

SmarLumi™



**Wondfo**  
Racing For Life

## SmarLumi™ FC-2100

Automatic Chemiluminescence

Immunoassay Analyzer

**Guangzhou Wondfo Biotech Co., Ltd.**

No.8 Lizhishan Road, Science City,  
Huangpu District, 510663, Guangzhou, P.R.China  
Tel: (+86) 400-830-8768  
Website: en.wondfo.com  
E-mail: sales@wondfo.com.cn



© 2023 Guangzhou Wondfo Biotech Co., Ltd.  
All rights reserved Rev.A3 Rel.: 2024/08/02

**Wondfo**

# Product Features

## Flexibility & Efficiency

- STAT mode supported
- Only 0.64 m<sup>2</sup> footprint with 60 sample positions
- <12 mins for the first result
- High throughput with 200T per hour
- RFID management, easy to load reagents

## Better User Experience

- Built-in touch screen operation
- Bidirectional LIS communication
- Visual management of consumables and reagents
- Cuvettes loading by dumping

## Fully Automatic Analyzer

- Primary tube sampling
- Automatic barcode identification
- Automatic dilution function
- Automatic rerun

## Smart & Accurate Machine System

- The carry-over is ≤ 0.5ppm
- Constant 2-8°C reagent refrigeration
- Needle collision protection and block detection
- Liquid level detection
- Automatic switching of double substrate bottles during the operation

# Specification

Methodology	Chemiluminescence Immunoassay (CLIA)
Dimension	900 mm * 710 mm * 590 mm
Weight	140 kg
Throughput	200 T/h
Time for first result	< 12 min
Reagent position	25
Reagent specification	25 or 50 T/Bottle
Reagent refrigeration	2-8°C on board refrigeration
Sample position	60
Sample volume	5-150 µL
Sample type	Whole blood / Serum / Plasma / Urine/ Cerebrospinal fluid
Test mode	Batch / STAT
Probe system	Liquid level detection / Block detection / Collision protection
Storage capacity	≥ 60000 results
Operation system	15.6 inch touch screen /Windows 10 / bidirectional LIS compatible
Dilution function	Support automatic dilution Fixed multiple dilution Exceeded linearity range remeasurement dilution

# TEST MENU

- Available
- In Development

## Cardiac

- cTnT
- BNP
- MYO
- hs-cTnI
- Lp-PLA2
- CK-MB
- NT-proBNP
- ST2

## Kidney function

- NGAL

## Inflammation

- IL-6
- PCT
- SAA

## Thyroid

- TSH
- FT3
- FT4
- TT3
- TT4
- CT
- T-Uptake
- TBG
- TRAb
- TSAb
- rT3
- Anti-TPO\*
- Anti-TG\*
- Tg\*

## TORCH

- TOXO-IgG
- TOXO-IgM
- Rubella IgG
- Rubella IgM
- CMV-IgG
- CMV-IgM
- HSV-1-IgG
- HSV-1-IgM
- HSV-2-IgG
- HSV-2-IgM

## Thrombus

- D-Dimer
- TM
- TAT
- FDP
- PIC
- t-PAIC

## Hypertension

- REN
- Cortisol
- A I
- A II
- ACTH
- ALD

## Gastric function

- G-17
- PGI
- PGI<sub>2</sub>
- HP-IgG

## Tumor Markers

- CA50
- CA242
- CYFRA21-1
- SCCA
- HE4
- NSE
- CA72-4
- CEA
- CA15-3
- CA125
- CA19-9
- ProGRP
- FPSA
- TPSA
- AFP
- PIVKA-II

## Liver fibrosis

- HA
- CIV
- P III PN-P
- LN

## Cranio-cerebral injury

- S100β

## Bone metabolism

- 25-OH VD
- PTH

## Pre-eclampsia

- PLGF
- sFlt-1

## Anemia

- Ferritin
- Folate
- VB12

## Fertility

- AMH
- β-HCG
- PLGF
- sFlt-1
- TESTO\*
- PROG\*
- E2\*
- PRL\*
- LH\*
- FSH\*
- InhB\*

## Infectious disease

- HBeAg
- HBeAb
- HBcAb
- HBsAg
- HBsAb
- anti-TP
- HIV Ag/Ab
- HCV
- M. Pneumonia IgG
- M. Pneumonia IgM
- Chlamydia pn. IgG
- Chlamydia pn. IgM

\* Coming soon in 2024 H2