Capital TECHNOLOGY

CBTSeq2 Mini Gene Sequencer

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CBTSeq2 Mini Gene Sequencer is a fast (sequencing time as short as 3.4 hours), accurate, versatile and simple-to-use platform leveraging sequencing-by-synthesis (SBS) technology. It can be applied in multiple clinical and scientific research scenarios, including personalized diagnosis, NIPT, forensics, eDNA, targeted NGS, infectious detection, etc.

Product Features

01 Fast

- As fast as 3.4 hrs per run
- Ready to run with minimal samples

02 Accurate

- Index hopping ⩽ 0.0004%

03 Versatile

- Multiple read length options: SE50 - PE300
- Diverse applications

04 Simple

- Minimal manual and library loading operations

Chip Specifications

Read Length	25 M	60 M	100 M
SE50	1.25 Gb/3.4 h	3.0 Gb/3.7 h	5.0 Gb/3.8 hr
SE75	1.875 Gb/4.1 h	4.5 Gb/4.5 hr	7.5 Gb/4.6 hr
SE100	2.5 Gb/4.7 h	6.0 Gb/5.4 hr	10.0 Gb/5.5 hr
SE400	10.0 Gb/18 h	NA	40.0 Gb/20.5 hr
PE150	7.5 Gb/10.9 h	18.0 Gb/12 hr	30.0 Gb/13.2 hr
PE300	15.0 Gb/25 h	NA	NA

Notes:

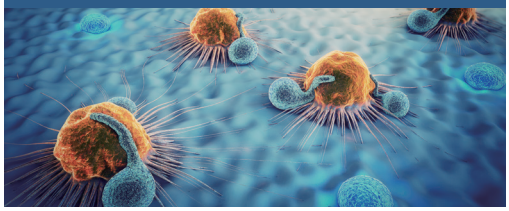
*The sequencing time includes dual index (8+8) reads;

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

Multiple Applications

Pathogen tNGS

Tumor Sequencing



NIPT

Forensic DNA Analysis

Instrument Parameters

Parameters	Specifications	
Dimensions	619 mm(W) x 682 mm(D) x 738 mm(H)	
Weight	115 kg	
Power Supply	Input voltage	100V - 240V~
	Frequency	50 / 60Hz
	Power	1000VA
	Fuse	T10AH250V
Touch Screen	Size	13.3 inch
	Resolution	1920 × 1080
Operating Environment	Temperature	15°C - 30°C
	Humidity	20%RH - 80%RH(No condensation)
	Altitude	⩽ 3000m
Server	CPU	12th Gen Intel(R) Core(TM) i9-12900
	Memory	128GB
	Storage	2TB SSD
	OS	Windows 10 x64

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CapitalBiotech

Add: 88 Kechuang 6th Street, Building C, Yizhuang Biomedical Park, Beijing Economic-Technological Development Area, Beijing 101111, China
www.capitalbiotechnology.com E-Mail: globalsales@capitalbiotech.com