HiFi sequencing applications

Gain comprehensive views of genomes, transcriptomes, and epigenomes.



Whole genome sequencing

Sequence and assemble complete, reference-quality genomes and phase haplotypes



Variant detection

Call all variants — single nucleotide, indel, and structural variants — with high precision and recall

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RNA sequencing

Characterize isoforms with direct sequencing of full-length transcripts no assembly required



Targeted sequencing

Focus on variation in even the most difficult regions of the genome



Metagenomics

Resolve closely related sequences within a heterogeneous mixture



Epigenetics

Directly detect DNA modifications during sequencing

READY TO GET STARTED WITH HIFI SEQUENCING?

Products and services pacb.com/products Documentation pacb.com/documentation Application workflows pacb.com/applications

Publications pacb.com/pubs





Sequel Ile system (101-986-400) Nanobind CBB big DNA kit (NB-900-001-01) SMRTbell prep kit 3.0 (102-182-700) Binding kit 3.2 and cleanup beads (102-333-300) Sequel II sequencing kit 2.0 (101-820-200) SMRT cell 8M tray (101-389-001)

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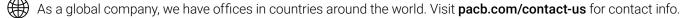
Instrument operating environment

Power requirements	208–240 VAC, 30A. UPS recommended
Operating temperature	19–25°C (66.2–77°F) ±2°C per hour
Humidity	20–80%, noncondensing
Ventilation	HVAC capacity of up to 13,956 BTU (4090 watts)
Nitrogen	50 psi (2,585 torr)
W×D×H	36.5 × 34 x 66 in (92.7 × 86.4 × 167.6 cm)
Weight	798 lb (362 kg)

Headquarters 1305 O'Brien Drive Menlo Park, CA 94025 United States

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Customer service 1.877.920.PACB (7222); option 1 Fax: 1.650.618.2699 orders@pacb.com Technical support 1.877.920.PACB (7222); option 2 support@pacb.com



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