### **Ordering Information**

Product Number	Product Name	Product Model
900-001108-00	Genetic Sequencer DNBSEQ-T7+RS	DNBSEQ-T7+RS
940-002663-00	DNBSEQ-T7+RS Stereo-seq Visualization Reagent Set	T7+ STO FCL PE75
940-002669-00	DNBSEQ-T7+RS High-throughput Sequencing Reagent Set	T7+ FCL PE100
940-002666-00	DNBSEQ-T7+RS High-throughput Sequencing Reagent Set	T7+ FCL PE150
940-002665-00	DNBSEQ-T7+RS High-throughput Sequencing Reagent Set	T7+ App-D FCL PE100
940-002668-00	DNBSEQ-T7+RS High-throughput Sequencing Reagent Set	T7+ App-D FCL PE150

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# DNBSEQ 7 +

Ultra-high-throughput Gene Sequencer

**14T+** in **24H** 

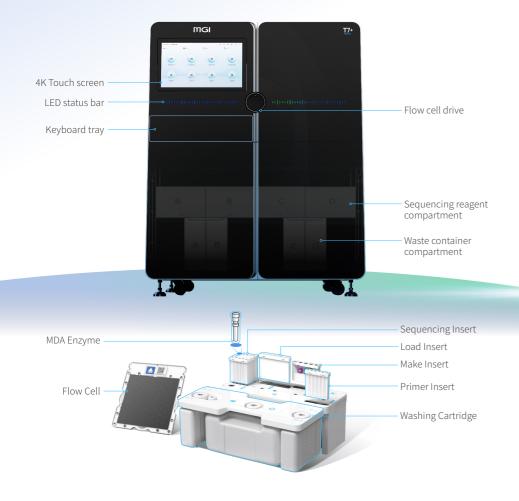


The End of Compromise.

## DNBSEQ T7+

#### Ultra-high-throughput Gene Sequencer

As a highly efficient integrated ultra-high-throughput sequencer designed for large-scale sequencing scenarios, powered by MGI's DNBSEQ™ Technology and SM2.0 biochemistry, **T7+** can deliver over 14Tb of high-quality data within 24 hours. Its 7-in-1 modular design enables full automation from sample to report, ensuring a streamlined sequencing experience. With an annual capacity of up to 35,000 whole-genome sequencing (WGS), there is no need for compromise between throughput and speed.



#### Ultrafast Breakthrough

Deliver more than **14 Tb** of data within 24 hours, with Q40 > 90% All-Field Empowerment

Spatio-temporal Omics Proteomics Agriculture Clinical Research Epigenomics Transcriptomics

Cell-Omics
Population Genomics
Basic Research
Cancer Research
Microbiology
WGS

Intelligent Integration

**7-in-1** high-integrated instrument desig, Modular design reagent cartridge



#### Modular Reagent Cartridge Design

Reduces manual consumable handling, while supporting 50% room-temperature storage and cutting room-temperature transportation volume by 90%.

#### **Ergonomic Design**

Slim, lightweight body; ergonomically designed compartment; and adjustable screen angle.





#### Omni-Smart Hub

Operate the sequencer like using a smartphone: check statistics of sequencing runtime, data output, sensor monitoring status, connection status, and more with one click.

User-friendly

Ultra-high
Throughput
and Speed

Over 14Tb deliverable data within 24h Over 35,000 WGS/Year

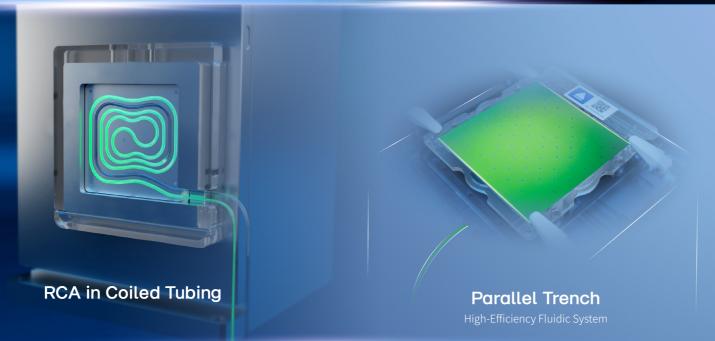
QUAD-Flow Cell Sequencing Independently



35,000WGS/Year









### Performance Parameter

No. of flow cell per run	Flow cell type	Supported read lengths*	Reads/flow cell**	Data output per run	Q30***	Run time per run****
		PE75	10,000-12,000M	/	>90%	10 ~14 h
4		PE100	- 12,000M	2.4 Tb~9.6 Tb	>90%	<20 h
		PE150		3.6 Tb~14.4 Tb	>90%	<24 h

<sup>\*</sup> The instrument is equipped with PE150, PE100 and PE75 sequencing modes, and the existing reagent kits support PE150, PE100 and PE75 read length sequencing.

## Application Overview

	Application	Requirements	Recommended	Recommended sample numbers for a single run on T7+*			
	type		read length	1*FC	2*FC	3*FC	4*FC
	Single cell RNA-Seq	600 M/sample (C4: 10K cells, 50K reads/cell)	PE100	20	40	60	80
	Cancer large panel	10 Gb/ sample (5,000X, 1Mb panel)	PE100/PE150	288	576	864	1,152
	Transcriptome	6 Gb/ sample		480	960	1,440	1,920
	WGS	100 Gb/sample (30× average sequencing depth)	PE150	28	56	84	112
	WGBS	110 Gb/sample (30× average sequencing depth)		24	48	72	96
	Stereo-seq	3,000 M/sample (FFPE)	PE75	3	6	9	12
		1,000 M/sample (FF)	FEIS	12	24	36	48

 $<sup>^{\</sup>star}\,\mathsf{Sample}\,\mathsf{numbers}\,\mathsf{are}\,\mathsf{calculated}\,\mathsf{considering}\,\mathsf{pooling}\,\mathsf{variation}\,\mathsf{and}\,\mathsf{applications}.\,\mathsf{For}\,\mathsf{reference}\,\mathsf{only}.$ 

<sup>\*\*</sup> The maximum number of effective reads are based on a specific standard library, and the actual application library will fluctuate depending on the sample type and library construction method.

<sup>\*\*\*</sup> The percentage of bases above Q30 is obtained by averaging metrics for runs using standard library. Actual performance is influenced by sample type, library quality and type, insert length among other factors.

<sup>\*\*\*\* 24-</sup>hour run time is from DNB making to cal. files generation (including automated wash).

## System Parameter

	Power Type	200V-240V~	
Power	Frequency	50/60 Hz	
	Rated Power	5000VA	
	Туре	LCD	
Screen	Size	23.8 inches	
	Resolution	3840×2160 pixels	
Dimensions	1370 mm(W)×1760 mm(H)×848 mm(D)		
Net weight	About 755 kg		
Maximum Sound Pressure Level	65 dBA		
	Temperature	15 °C-25 °C	
	Relative Hmidity	20%~80%, non-condensing	
Operating environment	Atmospheric Pressure	70 kPa-106 kPa	
requirements	Maximum Altitude	3000 m	
	Usage Field	Indoor use	
	Pollution Degree	2	
	Temperature	-20°C~50°C	
Storage/Transportation	Relative Hmidity	15%~85%, non-condensing	
for Machine	Atmospheric Pressure	70 kPa-106 kPa	
Radio-Frequency Identification	Short-Range Radio-Communication Devices	865-868MHz	
Radio-Frequency Output Power	16mW		





## About MGI Tech Co., Ltd.

MGI Tech Co., Ltd. (or its subsidiaries, together referred to MGI), is committed to building core tools and technologies that drive innovation in life science. Our focus lies in research & development, manufacturing, and sales of instruments, reagents, and related products in the field of life science and biotechnology. We provide real-time, multi-omics, and full spectrum of digital equipment and systems for precision medicine, agriculture, healthcare and various other industries.

Founded in 2016, MGI has grown into a leader in life science, serving customers across six continents and have established research, manufacturing, training, and after-sales service facilities globally. MGI stands out as one of the few companies capable of independently developing and mass-producing clinical-grade gene sequencers with varying throughput capacities, ranging from Gb to Tb levels. With unparalleled expertise, cutting-edge products, and a commitment to global impact, MGI continues to shape the trajectory of life sciences into the future.

As of June 30, 2025, MGI has a team over 2,277 employees, with research and development personnel accounting for approximately 29.21%. Our business spans over 110 countries and regions worldwide, serving more than 3,560 users.

2,277 Employees

**29.21%** R&D Personnel

**3,560+**Customers

110+
Countries & Regions