

Research &
Pharma Solutions

Long-Read Sequencing Products available at CeGaT



Sequence Your Samples with PacBio's Long-Read Sequencing

With PacBio's single-molecule real-time (SMRT) sequencing technology, highly accurate long reads are generated by circularizing the target DNA. The circularized DNA is then loaded on PacBio's SMRT® cell sequencing chip that contains millions of wells called zero-mode waveguides (ZMWs). Single DNA molecules are immobilized in these wells, and the polymerase incorporates labeled nucleotides. The nucleotide incorporation is measured in real time by detecting the emitted light. When sequencing in circular consensus mode (CCS), highly accurate long reads (HiFi) are generated as the same DNA molecule is sequenced multiple times.

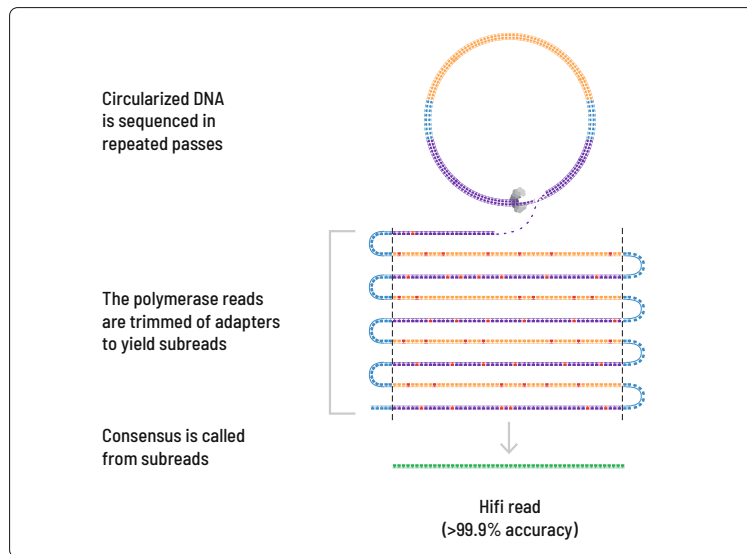


Image courtesy of PacBio

We offer multiple products featuring PacBio's long-read sequencing technology:

HiFi Whole Genome Sequencing

- Available for diverse species
- Read length up to 18 kb
- Multiple bioinformatic analyses available

HiFi Whole Genome Methylation

- Available for human samples
- Read length up to 18 kb
- Multiple bioinformatic analyses available

HiFi Panel Sequencing

- Available for human samples
- Long-read PGX Panel (49 genes)
- Dark Genes Panel (389 genes)

Full-length 16S Sequencing

- Available for bacterial samples
- Complete sequencing of the 16S rRNA gene
- Taxonomic classification

Are you interested in any of our Long-Read Sequencing products?
Contact us at rps@cegat.com to discuss the scope of your project.

Want to Discover More?
We invite you to take a look at our website.
www.cegat.com/research-pharma-solutions





About Us

CeGaT was founded in 2009 in Tübingen, Germany. Our scientists are specialized in next-generation sequencing (NGS) for genetic diagnostics, and we also provide a variety of sequencing services for research purposes and pharma solutions. Our sequencing service portfolio is complemented by analyses suited for microbiome, immunology, and translational oncology studies.

Our dedicated project management team of scientists and bio-informaticians works closely with you to develop the best strategy to realize your project. Depending on its scope, we select the most suitable library preparation and conditions on our sequencing platforms.

**We would be pleased to provide you with our excellent service.
Contact us today to start planning your next project.**



Accredited by DAKKS according to
DIN EN ISO/IEC 17025:2018



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