

Automatic Chemiluminescence Immunoassay System



Chemiluminescence solutions

According to the needs of different customers, to provide one-stop solutions to customers reagent support services and raw material products.

Fast

Up to 200 test/hour

The fastest time to get the result is 15 minutes

Flexible

Strong compatibility and extensibility

Immune reagents that support all modes of response

Compact

The smallest in size

Patented design technology with high integration and simplicity

Comprehensive optimization of the spatial layout of each function

convenient

The human-computer interaction experience is smooth

All consumables can be added at any time

Touch screen at your fingertips, simple and lively operation interface

Stable

The quality performance is stable and reliable

Strictly screen all kinds of key devices

Strictly test various influencing factors

Instrument Performance Parameters

General specifications

Analysis of the principle

Magnetic particles as solid phase carrier, enzymatic chemiluminescence or direct chemiluminescence

Test speed

200 T/H

First result time

<15 minutes

Reagent components

Reagent loading method	reagent tray	Reagent mixing	magnetic bead reagent chamber can be rotary mixing
Reagent position	25	Add Sample Size	100-10 μ l per component
Refrigeration temperature of reagent	4~8°C	Reagent type	Reagents in use state
In - machine reagent evaporation prevention	automatic sealing	Calibration mode	optional

Accessories and consumables

Reactor tube loading	silos, 500 reaction tubes	Waste container	capacity of 500 reaction tubes/box
Substrate	Optional	Waste liquid bucket	1 for collecting waste liquid of the whole machine
Buffer	10L/ bottle		

The operating environment

Ambient temperature	15-30°C
Relative Humidity	%35-%80 non-concentrated
Altitude	- 400-2000 m

The sample components

Sample loading method	sample tray	Sample integrity control	level, clot, and bubble detection
Sample plate	10 samples/rack \times 7 racks	Sample tube	optional
Sample types	serum, plasma, urine	Carrying contamination rate	< 5 PPM
Sampling method	1 steel needle, used for adding samples and reagents	Automatic dilution	1:2 ~ 1:80
Add Sample Size	5-150 μ l	Bar code read	39 code, 128 code, Coudebar code, cross 5/2 code

Reaction system

Reaction/Test	\leq 400 μ l	Incubation time	Depends on test item
Incubator	90 rotation positions	Reaction liquid mixing	Whirlpool oscillation mixing
Incubation temperature	37 \pm 0.3°C		

General Specifications

Input voltage and frequency	240~220V, 50Hz; 115~110V, 60Hz;
Input power	2000VA
Size	1000(L) \times 670(W) \times 700(H)mm (including touch screen)

Physical specifications

Construction	Desktop
Weight	\leq 150 kg