:

- Automation-friendly workflow is compatible with the Biomek® FXP liquid handler
- Enhanced Adapter Ligation Technology offers a larger number of unique sequencing reads
- Completely gel-free, library prep protocol available
- Flexible barcode options– kits containing 6, 12, 24, 48 or 96 unique barcodes
- Barcoded adapters for multiplexing contain embedded index sequence
- Bead-based cleanup protocol replaces columns
- Cost-effective library prep solution
- Functionally validated with Illumina GAIIX, HiSeq 2000 and MiSeq sequencing platforms

## 产品描述:

The NEXTflex™ DNA Sequencing Kit compatible with the Biomek® FXP is designed to prepare single, paired-end and multiplexed genomic DNA libraries for sequencing using Illumina® GAIIX, HiSeq 2000/1000 and MiSeq platforms. Library preparation is automated using the SPRIWorks HT protocol on the Beckman Coulter Biomek® FXP liquid handler.

There are five main steps involved in preparing genomic DNA for sequencing: DNA extraction, DNA fragmentation, DNA end repair, adapter ligation and PCR amplification. The NEXTflex™ DNA Sequencing Kit for Illumina® Compatible Libraries on Biomek® FXP contains the necessary components to prepare libraries from the user's purified and fragmented genomic DNA.

The NEXTflex DNA Sequencing Kit compatible with the Biomek® FXP features "Enhanced Adapter Ligation Technology" resulting in library preps with a larger number of unique sequencing reads. By making changes 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.

In addition, sets of 6, 12, 24, 48 or 96 unique adapter barcodes are available.

Catalog#	Product Name	Quantity
5140-41	NEXTflex™ DNA Sequencing Kit compatible with the Biomek® FXP	48 rxns
514101	NEXTflex™ DNA Barcodes - 6	48 rxns
514102	NEXTflex™ DNA Barcodes - 12	96 rxns
514103	NEXTflex™ DNA Barcodes - 24	192 rxns
514104	NEXTflex™ DNA Barcodes - 48	384 rxns
514106	NEXTflex-96™ DNA Barcodes	768 rxns in microfuge tubes
514105	NEXTflex-96™ DNA Barcodes	768 rxns in 96 well plate format