

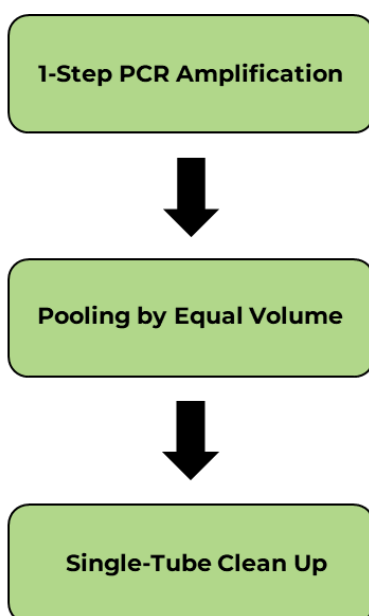
Reach Higher with Full-Length 16S



The **Quick-16S™ Full-Length Library Prep Kit** delivers pooled and purified libraries ready for downstream sequencing on PacBio & Oxford Nanopore sequencing platforms in as little as 30 minutes of hands-on time. Available in four uniquely barcoded formats, 96-well premixed reagent plates allow users to simply add DNA and amplify up to 384 uniquely barcoded samples.

- ✓ **Speed** – DNA to pooled libraries in 30 minutes of hands-on time
- ✓ **Simplicity** – One-step PCR with premixed amplification plate, just add DNA
- ✓ **Flexibility** – Compatible with both PacBio and Oxford Nanopore Technologies

Streamlined Workflow



Total hands-on time for 96 DNA samples: **30 mins**

Reliable Read Distribution

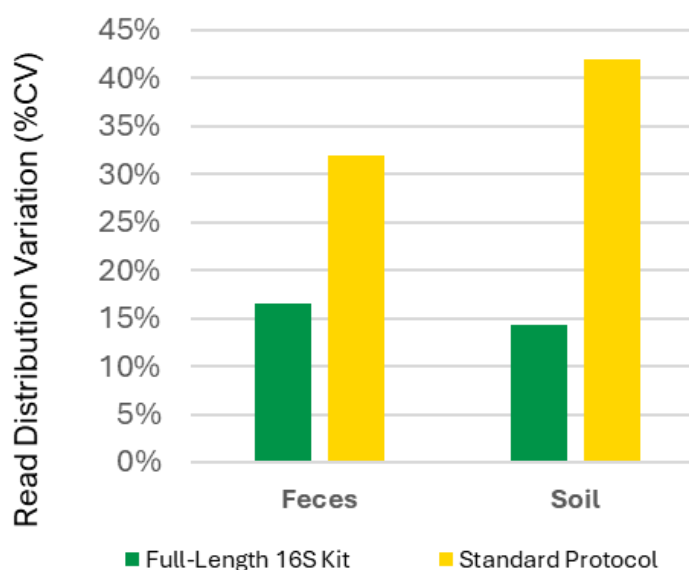


Figure 1. The Quick-16S™ Full-Length Library Prep Kit provides more consistent read distribution (~15% CV) across common sample types compared to the standard PacBio® Full-Length 16S Protocol.



Premixed reagents allow users to simply add DNA and amplify



qPCR compatibility enables easy QC and sample monitoring



Optimized reagents allow room temperature PCR setup

Maximize Readcounts Using PacBio Kinnex™

Innovative primer design allows pooled libraries to be processed using either the Kinnex™ 16S rRNA Kit, or the traditional SMRTbell® Prep Kit 3.0 before sequencing on PacBio® platforms.

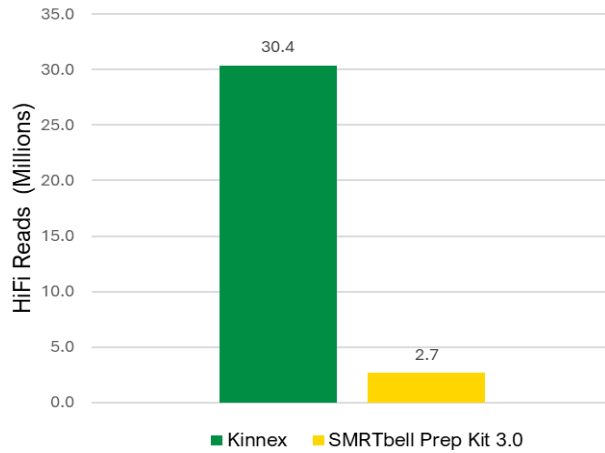


Figure 2. Kinnex™ 16S rRNA Kit vs. SMRTbell® Prep Kit 3.0 HiFi Reads. Concatenated amplicon sequencing via the Kinnex™ 16S rRNA kit demonstrates approximately 11-fold increase in HiFi reads generated, compared to single 16S gene sequencing.

Accurate Microbial Profiling

Each Quick-16S™ Full-Length Library Prep Kit includes our ZymoBIOMICS® Microbial Community DNA Standard, which contains the extracted, quantified, and homogenized DNA of 8 organisms serving as a mock community.

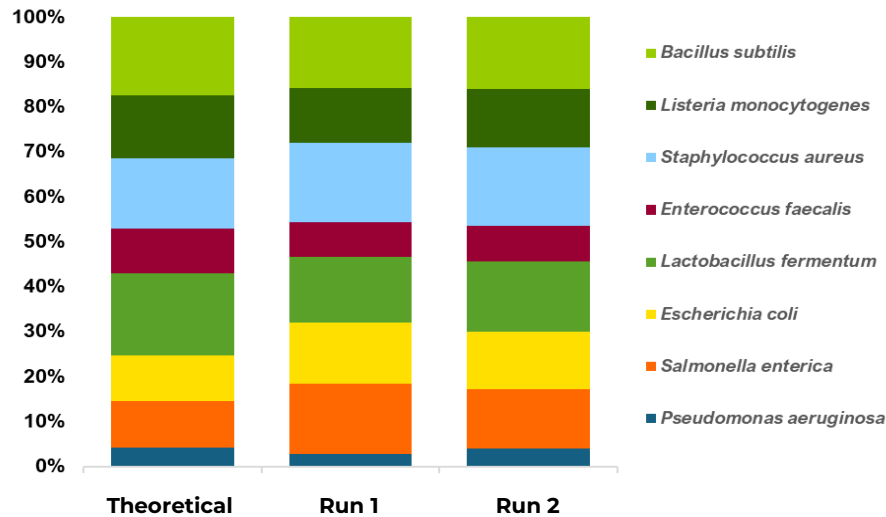


Figure 3. Accurate profiling of ZymoBIOMICS® Microbial Community DNA Standard. Full-length 16S rRNA gene sequencing profiles accurately reflect the theoretical composition of the ZymoBIOMICS® Microbial Community DNA Standard, demonstrating little amplification bias based on microbial genomic G/C content.



Scan the QR code to visit the product page and order your kit now!

Product	Cat. No	Size/Format
Quick-16S™ Full-Length Library Prep Kit	D6450-PS1	96 rxns. / Primer Set 1
	D6450-PS2	96 rxns. / Primer Set 2
	D6450-PS3	96 rxns. / Primer Set 3
	D6450-PS4	96 rxns. / Primer Set 4



info@zymoresearch.com



www.zymoresearch.com



Toll Free: (888) 882-9682