

SEQUEL IIE SYSTEM

Sequencing evolved

Unlock your next great discovery with HiFi sequencing and the Sequel[®] IIE system

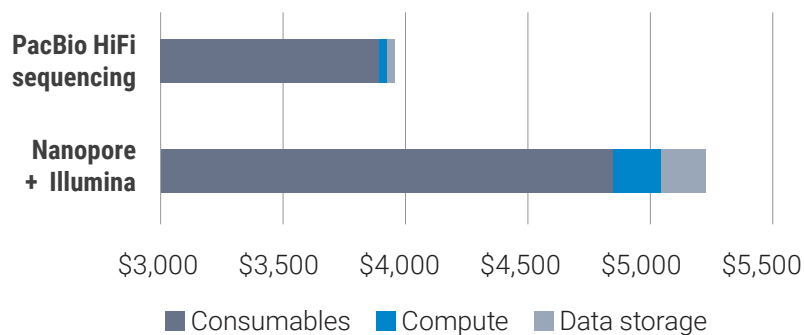
Based on the proven performance of the award-winning Sequel II system, the Sequel IIE system delivers:

- Direct access to the only highly accurate long reads: PacBio[®] HiFi reads
- Deeper biological insights, less data processing, and faster results thanks to the unmatched clarity of HiFi reads
- Reliable and affordable high-throughput sequencing for a broad range of applications

Key benefits of the Sequel IIE system

- **Better data** for superior results with lower coverage, from a single technology
- **Less time** spent on data processing and analysis for faster answers
- **Cost savings** at every step of your sequencing pipeline

Overall costs for sequencing a human genome



Human genome assembly quality metrics

	Nanopore + Illumina	PacBio HiFi sequencing
Contiguity (N50)	32.3 Mb	98.7 Mb
Correctness (quality score)	Q34	Q51
Completeness (genome size)	2.8 Gb	3.1 Gb

Overall costs and quality metrics from the assembly of a human genome (HG002) with 30-fold PacBio HiFi read coverage or 60-fold Nanopore + Illumina coverage are shown. For details, contact your local sales team.



HIFI SEQUENCING AND THE SEQUEL IIE SYSTEM

Delivering insights to all life scientists



Your questions

Use our end-to-end solutions, from sample through analysis



Highly accurate long-read sequencing

Rapidly get the most valuable and informative sequencing data available



Flexible compute options

Spend less on compute infrastructure or use a cloud-based platform



Sequencing data you can trust for advanced biological insights

Build your discoveries on a lasting foundation with HiFi sequencing

“If your genome isn’t HiFi, it’s no longer reference grade.”

Kevin McKernan,
Medicinal Genomics

Researchers	Core labs	Industry
Easy-to-generate and understand data for rapid interpretation	Unparalleled sequencing, bioinformatics, and engineering support	Efficient workflows and high uptimes to maximize productivity



Run your project with a PacBio certified service provider: pacb.com/CSP



Connect with PacBio for more info:
North America: nasales@pacb.com
South America: sasales@pacb.com
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Learn about HiFi sequencing and the Sequel IIE system: pacb.com/sequel