

HIFI SEQUENCING WITH THE VEGA BENCHTOP SYSTEM FOR BIOPHARMA RESEARCH

The PacBio® Vega™ system provides access to affordable HiFi long-read sequencing with a streamlined end-to-end workflow from sample prep to analysis

Many applications in the drug discovery and development process benefit from highly accurate long reads. With the Vega benchtop long-read system, users can apply these highly accurate long reads to applications like AAV genome characterization, on- and off-target gene editing assessment, scFv antibody development, mRNA vaccine critical quality attribute measurement, insertion site analysis, plasmid sequencing, and cell line characterization.

With the release of SPRQ™-Nx chemistry on Vega, support for 21 CFR Part 11 compliance is now available, helping bridge the transition from research to regulated laboratory settings, including those operating under GMP. Accelerate your discovery and development by bringing HiFi sequencing in house, and save time and resources as compared to external service providers.



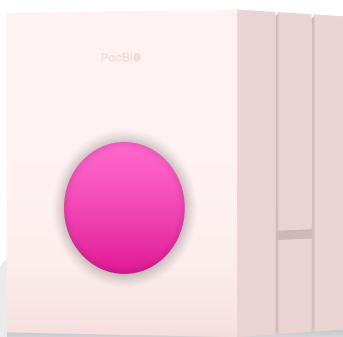
RICH MULTIOMIC DATA

5mC, 5hmC and 6mA
detection in every run

SPRQ-Nx

SPRQ-Nx CHEMISTRY

4× lower
DNA input (500ng)



SMALL SIZE, BIG OUTPUT

Up to 90 Gb per
sequencing run



SINGLE-SHIFT SEQUENCING RUNS

4 hours or less for
0.5-2 kb inserts



INCREASED DATA INTEGRITY

Enabled for 21 CFR Part 11
compliance

Sequence your way, in house

Full control over workflow
and faster turnaround time
than sending to external
service providers

Accessible HiFi long reads

Benchtop size and
affordable pricing to fit
any budget and lab size

Path into regulated environments

Vega enables 21 CFR Part 11
compliance to help with
validation and compliance
activities

More powerful than ever

SPRQ-Nx chemistry
provides higher output per
sequencing run at lower
input requirements



To learn more, visit the [biopharma](#) or [Vega](#) webpages, download the [Biopharma brochure](#), or connect with a [PacBio scientist](#) to get started.

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