Portable and Easy-to-use Genetic Sequencer

DNBSEQ-E25*

Easy installation

Easy-to-use cartridge
No environmental requirement

Simple sequencing

Ready-to-use in 10 minutes
Built-in bioinformatics enables full workflow
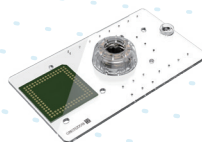from sample to report

DNBSEQ-E25 is a small-sized and light-weighted genetic sequencer that can achieve high-speed and highly flexible sequencing. Meanwhile, the easy-to-operate feature lowers the operation threshold of a genetic sequencer.

DNBSEQ™ Core Technology + Interagted Sequecning Flow Cell

ATCG
AGA
AATO

Integrated signal acquisition module
Nanoscale array site

High speed
High precision
No signal interference
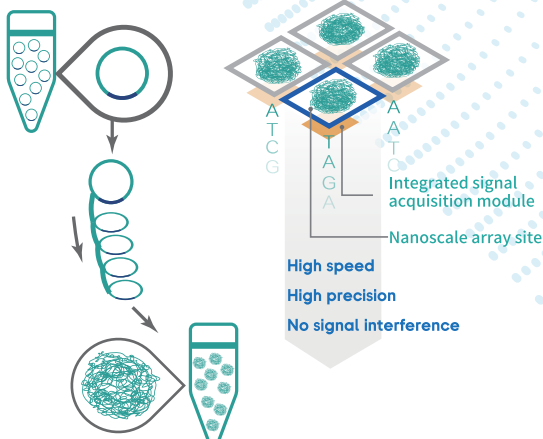
Microfluidics based flow cell

Sequencing reagent can directly enter the flow cell without passing through the instrument

Integrated CMOS module

Base signal can be captured directly without complicated optics

Self-luminescence based chemistry

Signal can be generated without external excitation light source
Making the instrument more portable and stable for multiple scenarios
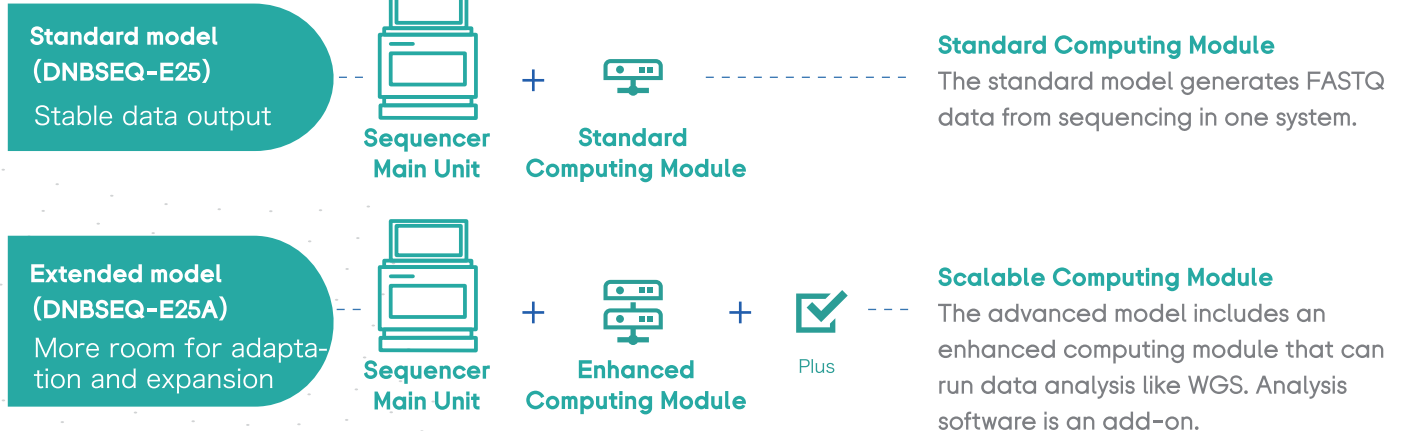
● Performance parameters

Number of Reads ∗	Sequencing Reagents †	Data Output ‡	Turnaround Time	Q30 §
25 M	SE100	2.5 Gb	~5 hours	>90%
25 M	PE150	7.5 Gb	~20 hours	>80%

∗ The maximum number of valid reads is obtained by running a specific standard library, and the actual application library will fluctuate by the sample type and library construction method.

† SE100 consumables can be used for SE50 sequencing, PE150 consumables can be used for PE100 sequencing, and read lengths can be customized in the sequencer user interface.

‡ Turnaround times include DNB loading and FASTQ generation time, excluding tag sequencing time.

§ The percentage of bases above Q30 and the running time are averaged over the entire run for a specific standard library, and the actual application performance is affected by sample type, library quality, insert length, etc.

Standard model (DNBSEQ-E25)
Stable data output

Sequencer Main Unit + Standard Computing Module

Standard Computing Module
The standard model generates FASTQ data from sequencing in one system.

Extended model (DNBSEQ-E25A)
More room for adaptation and expansion

Sequencer Main Unit + Enhanced Computing Module + Plus

Scalable Computing Module
The advanced model includes an enhanced computing module that can run data analysis like WGS. Analysis software is an add-on.

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