

CBTSeq2 Pro Gene Sequencer



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The CBTSeq2 Pro Gene Sequencer is a flexible, fast, versatile, and accurate benchtop platform leveraging sequencing-by-synthesis (SBS) technology. Equipped with two sequencing units and over five chip options, it supports low-, medium-, and high-throughput sequencing, to fulfill diverse clinical diagnostics and scientific research demands.

Product Features

01 Flexible

- 80M - 2000M reads / run
- up to 600Gb per run
- 2 sequencing units

02 Fast

- as fast as 4.8 hrs per run

03 Versatile

- Multiple Read Length Options: SE50 - PE150
- Customizable to PE300

04 Accurate

- Raw Q30 up to 90%

Chip Specifications

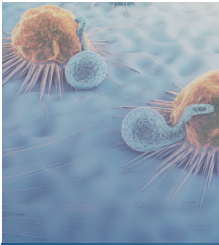
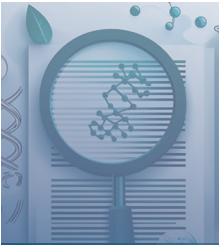
Read Length	80M	150M	250M	300M	500M
SE50	4Gb/4.8h	7.5Gb/6h	12.5Gb/6.6h	15Gb / 9h	25Gb/10.7h
SE75	6Gb/6h	11.25Gb/7h	18.75Gb/7.7h	22.5Gb / 12h	37.5Gb/13h
SE100	8Gb/7.2h	15Gb/8h	25Gb/9.2h	30Gb / 16h	50Gb/17h
PE75	NA	NA	NA	45Gb / 23h	75Gb / 24h
PE100	NA	NA	NA	60Gb / 30h	100Gb/31h
PE150	24Gb/20h	45Gb/24h	75Gb/25h	90Gb / 42h	150Gb/43h

Notes:

*The sequencing time includes dual index (8+8) reads;

*Sequencing time and data quality may fluctuate due to the different libraries used.

Multiple Applications

					
Birth Defects Control	Infection Pathogen Detection	Tumor Diagnosis	Public Health and Safety	Scientific Research	Molecular Breeding
• NIPT • CNV-seq • Genetic Disease Screening	• Pathogen tNGS • Pathogen mNGS	• Lung Cancer • Breast Cancer • Colorectal Cancer	• Disease Control • Customs • Forensic Analysis	• Animal and Plant Research • Basic Biology • Medicine	• Agriculture • Livestock • Aquaculture

Instrument Parameters

Parameters	Specifications	
Dimensions	1265mm(W) × 700mm(D) × 675mm(H)	
Power Supply	Input voltage	100V - 240V~
	Frequency	50 / 60Hz
	Power	1200VA
	Fuse	T15AH250V
Touch Screen	Type	Capacitive
	Size	21.5 inch
	Resolution	1920 × 1080
Operating Environment	Temperature	19°C - 25°C
	Humidity	20%RH - 80%RH(No condensation)
	Altitude	≤ 2000m
Server	CPU	Intel Xeon® Silver 4216
	Memory	32 GB DDR4 * 4
	Storage	10 TB HDD * 4; 512 GB + 2048 GB SSD
	OS	Windows 10 x64
Maximum Sound Pressure	75 dB(A)	

