

RX-50

Versatile Clinical Chemistry Analyzer

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



RX-50

Versatile Clinical Chemistry Analyzer

Features

- User friendly interface with non linear software for elisa
- End point method - Storage of abs of reagent blank in memory
- Editing of patient ID, name (12 characters), factor
- Print out of laboratory and doctor's name
- For kinetic test: On line graph and OD, graph editing facility, estimation of result, re-read by enter key
- Air purge between samples to avoid carry over
- 35 Direct test keys for test selection
- Lamp saver mode
- 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 / concentration

End Point

Fixed time

Kinetics

Differential

with standard or factor

Multi standard calibration curve

Multipoint upto 10 standards: Point to point,

Log-linear, Log-log, Log-Exponential

Kinetics

Incubation time 1 to 999 seconds in
Interval time steps of 1 second

Aspiration System

Bi-Directional peristaltic pump /

Sipping volume programmable from

100 µl to 1000 µl automatic calibration

Air purge volume : programmable

from 30µL to 150µL.

Quality control

3 controls per test - Low, normal & high
Levy-Jennings charts

Optical system

Principle: Absorption spectrophotometry

Measurements: From -0.1 to 3.0A for
340nm, -0.1 to 3.5A for WL
range 405 - 766nm

Filters: 340 - 766nm

Bandwidth: 8nm (±2nm)

Reading Error: ±2% at 1.5A
±3% at 1.51 to 2.5A

Light source: Quartz Halogen lamp
12v / 20w

Zero: Automatic
Settings: Monochromatic and
Biochromatic readings

Detector: Schottkey type
photodiode - silicon

Thermostat system

Accuracy: ± 0.1°C

Peltier regulated 25°, 30° and 37°C / RT

Cuvettes

Flow cell of 25 µL

Removable Cuvettes: Quartz Flowcell, Square
semi-micro plastic, round test tubes ø 13mm

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*

Programming

Table of tests: up to 235

Table of units: up to 9 units

Memory: 1000 results
with high / low flag

Quality control storage of the last 30 results

Power / Dimensions

Voltage: 220 - 240VAC / 50Hz

Power Supply: <80W

Temperature: 10°C to 40°C

Relative humidity: ≤80%

Dimensions: 38cm X 41cm X 15cm

Storage: Temperature 0°C to 50°C
Relative humidity: ≤90%

Resettable Fuse: 6A