

Science Elevates Lives

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AUTOMAN ELITE

Fully Automated Sample Processing System

Your Trusted Mass Spectrometry Sample Preparation System

Product Parameters

2011

Reigncom founded

2015

TUV SÜD ISO13485 certification & National High-tech Enterprise Certification

2019

Established strategic cooperation with Thermo Fisher Scientific for clinical mass spectrometry instruments

2021

NMPA approval of multiple LC-MS/MS assay kits and MS instruments

01

In Vitro Diagnostics (IVD) Integrated Solution Provider

Reigncom is a forefront leader in the IVD field in China, specializing in R&D, manufacturing and sales of medical diagnostic equipment, reagents, and related services.

02

Outstanding Service Providers for Clinical Mass Spectrometry

Reigncom established cooperation with Thermo Fisher Scientific to manufacture state-of-the-art, self-branded triple quadrupole clinical mass spectrometers.

Reigncom's team of highly specialized scientists work under the leadership of globally experienced PhDs to develop and manufacture a comprehensive range of best-in-class clinical mass spectrometry products, providing state-of-the-art complete solutions for clinical mass spectrometry applications.

Indicators

Specifications

Pipetting Module

4 channels & 1 mechanical gripper

Reagent Slots

Multiple reagent slots, supporting 25mL, 50mL, and 100mL volume specifications

Pipetting Technology

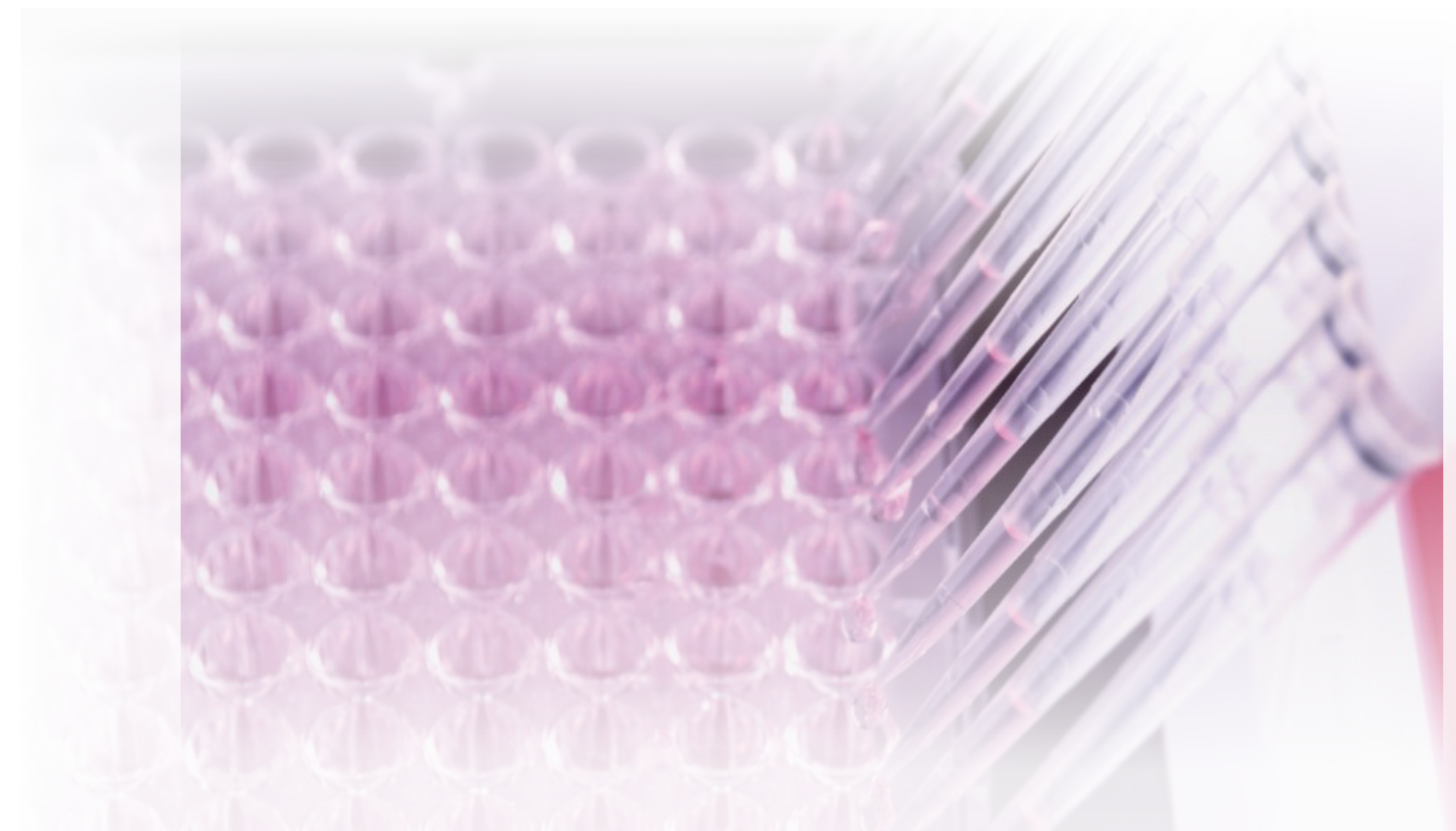
Use capacitive and pressure dual-sensor fluid level sensing technology to detect the height of the fluid level and track the fluid volume during the suction/discharge process

Pipetting/Loading Speed

It takes less than 30 seconds to process each microplate in one module and transfer to another

Other Modules

Heating and Shaking
Microplate Centrifugation
Positive Pressure Solid Phase Extraction
Nitrogen Evaporation and Concentration
Barcode Scanning

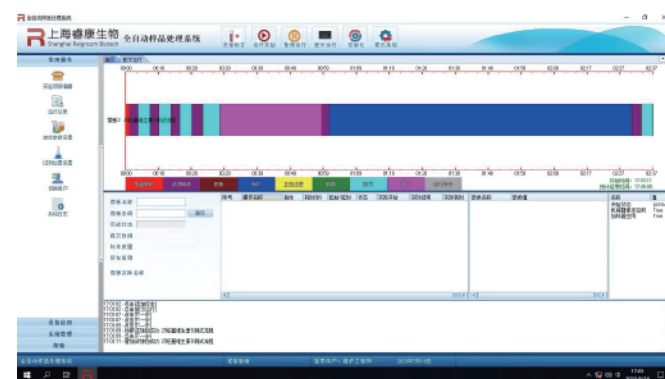


LC-MS/MS Assay Kits Catalog

Nutritional	Endocrinology	TDM
Homocysteine	Total Triiodothyronine (T3) & Total Thyroxine (T4)	Immunosuppressants
25-Hydroxyvitamin D	Vanilmandelic Acid & Creatinine	Multiple Antibiotics
Folate	Steroid Hormones	Multiple Antiviral Drugs
Fat-soluble Vitamins	Sex Hormones	Multiple Antipsychotics
Water-soluble Vitamins	Plasma/Urine Catecholamines	Meropenem
21 Amino Acids	Glycocholic Acid	Amiodarone & Desethylamiodarone
11 Free Fatty Acids	Bile Acids	

Professional Software

- ✓ Easy to learn for clinical customers
- ✓ Workflow-based experiment method editing mode with over 10 built-in experimental method procedures
- ✓ Features user access management and data tracking capabilities, ensuring enhanced security and reliability



Product Introduction

The next-generation fully automated sample processing system, AUTOMAN ELITE, offers powerful functionalities, efficient operations, and flexible applications. It is suitable for various fields such as clinical diagnostics, drug development, and multi-omics research. Equipped with the professional software, it meets the comprehensive needs of clinical mass spectrometry customers for intelligent automated sample preparations.

One-stop Workflow



AUTOMAN ELITE

Fully automated sample preparations

No manual intervention required throughout the entire process



Certified Assay Kits

Complete components integration

Multi-compound testings



RZ-500

High sensitivity & high throughput

Seamless integration with LIS

Product Advantage

- Air displacement pipetting enables excellent measurement accuracy and enhanced contamination resistance
- Dual-sensor fluid level detection technology ensures the maximum integrity of samples and results
- Comprehensive functionalities with various application modules and accessories, enhancing system flexibility
- The user-friendly software allows users to freely edit methodology programs, catering to personalized requirements

Product Applications

AUTOMAN ELITE is designed for clinical mass spectrometry testings. It provides comprehensive support for sample preparation types such as protein precipitation, liquid-liquid extraction, supported liquid extraction, and solid-phase extraction. It enables fully automated extraction and purification of various clinical sample types, including serum, plasma, whole blood, urine, and other clinical sample types.

Pipetting System

- ◇ Equipped with 4 pipetting channels to improve sample processing efficiency
- ◇ Multi-functional robotic gripper for rapid transfer of microplates

Heating and Shaking

- ◇ Compact lock design to securely hold various types of microplate racks
- ◇ Featured functions include temperature control, shaking and timing to meet the requirements of sample incubation, mixing, and derivatization

Sample Racking System

- ◇ Pull-out design for easy sample loading
- ◇ Compatible with multiple rack types, offering excellent scalability

Barcode Scanning

- ◇ Automatic sample scanning and manual reagent scanning
- ◇ Support common barcode types such as Code 128, Code 39, and Codabar

Supportive Functions

- ◇ Collision detection and alarm
- ◇ Non-stop reagents loading
- ◇ Emergency stop protection
- ◇ UV light disinfection

Microplate Centrifuge

- ◇ Support 2 x 96-well plates centrifugation, up to 4200 rpm centrifugation speed

Integrated Nitrogen Evaporator

- ◇ Automated positive pressure extraction and nitrogen evaporation and concentration in 96-well microplate mode
- ◇ Flexible program editing function with customizable mode, temperature and time

Multi-spec Reagents Rack

- ◇ Multiple reagent slots support liquid volume specifications of 25mL, 50mL and 100mL

Professional Software

- ◇ User-friendly software features workflow-based experiment method editing interface
- ◇ One-click operation mode can initiate hundreds of built-in experimental method procedures

