

MORPAT

The MORPAT fusion of reliability and performance



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Semi Automated Clinical Chemistry Analyser

- Robust and reliable Diagnostics solution
- Consistent performance and easy operation

FLEXIBLE

- Programmed to analyse endpoint, fixed time and kinetic assays
- Storage for 200 user programmable test methods and 10000 test results
- Create up to 10 customised test profiles
- Open System (Any reagents can be used)

ECONOMICAL

- Low reagent consumption
- High quality surface coating ensures long Filter life
- Extended lamp life

ROBUST

- Low maintenance
- Consistent and reliable results
- Indian design and manufacturing



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Technical Specifications



PHOTOMETRIC MODULE

- Seven Narrowband Interference Filters
- Filter Wavelengths: 340, 405, 505, 546, 578, 630 and 670nm (1 open position for optional filter)
- IAD process ensures long filter life
- Wavelength Accuracy: ± 2 nm
- Silicon Photo Diode detector
- Absorbance Range: 0.0–3.0 A
- Resolution: 0.0001 Absorbance Units
- Photometric Drift: < 5 mAbs/30min
- CV: $< 1\%$

TEMPERATURE OF FLOW CELL/CUVETTE

- 25°C, 30°C, 37°C
- Temperature Stability: $\pm 0.2^\circ\text{C}$

DISPLAY

- 5.7 Inch LCD display screen
- High Contrast Display

LIGHT SOURCE :

- Halogen Quartz tungsten lamp, (6V, 10Watt)
- Lamp life saving mode Programmable sleep interval.

KEYBOARD

- Tactile touch QWERTY keypad
- Visual indication on keypad during aspiration

PRINTER

- Internal 57mm thermal printer with full graphics printing

MEASURING MODULE

- Dual mode (Flow cell & Cuvette)
- High quality Quartz flow cell for precise measurements
- 30 μl Flowcell volume
- Peltier-controlled reaction temperature
- External cuvettes (10mm path length)

UNITS

- 15 pre-defined measurement units

REACTION VOLUME

- Minimum aspiration volume - 300 μl
- Maximum aspiration volume - 5ml

DIMENSIONS

- Length : 422mm
- Width : 324mm
- Height : 176mm
- Weight : 6.5kg

ISO 9001-2015 certified | ISO 13485 certified

* Technical specifications subject to change without prior notice.

ANALYSIS METHOD

- Endpoint, Fixed time and Kinetic, Multiple standards
- Sample blanking and Reagent Blanking
- Direct Absorbance measurement mode
- Coagulation Mode (PT / APTT / TT)

TEST PROFILES

- User defined 10 Test Profiles
- 10 tests can be added in each profile

TEST CHANNELS

- 48 dedicated assays
- Direct access keys for dedicated assays
- Open channel capability
- 200 programmable channels

DATA MANAGEMENT

- Storage of up to 10,000 test results
- Stores 30 days QC for each Assay
- Reagent Blank storage

REPORTS

- Search by date, sample ID or Test Name
- Calibration Reports, QC results

INTERNAL INCUBATOR

- Positions : 7
- Temperature : 37 Degree

QC AND CALIBRATION

- Daily and monthly QC with data archiving.

INTERFACE

- RS 232 Port • USB Port
- PC Connectivity (optional)

POWER

- Input Voltage Range : 88- 264 VAC
- Frequency Range : 47 - 63 Hz
- Power consumption : 75 W max



Dealer :



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