



# Clinical Chemistry Analyzer FCA2250



Fully Automated



[www.labmarket-eg.com](http://www.labmarket-eg.com)

- Random Access, Fully Automated
- 45 Reagent Positions
- 120 Reaction Cuvettes,
- Liquid Level detection
- Automatic Probe Cleaning Internally & Externally
- Reagents Refrigerator on Board (24 Hour Non-Stop Cooling)
- Up to 240 tests / hour
- 60 Sample Positions
- Automatic Cuvettes Washing System
- Sample Needle with Clot Detector



ISO 9001  
ISO 13485  
Reg.No: 9286

## Clinical Chemistry Analyzer Fully Automated

### Sampling and Reagent tray

60 positions sample  
 Sample volume: programmable 1-100 µl step of 0.5 µl  
 Automatic sample pre-dilution and post dilution  
 Primary tubes up 75 mm or sample cups 12X37mm  
 Accommodates pediatric micro-sample  
 state mode for emergency loading

### Reagents

45 cooled positions reagent  
 Reagent volume: programmable 1-400 µl step of 0.5 µl

### Probe

Reagent level sensor  
 Sample Clot detector  
 Probe cleaning: automatic washing for outside and inside probe wall  
 Independent mixing probe with separate cleaning position

FCA 2250

### Reaction tray & Washing station

120 positions reaction cuvettes in 6 groups with automatic washing station  
 Optical length 6 mm  
 Reaction volume 180-600 µl  
 Reaction temperature 37°C±0.1°C  
 5 washing arms for washing station  
 2 arms for suction and dry cuvette

### Optical System

photometer: reversed optics, static fiber spot photometer  
 Interference filters: 340, 405, 510, 546, 578, 630, 670 and 700 nm other optional filters  
 available on request  
 Photometric range: 0 to 5.0 A  
 Resolution: 0.0001 Abs  
 Light source: halogen-tungsten lamp 12V – 20W

### Analysis Modes

End point with sample blank or reagent blank  
 Use of factor or standard  
 Two-point kinetics and fast kinetic mode  
 immunoturbidimetry methods  
 Selection by sample (profile) or by reagent (batch)  
 Routine, batch, STAT, profiles  
 Full quality control mode  
 Westgard multi- rules  
 Calibration mode: one point, two point and multi points  
 Automatic sample dilution in abnormal levels, excessive substrate consumption and/or  
 failed of linearity  
 Import/export of data, methods

Throughput	Up to 250 tests/hour depending on configuration
Operational System	Windows™ XP, Windows™ VISTA, Interface: bidirectional RS 232
Harmonized Standards	ISO13485, CE, EMC, IEC 61010-1
Power Supply	100 to 240 VAC, 50/60 Hz, 600 W
Dimensions	980 mm x 680 mm x 470 mm
Net Weight	69 kg

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