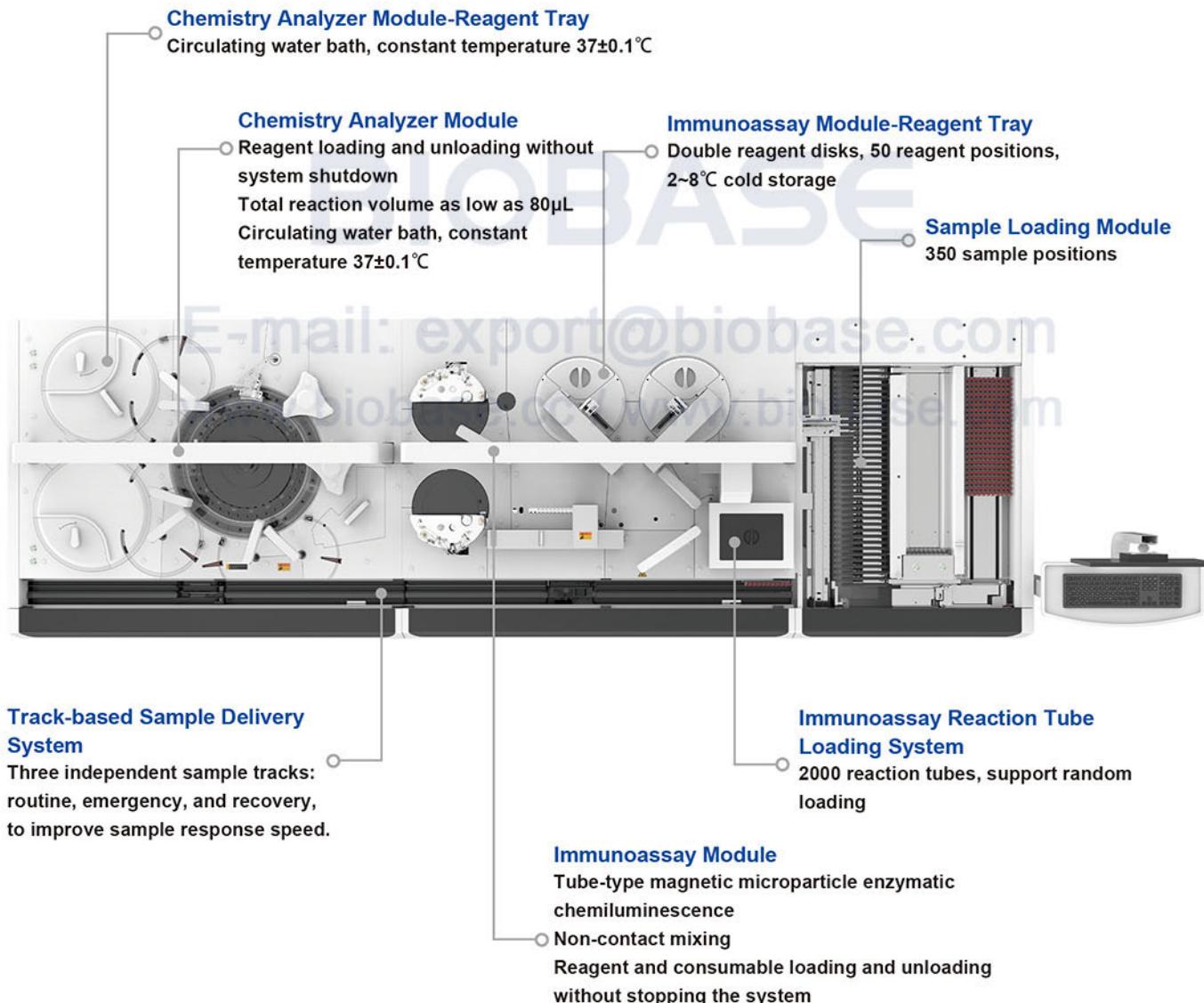


Automatic Chemistry & Immunoassay Analyzer MT8600

Introduction:

The automatic chemistry & immunoassay analyzer is a fully automated integrated platform that seamlessly connects the chemistry analyzer and immunoassay via a track system. It enables parallel processing of the same sample, completing both biochemical and immunoassay tests in a single operation.

This system revolutionizes traditional workflows, significantly improving efficiency and minimizing manual operation and sample turnaround time. Simultaneously, by reducing human intervention, it effectively reduces result errors, ensuring a high degree of consistency and reliability in testing quality, making it a core piece of equipment in modern large-scale medical institution laboratories.



Flexible Combination Mode:

Dual-module

Single Chemistry Module + Single Immunoassay Module

Chemistry: 2000 Tests/hour; Immunoassay: 600 Tests/hour; Electrolytes: 600 Tests/hour



Triple-module

Dual Chemistry Modules + Single Immunoassay Module

Chemistry: 4000 Tests/hour; Immunoassay: 600 Tests/hour; Electrolytes: 1200 Tests/hour

Single Chemistry Module + Dual Immunoassay Modules

Chemistry: 2000 Tests/hour; Immunoassay: 1200 Tests/hour; Electrolytes: 600 Tests/hour



Quadruple-module

Dual Chemistry Modules + Dual Immunoassay Modules

Chemistry: 4000 Tests/hour; Immunoassay: 1200 Tests/hour; Electrolytes: 1200 Tests/hour

Triple Chemistry Modules + Single Immunoassay Module

Chemistry: 6000 Tests/hour; Immunoassay: 600 Tests/hour; Electrolytes: 1800 Tests/hour

Single Chemistry Module + Triple Immunoassay Modules

Chemistry: 2000 Tests/hour; Immunoassay: 1800 Tests/hour; Electrolytes: 600 Tests/hour

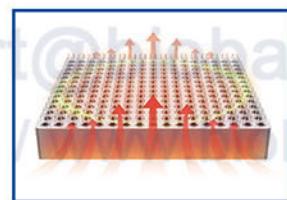


Automatic Chemistry & Immunoassay Analyzer MT8600



Chemistry Analyzer Module-Sample /Reagent Probe

Liquid level sensing, random tracking, three-dimensional anti-collision protection



Immunoassay Module-Incubation Position

A total of 238 incubation positions, $37\pm0.1^\circ\text{C}$, dry bath heating



Immunoassay Module-Reagent Tray

Double reagent disks, 50 reagent positions, $2\sim8^\circ\text{C}$ cold storage



Chemistry Analyzer Module-Reagent Tray

Circulating water bath, constant temperature $37\pm0.1^\circ\text{C}$



Sample Loading Module-Sample Scanning

350 sample positions, 450 samples delivered per hour

Features:

01/Intelligent System Software

Automatic retesting of abnormal samples
Intelligent sample scheduling
Automatic alarm handling
Automatic cleaning and maintenance
Reagent remaining level warning

02/Immunoassay System

Tube-type magnetic microparticle enzymatic chemiluminescence
Non-contact mixing
Reagent and consumable loading and unloading without stopping the system
Single unit throughput 600 Tests/hour

03/Chemistry System

Reagent loading and unloading without system shutdown
Total reaction volume as low as $80\mu\text{L}$
Single unit throughput 2000 Tests/hour
ISE module throughput 600 Tests/hour(Optional)
Emergency results reporting time as fast as 10min

Parameters:

Model	MT8600	
Chemistry Analyzer Module	Throughput	2000 Tests/hour; Optional ISE module 600 Tests/hour
	Sample Type	Serum, plasma, whole blood, urine, cerebrospinal fluid, semen, stool
	Loading Mode	Track loading, with emergency track
	Sample Position	Maximum 350 samples loaded at one time, original tube loading with sample rack
	Reagent Position	250 positions, 2 cold storage functional reagent disks
	Sample Volume	$1\sim35\mu\text{L}$, increasing by $0.1\mu\text{L}$
	Reagent Volume	$1\sim350\mu\text{L}$
	Reaction Volume	$80\sim350\mu\text{L}$
	Probe	Liquid level sensing, random tracking, three-dimensional anti-collision protection
	Wavelength Range	340nm~850nm
Immunoassay Module	Reaction Temperature	Circulating water bath, constant temperature $37\pm0.1^\circ\text{C}$
	External Dimensions(W*D*H)	1505*1225*1245mm
	Net Weight	500kg
	Throughput	600 Tests/hour
	Reaction Principle	Tubular magnetic particle enzymatic chemiluminescence
	Sample Type	Serum, plasma, urine
	Cleaning Module	Double cleaning module, triple magnetic separation cleaning technology, non-contact type mixing
	Reagent Position	Double reagent disks, 50 reagent positions, $2\sim8^\circ\text{C}$ cold storage
	Reaction Tube Capacity	2000 reaction tubes, support random loading
	Incubation Position	A total of 238 incubation positions, $37\pm0.1^\circ\text{C}$, dry bath heating
Sample Loading Module	Sample Position	Maximum 350 samples loaded at one time, original tube loading with sample rack
	Other Functions	Reagent radio frequency identification, sample needle collision prevention, liquid level detection, automatic dilution, optional clot detection, etc.
	External Dimensions(W*D*H)	1500*1225*1245mm
	Net Weight	500kg
Others	Sample Position	350 sample positions, 450 samples delivered per hour
	STAT Function	Equipped with emergency priority function
	External Dimensions(W*D*H)	972*1225*1495mm
	Net Weight	160kg
Power Supply	Power Supply	AC220 50/60Hz (Standard); AC110 50/60Hz (Optional), 4950VA
	Packing Size(W*D*H)	1685*1410*1460mm; 1685*1410*1460mm; 1410*1350*1170mm
	Gross Weight	670kg; 650kg; 360kg