

# Shine i1000

Series Automatic Chemiluminescence Immunoassay Analyzer

Get More With Less Space



## About Fapon Biotech



# 22<sup>+</sup>

Years of Experience

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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<sup>+</sup>

Patents

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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<sup>+</sup>

Products

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Mission

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

# 2500<sup>+</sup>

Global Partners

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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



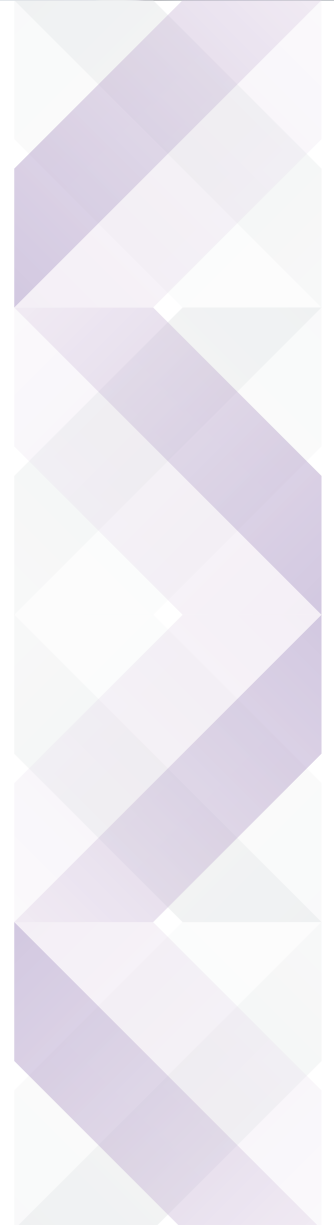
### Reliable quality

A comprehensive manufacturing management system for medical devices



### Flexible cooperation

Multi-level, all-round cooperation and service support



# Shine i1000

Series Automatic Chemiluminescence  
Immunoassay Analyzer



## Excellent Performance

- Up to 120 T/h
- First result  $\leq$  12 min (assay dependent)



## Compact & Convenient

- Footprint 0.19 m<sup>2</sup>, 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 are independently designed for more efficiency.
- 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	120T/h
First Result	≤ 12 min (assay dependent)
Walk Away Time	3 hours

## Power information

Power Requirements	100-240V, 50/60Hz
Power Input	850 VA
Dimension	430(W)*680(D)*620(H)mm(control panel included)

## Physical Information

Construction	Desktop
Weight	≤ 62kg

## Operation Environment

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

## Sample Assembly

Sample Feeder	By sample racks
Sample Position	30 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	10 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	52 positions
Reaction Temperature	37±0.3°C
Reaction Time	Depending on assays
Reaction Mixing	Non-touch vortex mixing

## Accessories & Consumables

Assay Cup Loading	200 cups, continuous loading and offloading
Substrate Loading	Up to 2 bottles
Wash Buffer	10 L/bottle
Solid Waste	200 assay cups per container
Liquid Waste	1 barrel, for collecting waste liquid of the whole machine

# FAPON BIOTECH

## Fapon Biotech Inc.

No.5 Hualian RD, Taiwan High-tech Industrial Park, Songshan Lake, Guangdong, 523808 China  
• 0769-22898886 • <http://en.faponbiotech.com> • [market@fapon.com](mailto:market@fapon.com)

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