

Shine i2000

Series Automatic Chemiluminescence Immunoassay Analyzer

Compact Yet Robust



About Fapon Biotech



22⁺

Years of Experience

As a global leading IVD enterprise, Fapon Biotech Inc. (referred to as "Fapon Biotech") focuses on the future needs and trends of biotechnology development and is committed to providing global diagnostic companies with high-performance IVD raw materials, reagent solutions and innovative open instrument platforms.

800⁺

Patents

Fapon Biotech expects to promote the development of the diagnosis industry with partners based on Fapon IVD Ecosystem, to achieve the mission of "delivering earlier, more accurate, convenient and accessible diagnostics for everyone".

1400⁺

Products

Mission

Delivering earlier, more accurate, convenient and accessible diagnostics for everyone

2500⁺

Global Partners

Vision

Becoming a pioneering biotechnology organization and shaping the future of the industry

Fapon Biotech's CLIA solutions



Diversified portfolio

Instruments of high performance for different applications



Multiple options

4 different models AE/AP/HRP/ABEI



High performance

Seamless integration of dozens of patented technologies in an intelligently designed, highly precise system



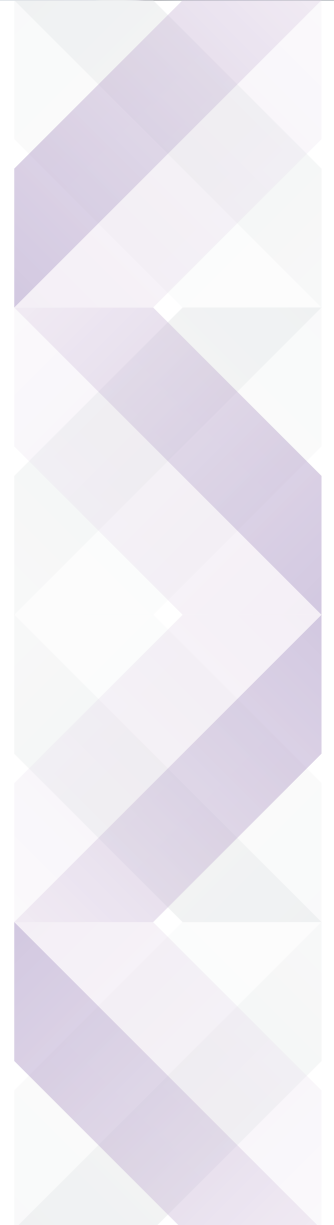
Reliable quality

A comprehensive manufacturing management system for medical devices



Flexible cooperation

Multi-level, all-round cooperation and service support



Shine i2000

Series Automatic Chemiluminescence
Immunoassay Analyzer



Excellent Performance

- Up to 200 T/h
- First result \leq 12 min (assay dependent)



Compact & Convenient

- Footprint 0.67 m², patented technology for highly integrated and simplified design
- Batch/random/STAT mode available
- Integrated control panel with machine, all consumable loading in real time



Innovative Design

- Incubation, washing and detection all-in-one, detection efficiency improved
- Using automatic intelligent control technology, low instrument failure rate
- 100+ patented technologies, 100% self-developed



Open system

- Multiple options: 4 different models (AE, AP, HRP, ABEI)
- Compatible with immunological reagents and instruments with different parameters and reaction modes

Technical Specifications

Overview

Principle	Enzymatic chemiluminescence or direct CLIA
Throughput	200T/h
First Result	≤ 12 min (assay dependent)
Walk Away Time	3 hours

Power information

Power Requirements	100-240V, 50/60Hz
Power Input	1000 VA
Dimension	1000(W)*670(D)*640(H)mm(control panel included)

Physical Information

Construction	Desktop
Weight	≤ 129kg

Operation Environment

Operating Temperature	10-30°C
Humidity	≤ 85% (noncondensing)
Altitude	≤ 4000 m

Sample Assembly

Sample Feeder	By sample racks
Sample Position	60 positions
Sample Type	Serum/Plasma/Urine/Whole blood
Sample Probe	Single steel probe for both sample & reagent
Sample Volume	10-150 µL
Probe Detection	Clot, bubble & liquid level detection
Sample Tube	Optional
Carry over	<10ppm
Dilution function	Automatic dilution
Code reading method	Support multiple barcode reading methods

Reagent Assembly

Reagent Feeder	By reagent Disks
Reagent Position	25 positions
Cooling System	2-8°C
Anti-evaporation Control	Self-sealing
Reagent Mixing	Non-touch rotary mixing for magnetic particles
Reagent Volume	10-200 µL
Reagent Type	100% ready-to-use liquid reagents
Calibration Mode	Optional

Reaction System

Reaction Volume/Test	≤400 µL
Reaction Disk	90 positions
Reaction Temperature	37±0.3°C
Reaction Time	Depending on assays
Reaction Mixing	Non-touch vortex mixing

Accessories & Consumables

Assay Cup Loading	500 cups, continuous loading and offloading
Substrate Loading:	up to 2 bottles
Wash Buffer	10 L/bottle
Solid Waste	500 assay cups per container
Liquid Waste	1 barrel, for collecting waste liquid of the whole machine
Substrate Loading	2 bottles to load continuously during test

FAPON BIOTECH

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