

# CRYSTAL



DIAGNO VISION



## RX-50V<sup>®</sup>

Versatile Bio-Chemistry Analyzer

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

### FEATURES

- ◆ User Friendly Software
- ◆ Endpoint 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: Online 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 of Lipid Profile / GlobulinRatio / Bilirubin

Products Manufactured By

**MICRO LAB**  
ARRAY OF INNOVATIONS

ISO Certification : 9001:2008



## CRYSTAL DIAGNO VISION

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## METHODS OF CALCULATIONS

Absorbance with Standard or Factor  
**End Point - Fixed Time - Kinetics**  
Differential / Coagulation -  
PT / APPT / Multipoint upto 10 Standards

## 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

## OPTICAL SYSTEM

Principle: Absorption Spectrophotometry  
Measurements: From -0.1 to 3.0 A  
Spectral Range: Automatic via Filter Wheel  
Filters: 340, 405, 505, 546, 578 & 630nm  
(450 & 670) - optional  
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

## PROGRAMMING

Table of Tests: Upto 235  
Table of Units: Upto 9 Units (Editable)  
Memory: 1000 Test Results

## THERMOSTAT: FLOWCELL / CUVETTE CHAMBER

Accuracy:  $\pm 0.1^{\circ}\text{C}$   
Peltier Regulated from  $20^{\circ}\text{C}$  to  $40^{\circ}\text{C}$   
in steps of  $1^{\circ}\text{C}$

## 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 - 220 V / 50 - 60 Hz  
Power Supply:  $< 110$  W  
Temperature:  $10^{\circ}\text{C}$  to  $40^{\circ}\text{C}$   
Relative Humidity:  $\leq 80\%$   
Dimensions: 45cm x 41cm x 17cm

## CUVETTES

Flow Cell of  $18\mu\text{L}$  or  $32\mu\text{L}$   
Cuvettes: Semi-Micro & Micro Plastic or Glass

## SUCTION SYSTEM

Bi-Directional Peristaltic Pump / Sipping  
Volume Programmable from  $100\mu\text{L}$  to  $1.0\mu\text{L}$

## QUALITY CONTROL

3 Controls per Test - Low, Normal & High  
Quality Control Storage  
Levy-Jennings Charts & Westgard's Rules

