

Sequel[®] System

The Premier Solution for Long-Read Sequencing

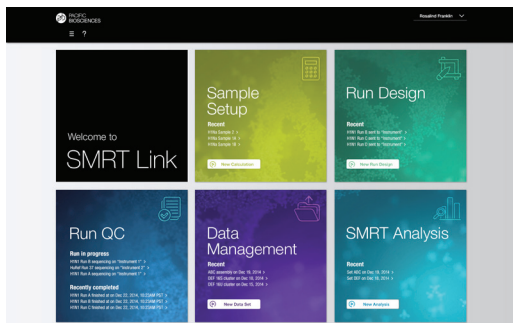


GAIN A COMPREHENSIVE VIEW OF GENOMES, TRANSCRIPTOMES, AND EPIGENOMES

- Create high-quality whole genome **de novo** assemblies of eukaryotic organisms
- Survey large population cohorts and resolve structural variants
- Read full-length transcripts to characterize isoform diversity
- Target all variant types across relevant genomic regions
- Detect epigenetic modifications simultaneously



THE SEQUEL SYSTEM, POWERED BY SINGLE MOLECULE, REAL-TIME (SMRT) TECHNOLOGY, DELIVERS LONG READS, HIGH CONSENSUS ACCURACY, UNIFORM COVERAGE AND EPIGENETIC CHARACTERIZATION



SMRT LINK

- Integrated end-to-end workflow from sample setup to experimental results
- Real-time monitoring across multiple instruments
- Data management and user access control



SMRT CONSUMABLES

- Sample-to-sequencing in a day
- Cost-effective, scalable workflows
- Flexible protocols support a variety of sample types and insert sizes



EASY-TO-USE ANALYTICAL SOFTWARE

- Graphical and command-line user interfaces
- Comprehensive APIs for easy integration
- Utilization of industry-standard formats
- Ongoing application development through PacBio DevNet community

INSTRUMENT OPERATING ENVIRONMENT

Power requirements: 208 - 240 VAC, 30A. UPS recommended

Operating Temperature: 19°C - 25°C (66.2°F - 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)

WxDxH: 36.5 in x 34 in x 66 in, 92.7 x 86.4 x 167.6 cm

Weight: 780 lb (354 kg)

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