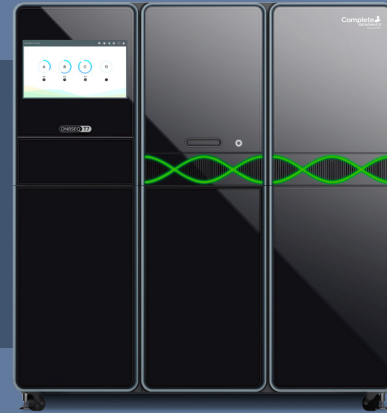


Discover the \$150 Genome



Accessible

\$150 or \$1.5/Gb per genome



Flexible

Run 4 independent flow cells

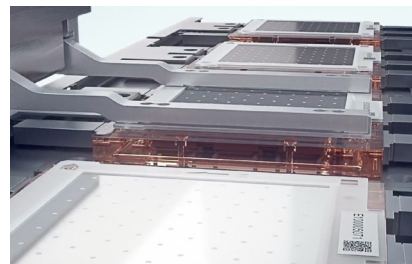


Ultra-high Throughput

7 Tb data (or 60 WGS) in 24 hours

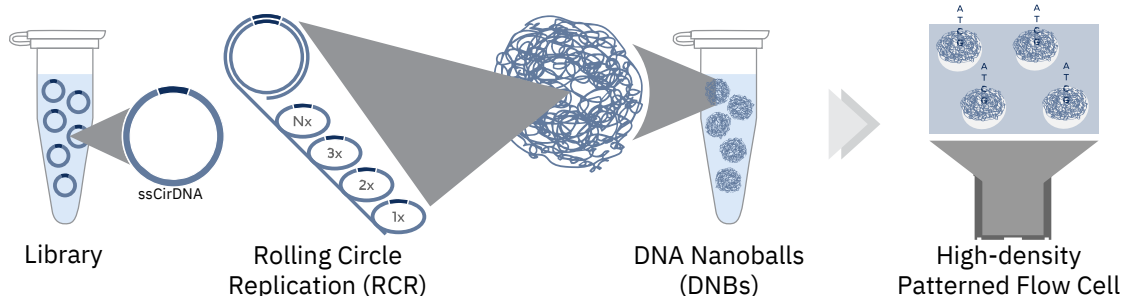
DNBSEQ-T7 optimizes the efficiency and productivity of whole genome, deep exome, epigenome, transcriptome, single-cell omics, spatial omics, and other large sequencing projects. With the ability to generate >20,000 30x whole genomes in 1 year (60 genomes per day) at an affordable \$150 per genome, T7 provides high-quality data at unparalleled speed. The T7 offers unmatched flexibility with 4 independent flow cells, empowering you to run them at any time based on your needs, unlike other high-throughput sequencers requiring batching large number of samples before runs.

T7 DNB Loader is a small device that loads DNBS onto a flow cell. It can load up to 2 flow cells in less than 2 hours.



Proprietary DNBSEQ™ Technology

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



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

Performance Parameters

# Flow Cell	Reads	Read Length	Data Output	Run Time*	Q30
1-4	5800M	PE100	1 - 5 Tb	16 hr (1 FC) 18 hr (4 FC)	>85%
		PE150	1.7 - 7 Tb	22 hr (1 FC) 24 hr (4 FC)	>85%

* Run time includes flow cell loading, sequencing, and data output in .cal file.

1 FC= 1 flow cell. 4 FC= 4 flow cells.

Instrument Specifications

Model	DNBSEQ-T7	
Dimensions / Net Weight	65 in x 35.6 in x 71.5 in	1687lbs (765 Kg)
Power	Type	200-240 V, 50/60 Hz, 30 A
	Rated Power	3000 VA
Operating Environment Requirements	Temperature	19-25 °C, <2 °C change per hour
	Relative Humidity	30%RH - 80%RH, non-condensing
	Atmospheric Pressure	80 kPa - 106 kPa
	Waterproof Rating	IPX0
	Altitude	<2000 meters
Floor Bearing Capacity	≥ 650 Kg/m ²	
Control Computer Configurations	CPU	Intel CORE I7-7700 4Core x2 3.6GHz
	Internal Storage	16 Gb RAM
	HDD	1 Tb
	SSD	128 Gb
	Operating System	Windows 10
Bandwidth for Network Connection	300 MB/s	For local storage network uploads
	1000 MB/s	For FASTQ computing uploads

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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 www.dmarkbio.com

 orders@dmarkbio.com

 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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