

RX-50V

Versatile Bio-Chemistry Analyzer

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



RX-50V

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 for

Spectral range: Automatic via filter wheel

Filters: 340, 405, 505, 546,
578 & 630 nm (450 & 670)*

Bandwidth: 8nm (± 2 nm)

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: $\pm 0.1^\circ\text{C}$

Peltier regulated from 20°C to 40°C in
steps of 1°C

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.

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*

Dry bath incubator

13mm diameter: 15 positions

10mm diameter: 4 positions

Default Temperature: $37^\circ\text{C} \pm 0.2^\circ\text{C}$

3 Inbuilt Timers: T1 / T2 / T3

Power / Dimensions

Voltage: 110 - 220V / 50 - 60 Hz

Power Supply: <110W

Temperature: 10°C to 40°C

Relative humidity: $\leq 80\%$

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

Quality control

3 controls per test - Low, normal & high
Quality control storage

Levy-Jennings charts & Westgard's rules



Technical specifications subject to change without prior notice

* OPTIONAL

Product manufactured by Micro Lab Instruments
An ISO 9001:2008 certified company