

RX-50V[®]

Versatile Bio-Chemistry Analyzer

Enzymes | Substrates | Therapeutic Drugs | Electrolytes | Turbidimetry | Coagulation



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Versatile Bio-Chemistry Analyzer

Features

- User friendly software
- End point method - Storage of abs of reagent blank in memory / 10 graphs for KIN test
- Triplicate calibration mode for EP / KIN / Fix time.
- Triplicate mode of sampling with mean / SD / CV
- Print out of laboratory and doctor's name
- For kinetic test: On line graph and OD, graph editing facility, estimation of result
- Air purge between samples to avoid carry over / lamp saver mode
- 35 Direct test keys for test selection
- Utility mode for self diagnosis checking / 16 bit ADC
- Sample type: serum / plasma / CSF / urine / whole blood / hemolysate
- Calculator for lipid profile / globulin ratio / S. Iron TIBC / bilirubin



Methods of calculations

Absorbance
End Point
Fixed time with standard or factor
Kinetics
Differential / Coagulation - PT / APPT /
Multipoint upto 10 standards

Optical system

Principle: Absorption spectrophotometry
Measurements: From -0.1 to 3.0A
Spectral range: Automatic via filter wheel
Filters: 340, 405, 505, 546, 578 &
630 nm (450 & 670)-**optional**
Bandwidth: 8nm (±2nm)
Light source: Halogen lamp 12v / 20w
or 6v / 10w
Zero: Automatic
Settings: Monochromatic and
Bi-chromatic mode
Detector: Schottkey type
photodiode - silicon

Thermostat: Flowcell / cuvette chamber

Accuracy: ± 0.1°C
Peltier regulated from 20°C to 40°C in
steps of 1°C

Interface

Screen: Graphic LCD 240x128 pixels
Keyboard: Tactile Soft - Touch / USB
Printer: Built-in 57mm thermal printer
RS - 232 for pc connection
Parallel port for 80 column dot matrix
printer - **optional**

Dry bath incubator

13mm diameter: 15 positions
10mm diameter: 4 positions
Default Temperature: 37°C ±0.2°C
3 Inbuilt Timers: T1 / T2 / T3
optional

Power / Dimensions

Voltage: 110 - 220V / 50 - 60 Hz
Power Supply: <110W
Temperature: 10°C to 40°C
Relative humidity: ≤80%
Dimensions: 45cm X 41cm X 17cm

Programming

Table of tests: up to 235
Table of units: up to 9 units (editable)
Memory: 1000 test results



Cuvettes

Flow cell of 18 µL or 32 µL
Cuvettes: Semi-micro & micro plastic or glass

Suction system

Bi-Directional peristaltic pump / Sipping
volume programmable from 100 µL to 1.0 ml.

Quality control

3 controls per test - Low, normal & high
Quality control storage
Levy-Jennings charts & Westgard's rules