GeneMind

Simply Fast

FASTASeq S

Speed redefined



Simply Fast

Swift

2.0Hrs SE50
3.0Hrs SE100
6.8Hrs PE150

Lightning Chemistry Plus
reduce cycle time
50%



Saving

Reagent saving
Sequencing on demand

Reduce reagent consumption
70%



Simple

User-friendly Interface

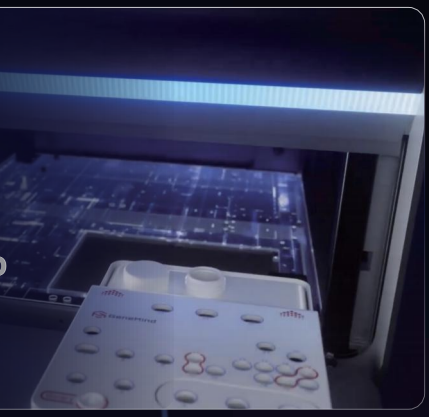
7 minutes
NGS run preparation



Social Responsible

Smart waste sorting and processing design

RT shipping and stroage for load-and-go Reagent



Product Parameter

Parameter							
Flow cell type[1]	Lane	Throughput (Reads/FC)	Specification[1]	Read Length	Data Output[2]	Q30[2]	TAT[3]
FCL	1	20 M	SE100-D	SE100	2 Gb	⩾90%	~ 3.0 hrs
			100cycles	PE50			~ 4.0 hrs
			300cycles	PE150	6 Gb	⩾90%	~ 6.8 hrs
FCM	1	40 M	SE100-D	SE100	4 Gb	⩾90%	~ 3.5 hrs
			100cycles	PE50			~ 4.5 hrs
			300cycles	PE150	12 Gb	⩾90%	~ 7.5 hrs

Main Features	
Real time FastQ generation	Allow to resume from breakpoint
Load-and-go reagent Cartridge	RT shipping and storage for reagents

1. FCL/FCM reagents available in Q3,2025，FCX reagents available in Q1 2026，FCH reagents available in Q2, 2026
2. This parameter is obtained based on the average of multiple test results of GeneMind P3 standard library. The date output and the proportion of high quality data are affected by factors such as sample type, sample quality and effective flowcell utilization. The actual performance may vary.
3. The sequencing time to complete the sample read length plus the paired-end index (8+8), whcich included the time from sample loading to base calling and generate basefile.

Application

Application	Number of Samples / FC[1]	
	FCL	FCM
	20 M	40 M
mNGS (based on probe capture) 2 M Reads/sample	8	16
TB-tNGS Detection 2 M Reads/sample	8	16
Small Oncology Panel (Tissue) 1 Gb/sample	4	8
WES 8-12 Gb/sample	/	1
HLA Typing 0.2 Gb/sample	24	48
PGT-A 5 M Reads/sample	2	4
Microbial WGS 1 Gb/sample	4	8
NGS Library QC 0.1 M Reads/sample	160	320

1. The above sample numbers for different application are only for reference. Users need to adjust the sample number according to the actual experiment.

Ordering Information

PN	Sequencer
SQ00075	FASTASeq S Sequencing System Set
PN	**Reagents**
S000515	FASTASeq S Sequencing Kit V1.0 (FCL-D SE100-D)
S000516	FASTASeq S Sequencing Kit V1.0 (FCL 100cycles)
S000517	FASTASeq S Sequencing Kit V1.0 (FCL 300cycles)
S000518	FASTASeq S Sequencing Kit V1.0 (FCM-D SE100-D)
S000519	FASTASeq S Sequencing Kit V1.0 (FCM 100cycles)
S000520	FASTASeq S Sequencing Kit V1.0 (FCM 300cycles)

System Specification

Dimensions (W × D × H)	626 mm × 580 mm × 575 mm
Net Weight	about 100 kg
Power	⩽1000 VA
Power Requirements	100-240 V~, 50/60 Hz
Operating Environment	Temperature: 19°C-25°C Humidity: 20%-80% (non-condensing) Altitude: below 3000 meter
Computer Configuration	CPU: 13th Gen Inter(R) Core(TM) i7-13700T Memory: 64 GB Hard Drive: 4 TB Operating system: Microsoft Windows 10

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