

# RX-50V<sup>®</sup>

## 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)\*

Bandwidth: 8nm ( $\pm 2$ nm)

Light source: Halogen lamp 12v / 20w  
or 6v / 10w

Zero: Automatic

Settings: Monochromatic and  
Bi-chromatic mode

Detector: Schottkey type  
photodiode - silicon

## 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°C  $\pm 0.2$ °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

## Thermostat: Flowcell / cuvette chamber

Accuracy:  $\pm 0.1$ °C

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

## Cuvettes

Flow cell of 18  $\mu$ L or 32  $\mu$ L

Cuvettes: Semi-micro & micro plastic or glass

## Suction system

Bi-Directional peristaltic pump / Sipping  
volume programmable from 100  $\mu$ L to 1.0 ml.

## 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

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