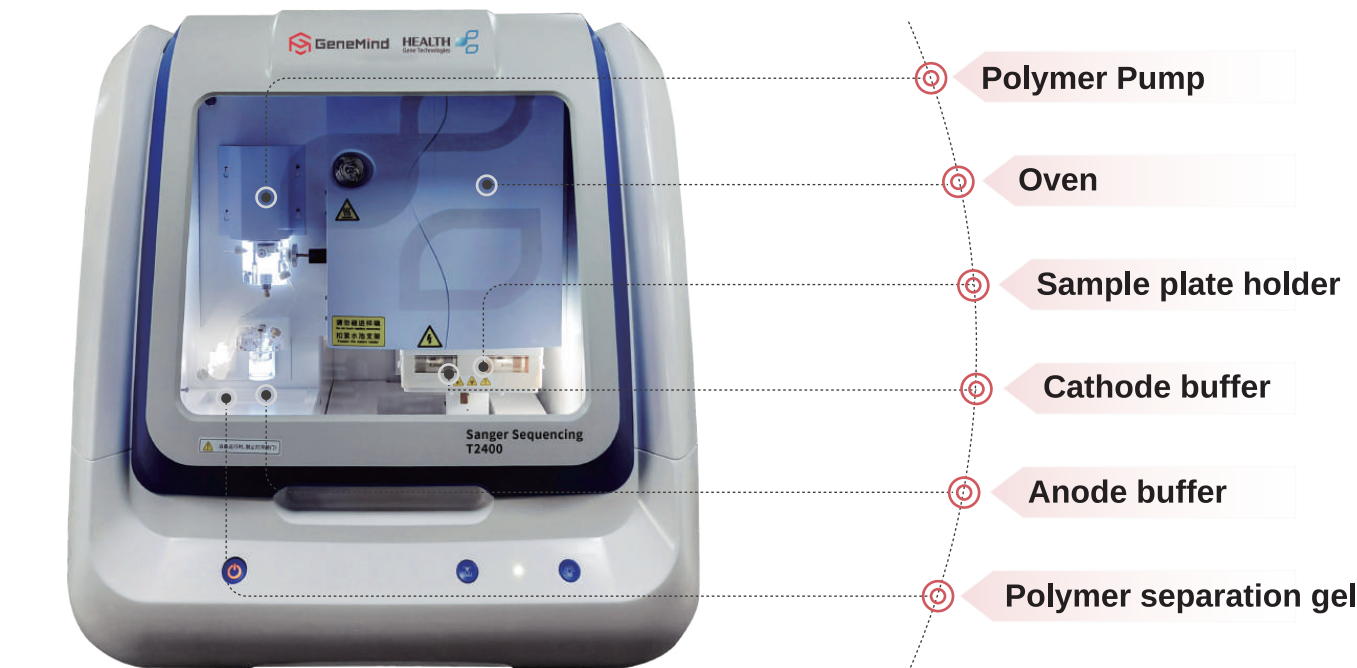


Structure

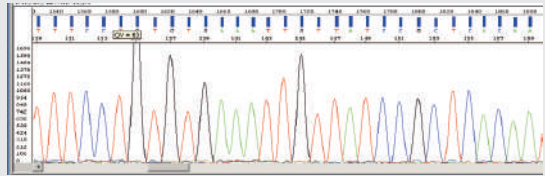


Two major functions

Sanger sequencing based on capillary electrophoresis determines the specific base sequence of DNA fragments, while fragment analysis uses DNA-specific primers to generate fluorescently labeled DNA fragments via PCR, followed by electrophoretic analysis to obtain the relative molecular size and genotypic information.

Sanger sequencing

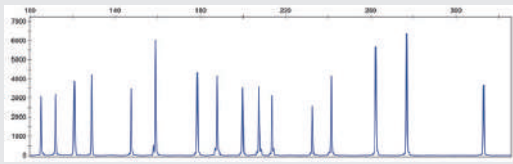
A variety of applications:



- Plasmid sequencing
- Targeted DNA sequencing
- De Novo Sequencing
- Microbial identification
- Next-Generation Confirm

Fragment analysis

A variety of applications:



- Human cell line authentication
- Microsatellite marker analysis
- Short tandem repeat (STR) analysis
- QF-PCR
- SNP genotyping
- Multiplex ligation-dependent probe amplification for human copy number variation (MLPA)

Specifications

Dimensions (W × D × H)	71 × 62 × 80 cm
Weight	95 kg
Supply voltage	220±22 VAC, 50±1 Hz
Electrophoresis voltage	Up to 20 kV
Sample capacity	Up to 192 samples
Number of dyes	8
Capillary length	36 cm, 50 cm
Number of capillaries	24
Applications	·Sanger sequencing ·Fragment analysis

Product Features

- 01 High Throughput:

Capable of detecting up to 900 samples within 24 hours, meeting the demands of large-scale laboratories.
- 02 Optical Detection System:

Supports simultaneous capture of 8-color fluorescence signals, enabling synchronous detection of more sites.
- 03 Cost-Effectiveness:

Utilizes fully domestic components, significantly reducing usage, maintenance, and repair costs.

Clinical and scientific research projects

01 Pathogen infection

- SureX® HPV 25X Genotyping kit
- SureX® 13 Respiratory Pathogen Multiplex Kit
- SureX® Meningitis/Encephalitis Pathogen Multiplex Kit *
- HIV-1 Drug Resistance Genotyping Detection Kit
- Mutation Detection Kit for Rifampicin/Isoniazid Resistance in *M. tuberculosis*
- Reproductive Tract Pathogens Multiplex Nucleic Acid Detection Kit *
- Hepatitis C virus genotyping kit
- Hepatitis B Virus Drug Resistant Mutations detecting Kit

02 Reproductive genetics

- Fragile X Dx and Carrier Screen *FMR1* kit
- Survival Motor Neuron Gene Copy Number Detection Kit
- Chromosome (T13/T18/T21/X/Y) Multiplex STR Genotyping Kit
- 17-Item Hereditary Deafness Genotyping Detection Kit *
- *SMN1/2* Gene Quantitative Analysis Kit
- Y-Chromosome Microdeletion and Klinefelter Syndrome (XXY) Genetic Detection Kit

03 Tumor

- *B-raf* Gene Mutation Detection Kit
- *K-ras* Gene Mutation Detection Kit
- *EGFR* Gene Mutation Detection Kit
- Microsatellite instability (MSI) gene detection kit
- Immunoglobulin gene rearrangement detection kit
- *IDH1* Gene Mutation Detection Kit
- *UGT1A1* gene polymorphism detection kit

04 Pharmacogenomics

- *ALDH2* Genotyping Kit
- *CYP2C19* Genotyping Kit
- *CYP2C19*, *CYP2C29*, and *VKORC1* Genotyping Kit
- *MTHFR* Genotyping Kit
- *SLCO1B1*, *apoE*, and *CYP2C19* Genotyping Kit *
- Malignant hyperthermia related gene *RYR1* and *CACNA1S* gene multiplex SNP detection kit *

* means RUO (Research Use Only)

Applicable scenarios



Medical institutions



Clinical Laboratory



Centers for Disease Control (CDC)



Physical Examination Center



Customs



Biopharmaceutical Companies



Agricultural Breeding Companies



Research Institutions and Universities

Ordering information

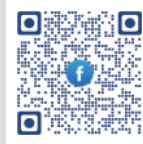
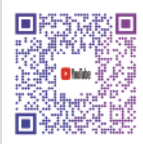
PN	Product Name	Specification
AE0120001	Sanger Sequencing	T2400
AE0120002	Capillary Array	50 cm, 24 channels
AE0120003	Capillary Array	36 cm, 24 channels
AE0120004	Polymer Separation Gel	7.0 mL
AE0120005	Polymer Separation Gel	3.5 mL
AE0120006	Buffer	500 mL
AE0120007	Buffer	125 mL

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Health Gene Technologies Co., Ltd

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Sanger Sequencing



T2400



- High Throughput
- Sanger sequencing and fragment analysis