

Breaking the Barriers in Sequencing Speed



Fast

Up to 48 Gb of data in less than 12 hours



Flexible

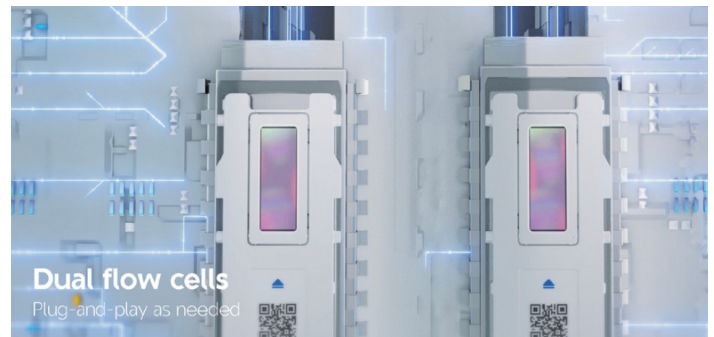
Run 2 flow cells independently at any time



Easy to Use

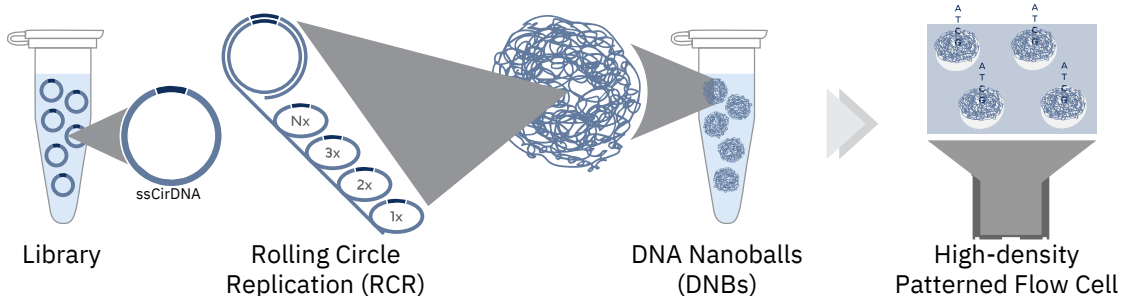
Preloaded cartridges minimize human errors

DNBSEQ-G99 is the fastest sequencer ever created—offering low- to mid-range throughput making it a superior option for targeted gene and small genome sequencing research. The G99 adopts a triangular configuration on the patterned array, reaching a higher density of DNBs and resulting in higher data output—up to 48 Gb per run in less than 12 hours. Additionally, equipped with a proprietary high-resolution objective lens and high-precision temperature control system, the run time for PE150 sequencing is exceptionally fast—within 12 hours. Informative preliminary reports are even available within the first 2.5 hours during PE100 or PE150 sequencing runs.



Proprietary DNBSEQ™ Technology

- No clonal error
- No index hopping
- Low duplication rate



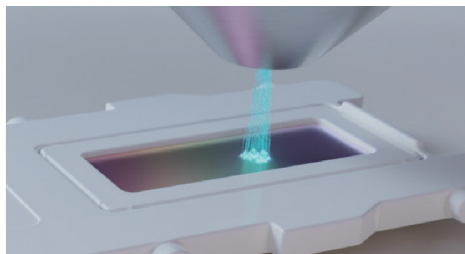
For Research Use Only. Not for use in diagnostic procedures.

DNBSEQ-G99 Genetic Sequencer



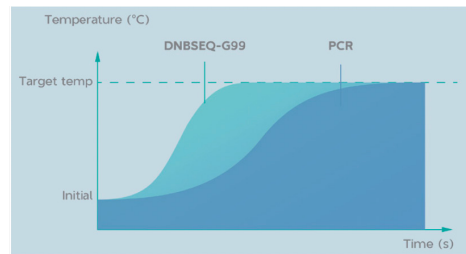
High Density Patterned Array

- Triangular configuration
- 600 nm pitch
- Load 68% more DNBs



Beyond the optical diffraction limit

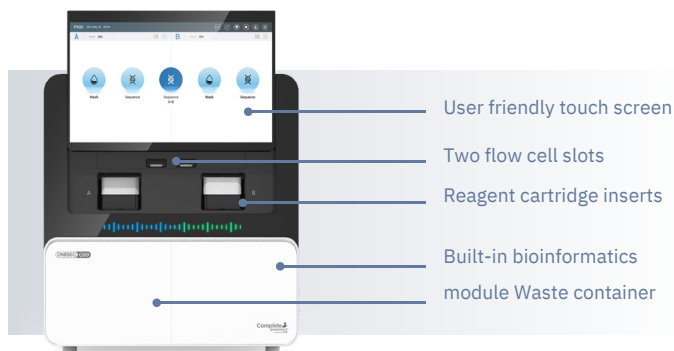
- Ultra-high resolution objective lens
- Smaller scan area captures signals more efficiently



Efficient Temperature control

- 7°C/s for heating and cooling
- 2x faster than conventional PCR

DNBSEQ-G99 also comes with an advanced model including a built-in bioinformatics module, which provides secondary analysis and can begin the analysis automatically after the sequencing run. This facilitates a tremendously efficient and simple workflow, thus accelerating genomic sequencing to advance life science globally.



Performance Parameters

# of Flow Cells	Reads	Read Length*	Data Output	Run Time**	Q30
2	80M	SE100/PE50	8-16 Gb	5 hr	>90%
		PE150	24-48 Gb	12 hr	>85%
		APP-C SE100***	8-16 Gb	5 hr	>90%
		APP-C PE150***	24-48 Gb	12 hr	>85%

* SE400/PE300 are coming soon

** Includes FASTQ generation time

*** Compatible with Illumina's Nextera and TruSeq libraries

Your Data Security is Our Top Priority

All our sequencing platforms can work as standalone systems, from sample to result, without a network connection. As a result, there is no data breach risk, and you can be assured your data is secure.



Your Authorized Canadian Contact:

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1.800.784.7485

Disclaimer: Unless otherwise informed, this StandardMPS sequencing reagent is not available in Germany, UK, Sweden, and Switzerland.

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