

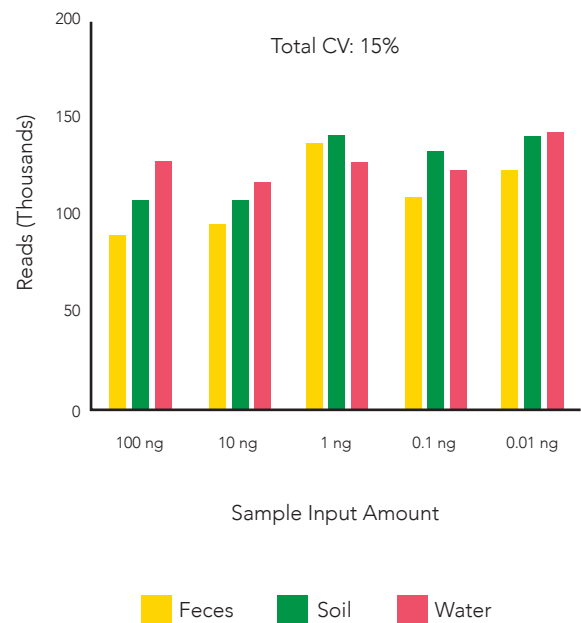
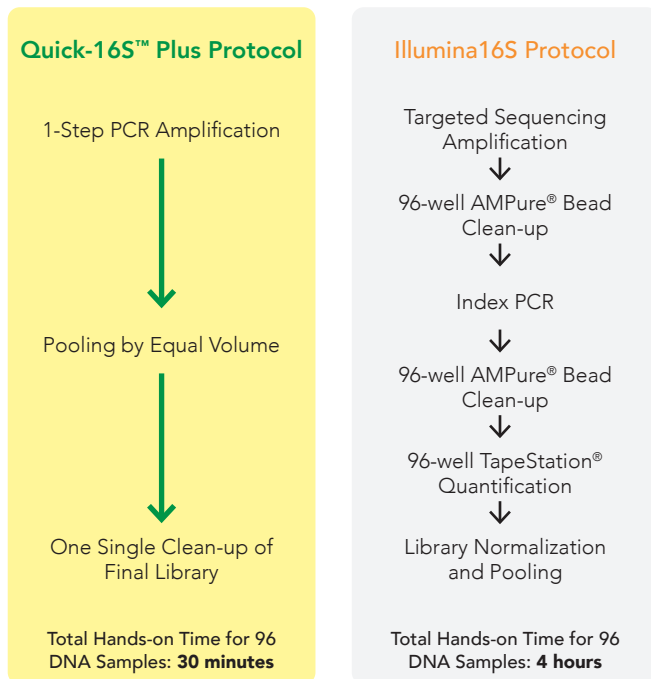
The Easiest 16S Library Prep Ever

Quick-16S™ Plus NGS Library Prep Kit (V3-V4)

- The most streamlined NGS kit with only 30 minutes of hands-on time for 96 samples.
- 100% automation ready with only a single PCR step and no normalization needed.
- Real-time PCR enables absolute microbial copy number quantification.

Fastest 16S Workflow

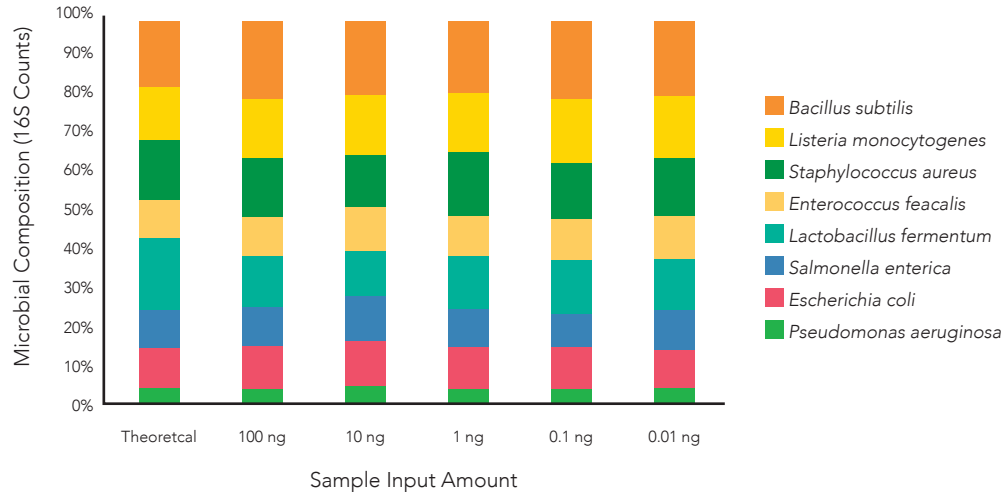
Normalization Free



The Quick-16S™ Plus workflow versus the Illumina® 16S Protocol. Total hands-on time calculations are based on the preparation of 96 DNA samples.

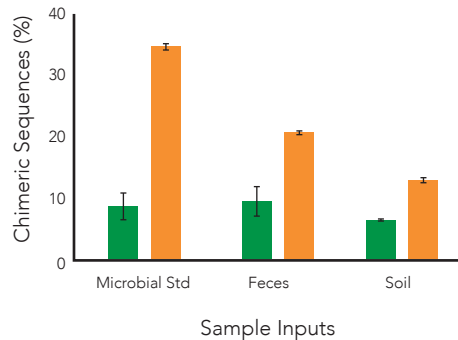
The Quick-16S™ Plus NGS Library Prep Kit (V3-V4) results in similar amounts of reads across different input amounts. 0.01-100 ng fecal, soil, and water DNA were used as inputs. Libraries were pooled by equal volumes (2 µl each) without further normalization and sequenced using MiSeq® Reagent Kit v3 (600-cycle). The CV (coefficient of variation) is the ratio of the standard deviation to the mean with lower values corresponding to less dispersion around the mean.

High Quality NGS Library



Benchmarked performance with the ZymoBIOMICS™ Microbial Community DNA Standard. Microbial composition profiles are accurate from 100 ng down to 0.01 ng using the ZymoBIOMICS™ Microbial Community DNA Standard.

Reduce PCR Chimera Formation



Up to 70% chimera reduction without controlling PCR cycles. Equal amounts of ZymoBIOMICS™ Microbial Community DNA Standard, fecal, and soil were used as inputs and amplified for 42 cycles using 1-step PCR and Equalase™ compared to using the Illumina® 16S Protocol. Chimeric sequences were predicted with UCHIME (<https://www.drive5.com/uchime>).

■ Zymo Research Protocol ■ Illumina 16S Protocol