

● Instrument Performance Index

Specimen Channel	2 channel specimens + 1 channel contract (contract type can be selected independently)
Specimen Type	Oral swabs, whole blood, blood card, cast-off cells, etc.
Integrated Process	Specimen pre-treatment + multiple PCR amplification + capillary electrophoresis test fully integrated automatic device
Supporting Reagent	RTypers21, AIDIP38, Promega PP21, etc.
Electrophoretic Resolution	Single-base
Operation Time	≤2.5 hours
Output Document Format	TXT, FSA
Size	52*52*60 cm
Weight	35 kg
Power Supply	220V, 50 Hz
Power	300 W
Laser	488 nm, 100 mW

● Application Field

- ★ Quick screening for on-site test materials of important case
- ★ Quick personnel identification in unexpected accidents and natural disasters
- ★ Quick identification and excluding for sensitive and suspected personnel in frontier defense, police station and other grassroots units

Quick TargSeq™

Fully Integrated Automatic On-site DNA Quick Test System



"Specimen in - result out" forensic medicine gene analysis platform with fully independent intellectual property rights

Quick TargSeq™ Fully Integrated Automatic On-site DNA Quick Test System

Fully Integrated Automatic On-site DNA Quick Test System is possessed of fully independent intellectual property rights. The instrument adopts micro-fluidic technology, integrates nucleic acid extraction, amplification and test and conducts test process fully automatically. The built-in supporting DNA typing software can conduct data analysis and complete whole process from extracting specimen to obtaining DNA typing data within 2.5 hours.

Test process



1. Sampling

Use the cotton swab to scrape the oral epithelial cells.



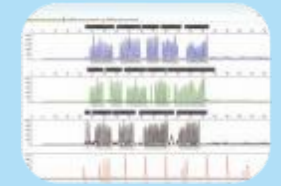
2. Specimen Adding

After scraping, rinse the cotton swab in specimen adding tank on chip for 1 min and take it out.



3. Loading

Put the chip into the instrument, and it will work automatically.



4. Reading

The software interface will prompt completing analysis and display the analysis data.

★ Product Introduction

Researched jointly by Institute of Forensic Science of China, Tsinghua University, CapitalBio Corporation and Beijing CapitalBio Technology Co., Ltd. for about ten years, the first Fully Integrated Automatic On-site DNA Quick Test System integrating DNA extraction, multiple PCR amplified and separated test was developed.

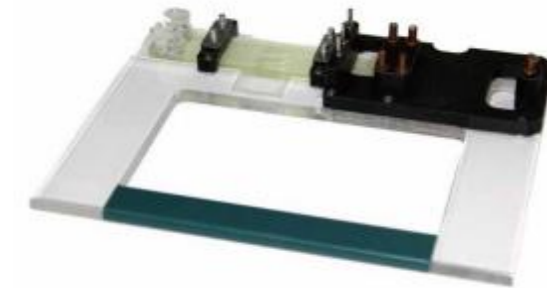
★ Integrated portable design and full automation, it can be used on board or on site

The instrument fully integrates DNA extraction, amplification and capillary electrophoresis (CE), collects DNA specimen and puts it into integrated box, quickly and accurately obtains typing results with fully automatic test process, compares the result with DNA database and the instrument can be used cooperatively with field investigation vehicle or other police equipment.

★ Multiple reagent modules are optional

- 1、RTyper21 Kit includes 20 CODIS core sites and can be used for individual identification;
- 2、AIDIP38 Kit can be used for ethnicity inference;
- 3、Promega PP21 Kit includes 21 sites.

★ All reaction reagents are built in box, stored simply and convenient for use. The chip box is designed to full sealing, separate vacuum package to avoid crossing contamination



1 RTyper21 Kit



2 AIDIP38 Kit



Base on capillary electrophoresis, the universal platform can conduct high-resolution and precise test for amplified products typing



The extensible extraction and amplification modules are optional for different specimens. Different pre-treatment modules can fully automatically complete gene test

★ The instrument, reagent and software are fully made in China, autonomic and controllable with high degree of data safety

