

## Scale up + stay ahead with HiFi prep kits

PacBio® HiFi prep kits offer scalable library prep solutions for projects and genomes of all sizes. Maximize your sequencing on the Revio™ system by preparing up to 96 libraries at a time with flexible, automated workflows including DNA shearing and size selection. Now is the time to do more with long reads using the new family of HiFi prep kits.

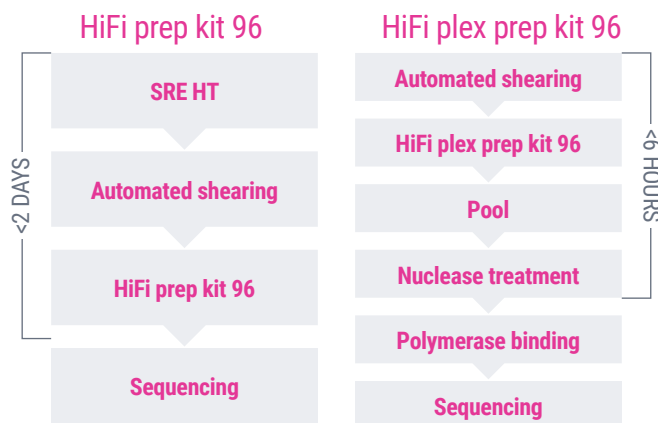
### HiFi prep kits

**HiFi prep kit 96:** 24–96 SMRTbell® libraries using only 2 µg of DNA per sample. Ideal for human, plant, and animal WGS applications.

**HiFi plex prep kit 96:** 24–96 multiplexed SMRTbell libraries from 50–300 ng of gDNA per sample or 20–250 ng per amplicon. Ideal for microbial, metagenomic, targeted, or low coverage WGS applications.



### Workflow steps



## Break the library prep bottleneck

- Flexible high-throughput DNA shearing options that take only minutes at a fraction of the cost of traditional mechanical methods.
- End-to-end automation options that go from DNA to sequence-ready libraries at **60% less time and 40% lower cost**.
- No need for gels again with streamlined and automated short fragment depletion using a new SRE HT kit.
- 384 SMRTbell adapter indexes enabling up to 1536 samples per Revio run.
- Prepare 96 microbial libraries in under 6 hours.

### Sequencing performance on the Revio system

	HiFi prep kit 96	HiFi plex prep kit 96
HiFi reads	6.1 M	7.3 M
HiFi reads yield	101.22 Gb	87.64 Gb
HiFi read length N50	18,016 bp	14,033 bp
HiFi read quality (median)	Q34	Q40
Base quality ≥Q30	92.78%	94.57%

Sequencing performance metrics for libraries prepared with the HiFi prep kits. Libraries were prepared from an HG002 sample with the HiFi prep kit 96 and from a diverse set of 96 customer microbial isolate samples with the HiFi plex prep kit 96. All samples were sheared on the Hamilton Nanobind, SBB, Revio, Onso, Apton, Kinnex, and PureTarget are trademarks of PacBio.



Learn more: [pacb.com/wgs](https://pacb.com/wgs)

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