

What Can You Do with One SMRT Cell?

Generate Highly Accurate Long-Read Sequencing Data You Can Trust



With PacBio® Single Molecule, Real-Time (SMRT®) Sequencing on the Sequel® II System you can characterize whole genomes and transcriptomes with just one SMRT Cell. Explore our applications and pricing to get your sequencing project started.



Affordable Pricing

With the Sequel II System and the SMRT Cell 8M you gain unparalleled sequencing power for:

~\$1,000/SMRT CELL

Efficient Workflows



LIBRARY PREP

1 DAY



SMRT SEQUENCING

1 DAY



DATA ANALYSIS

1 DAY

SMRT Sequencing Applications		Number of SMRT Cells 8M*	PacBio Consumable Estimated Costs (US List Price)†
<p>WHOLE GENOME SEQUENCING</p>	De Novo Assembly: Produce reference-quality assemblies for genomes up to 2 Gb	1	\$1300/sample
	Microbial De Novo Assembly: Generate reference-quality assemblies for up to 48 microbial isolates	1	\$70/sample
	Variant Detection: Call single nucleotide, indel, and structural variants in a ~3 Gb genome	2	\$2600/sample
	Structural Variant Detection: Call structural variants for up to 2 samples with ~3 Gb genomes	1	\$670/sample
<p>RNA SEQUENCING</p>	Whole Transcriptome: Characterize alternative splicing with full-length transcripts	1	\$1300/sample
	Genome Annotation: Sequence full-length transcripts and multiplex up to 8 tissues	1	\$185/tissue
<p>TARGETED SEQUENCING</p>	Amplicon Sequencing: Detect variation in specific regions by multiplexing	1	\$1-4/sample
	No-Amp Sequencing: Enrich hard-to-amplify targets and multiplex up to 10 samples	1	\$120/sample
<p>COMPLEX POPULATIONS</p>	Full-length 16S: Gain strain-level resolution by multiplexing up to 96 samples	1	\$30/sample
	Metagenomic Functional Profiling: Examine up to 3 low-complexity samples with multiplexing	1	\$450/sample
	Shotgun Metagenomic Assembly: Generate near-complete assemblies of high-complexity samples (e.g. gut microbiome)	1	\$1300/sample

*Study design, sample type, and level of multiplexing may affect the number of SMRT Cells 8M required. †All prices are listed in USD and cost may vary by region. Pricing includes library and sequencing reagents run on your Sequel II System and does not include instrument amortization or other reagents.

Interested in Running Your Project at a Service Provider?

There are many PacBio service providers worldwide, which offer services beyond sequencing including library preparation and bioinformatics analysis. Typical rates at service providers are 2- to 4-fold higher than list price.

Find a Certified Service Provider at pacb.com/CSP

Connect with PacBio for Additional Information

North America: nasales@pacb.com | South America: sasales@pacb.com | Europe/Middle East/Africa: emea@pacb.com | Asia Pacific: apsales@pacb.com

Learn more about application-specific workflows at pacb.com/applications