

Nanopore Genetic Sequencer G400-ER

Breakthrough Throughput | Empowering Genomic Discovery



For Research Use Only

Sequence More, Discover More

The G400-ER nanopore genetic sequencer, a self-developed product based on the CycloneSEQ platform, integrates a high-throughput and high-density flow cell. This instrument combines long read lengths, high data output, and real-time sequencing capabilities, enabling efficient and precise analysis of complex genomes while simultaneously detecting base modifications. It supports diverse applications including whole-genome resequencing, *de novo* genome assembly, full-length transcriptome sequencing, and epigenomic sequencing, ensuring accuracy across the entire genomic research spectrum.

~3.50 kg



✦ High-Density Flow Cell

✦ Efficient Long Reading

✦ Sequencing at Will

Number of Nanopore Proteins

30,000+/Flow Cell

Maximum Throughput/Flow Cell
(in Real Laboratory Experiments)

≥ 300 Gb[▲]

[▲] Designed throughput is 400 Gb

Sequencing Acquisition Time

Real-time

Application Infinity, Efficiency Redefined

Plasmid sequencing

Targeted disease detection

Microbial genome research

Amplicon microbial detection

Small-genome research

Bulk full-length transcriptome sequencing

✦ Whole-genome resequencing

✦ Genome assembly

✦ Metagenomics sequencing

✦ Single-cell full-length transcriptome sequencing

✦ Methylation sequencing

✦ Chromatin interaction detection



Order Information

Product Name	Model	Specification	Cat. No
Nanopore Genetic Sequencer	G400-ER	CycloneSEQ (Sequencer)	H900-000033
Nanopore Genetic Sequencer Bundle 2	G400-ER	CycloneSEQ (Sequencer+Workstation+Keyboard & Mouse+Display Screen)	H900-000035
CycloneSEQ G400-ER Sequencing Flow Cell	G400-ER-FC	1 pcs/set	H930-000017
CycloneSEQ G400-ER Sequencing Kit	G400-ER-SK	6 T	H940-000055
CycloneSEQ G400-ER Flow Cell Wash Kit	G400-ER-WK	6 T	H940-000056
CycloneSEQ Universal Library Prep Set	/	24 RXN	H940-000013
CycloneSEQ 24 Barcode Library Prep Set	/	4 RXN	H940-000018

Manufacturer

BGI Hangzhou CycloneSEQ Technology Co., Ltd.

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