

CL-900i

Chemiluminescence Immunoassay system

mindray



Technical Specifications

General Information

Throughput	Up to 180 tests/hour
Measurement Principle	Micron superparamagnetic particles platform With alkaline phosphatase (ALP) labeled reagents And AMPPD substrate

Sample Assembly

Sample Feeder	Continuous sample loading and offloading
Sample positions	50
Sample Probe	Steel probe, liquid level detection, clot detection, Horizontal and vertical collision protection
Sample Volume	10~200ul, with increment of 1 ul
Sample Dilution	Automatic dilution with 1:2~1:40

Reagent Assembly

Reagent Disk	15 reagent positions, continuous loading, real-time mixing for magnetic particles
Cooling System	2~8 °C
Reagent Pack	50 tests/pack, 100 tests/pack
Reagent Scanning	Built-in/External bar code reader
Reagent Probe	Steel probe, liquid level detection, clot detection, Horizontal and vertical collision protection
Reagent Volume	10~200ul, with increment of 1 ul

Substrate System

Substrate Bottle	300/500 tests per bottle, bottom piercing
Substrate Loading	Capable of continuous loading during testing
Substrate Heating	Constant heating
Aspiration Volume	200ul

Magnetic separation unit

Separation Assembly	3-phase magnetic separation
Temperature	Accuracy: 37±0.3 °C

Measurement and Reaction System

Detection Mode	Photon counting
Signal Detector	Photomultiplier (PMT) photo counter
PMT Calibration	LED reference module
Incubation positions	82
Temperature	Accuracy: 37±0.3 °C
Mixing Unit	Non-touch vortexer mixing

Cuvette Loading and Waste Collection

Cuvette	Disposable plastic cuvette
Cuvette Loading	88 cuvettes per tray, 2 trays can be loaded in one batch, continuous loading and offloading
Waste collection	Waste container, 200 cuvettes per box

Working conditions

Power Supply	100-240V~50/60Hz
Input Power	500VA
Operating Temperature	15~30 °C
Relative Humidity	35%RH~85%RH, without condensation
Dimension	860mm*740mm*560mm (W*D*H)
Weight:	132Kg
Altitude Height	-400m~3000m (70kpa)



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