

Meet the NGS Workhorse



Accurate

No clonal errors or index hopping—resulting in >99% SNP/indel precision and sensitivity



Versatile

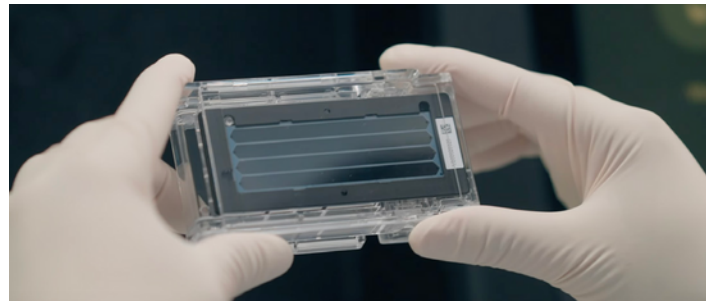
Multiple read lengths, from SE50 up to SE400 or PE300, generating 55-1440 GB of data per run



Flexible

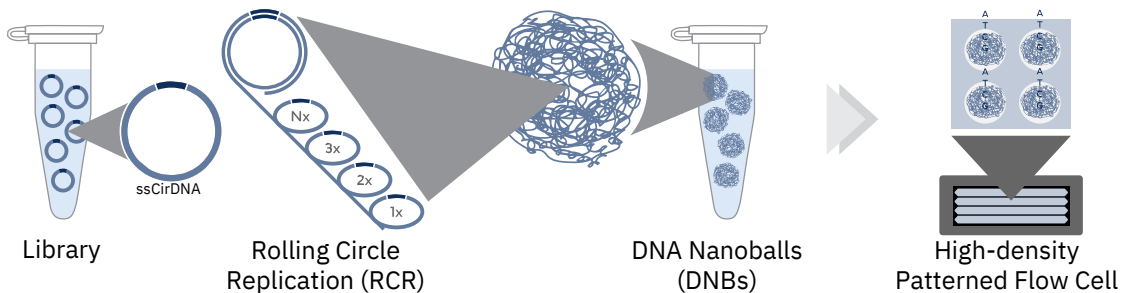
2 types of flow cells, offering 300M, 550M, and 1800M reads

DNBSEQ-G400 offers unparalleled accuracy, maximum versatility, and major flexibility to deliver seamless execution for diverse applications in one system. The G400 provides a comprehensive range of sequencing options, supporting read lengths up to SE400/PE300, generating up to 1440 Gb of data per run. It offers two types of flow cells (FCS and FCL), providing 300M-1800M reads per flow cell, with PE150 sequencing completed in as little as 37 hours. The system also features built-in primary data analysis and optimized optical and biochemical systems.





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 Type	Reads	Read Length	Data Output*	Run Time**	Q30
 FCS	550M	SE100	55 Gb	13 hr	>90
		PE100	110 Gb	26 hr	>85%
		PE150	165 Gb	37 hr	>80%
	300M	PE300	180 Gb	98 hr 14	>80%
 FCL	1500-1800M	SE50	75-90 Gb	hr	>90%
		SE100	150-180 Gb	25 hr	>85%
		PE100	300-360 Gb	38 hr	>85%
		PE150	450-540 Gb	56 hr	>85%
		SE400	600-720 Gb	109 hr	>70%
		PE200	600-720 Gb	107 hr	>75%

* The data output is per 1 flow cell

** Run time for 2 flow cells includes the sequencing time and data analysis time (barcode demultiplexing and FASTQ generation)

Instrument Specifications

Model	Dimensions / Weight	Power	Operating Environment Requirements	Control Computer Configurations
DNBSEQ-G400	42.9 in (L) x 29.9 in (W) x 27.9 in (H) 440.9 lbs	Type: 100-240 V, 50/60 Hz Rated Power: 1200 VA	Temperature: 66.2°F - 77°F Relative Humidity: 20% RH-80% RH, non-condensing Atmospheric Pressure: 70 kPa-106 kPa Waterproof Rating: IPX0	CPU: Intel Xeon E5 10Core * 2 2.2Ghz Internal Storage: 256GB RAM HDD: 16 Tb SSD: 480 Gb Operating System: Windows 10 Enterprise

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.



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

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