

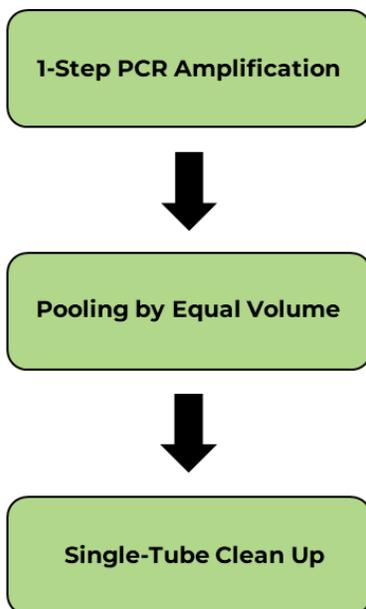
# Reach Higher with Full-Length 16S



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.

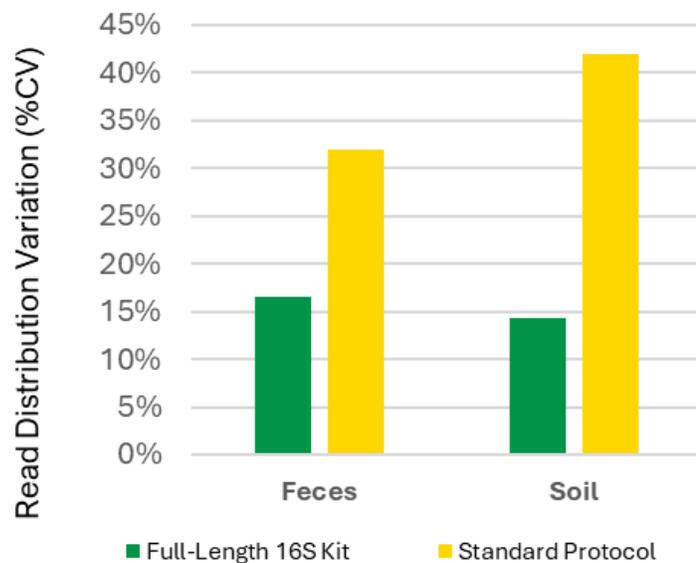
- ✓ **Speed** – DNA to pooled libraries in 30 minutes of hands-on time
- ✓ **Simplicity** – One-step PCR with premixed amplification plate, just add DNA
- ✓ **Flexibility** – Compatible with both PacBio and Oxford Nanopore Technologies

## 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



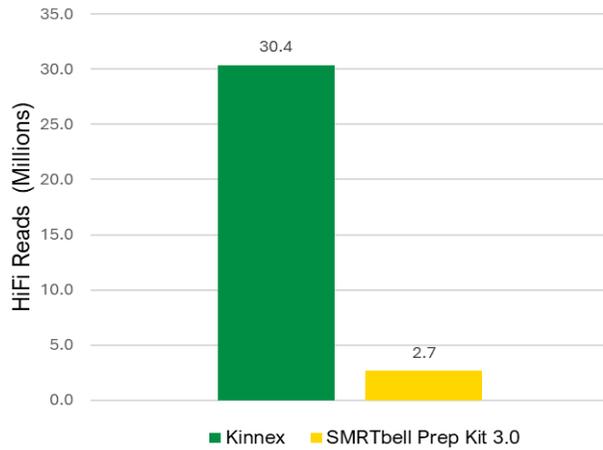
qPCR compatibility enables easy QC and sample monitoring



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.

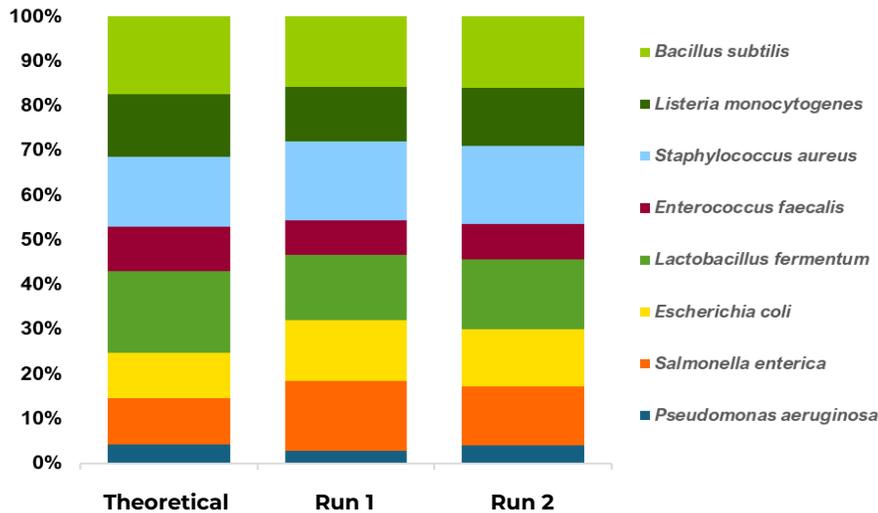


**Figure 2. Kinnex™ 16S rRNA Kit vs. SMRTbell® Prep Kit 3.0 HiFi Reads.**

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