

# NEXTFLEX® RAPID DNA-SEQ KIT 2.0

DNA-SEQ · RNA-SEQ · BARCODES · METAGENOMICS · AMPLICON PANELS · TARGET CAPTURE · EPIGENETICS · SMALL RNA-SEQ

## A Robust, User-friendly Protocol that Produces Quality Sequencing-ready Libraries

For labs that routinely run DNA sequencing, PerkinElmer® has developed the NEXTFLEX® rapid DNA-seq kit 2.0 that boasts high yields of quality sequencing libraries from fragmented genomic DNA in the form of a convenient, all-inclusive kit that includes the library prep reagents, barcoded adapters, and cleanup beads. Labs have the option of multiplexing up to 384 samples using the NEXTFLEX-HT™ barcodes or up to 192 samples using the NEXTFLEX® unique dual index barcodes.

### KEY FEATURES

- Robust yields
- Quality sequencing data
  - » Genome coverage
  - » GC bias
  - » Mapping rate
  - » Mitigation of duplication rate
  - » PCR-free compatible workflow
- Low input, down to 1 ng, compatible workflow
- Automated on the Sciclone® G3 NGS workstation & Zephyr® G3 NGS Workstation

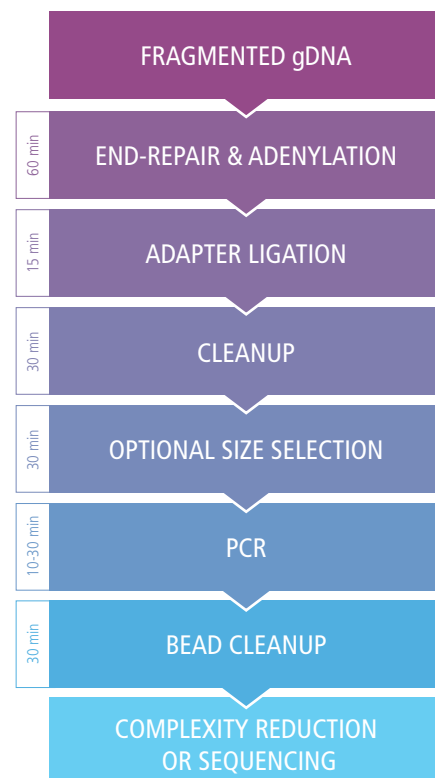


Figure 1. Simplified DNA-Seq Library Preparation Workflow.

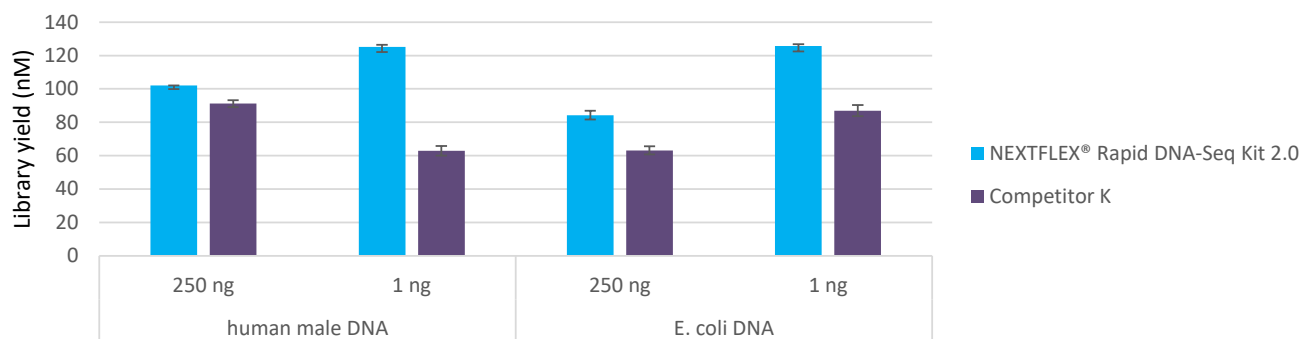


Figure 2. Libraries prepared with NEXTFLEX® rapid DNA-seq kit 2.0 show higher yield than libraries prepared with Competitor K's kit.

## Reduced GC Bias & Higher Genome Coverage

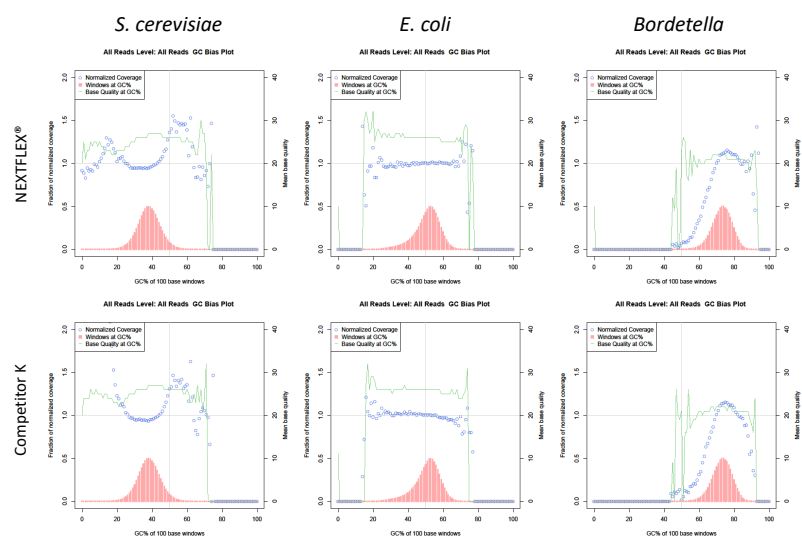
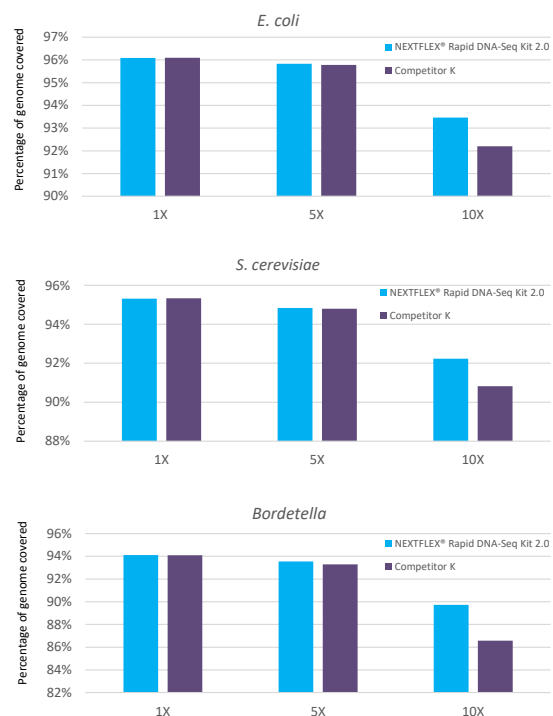


Figure 3. Small genome libraries prepared with the NEXTFLEX® rapid DNA-seq kit 2.0 show less GC bias and higher genome coverage than libraries prepared with Competitor K's kit.



## ORDERING INFORMATION

Catalog #	Kit Name	Quantity
NOVA-5188-01	NEXTFLEX® Rapid DNA-Seq Kit 2.0	8 rxn
NOVA-5188-02	NEXTFLEX® Rapid DNA-Seq Kit 2.0	48 rxn
NOVA-5188-03	NEXTFLEX® Rapid DNA-Seq Kit 2.0	96 rxn
NOVA-5188-11	NEXTFLEX® Rapid DNA-Seq Kit 2.0 (with NEXTFLEX-HT™ barcodes)	8 rxn
NOVA-5188-12	NEXTFLEX® Rapid DNA-Seq Kit 2.0 (with NEXTFLEX-HT™ barcodes)	48 rxn
NOVA-5188-13	NEXTFLEX® Rapid DNA-Seq Kit 2.0 (with NEXTFLEX-HT™ barcodes)	96 rxn

Bioo Scientific, a PerkinElmer company  
 7050 Burleson Rd.  
 Austin, TX 78744 USA  
 P: (888) 208-2246 or  
 (+1) 512-707-8993  
[www.BiooNGS.com](http://www.BiooNGS.com)

**BIOO SCIENTIFIC**  
 a PerkinElmer company

For a complete listing of our global offices, visit [www.perkinelmer.com/ContactUs](http://www.perkinelmer.com/ContactUs)

Copyright © 2018, PerkinElmer, Inc. All rights reserved. PerkinElmer® is a registered trademark of PerkinElmer, Inc. All other trademarks are the property of their respective owners.