

RX-50

Versatile Clinical Chemistry Analyzer

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



RX-50

Versatile Clinical Chemistry Analyzer

Features

- User friendly software
- 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
- 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 / Fixed time / Kinetic /
End point / Differential /
Multipoint upto 10 standards

Optical system

Principle: Absorption spectrophotometry
Measurements: From -0.1 to 3.0A for
340nm, -0.1 to 3.5A for WL
range 405 to 670nm
Filters: 340 - 630nm
2 extra free positions
Bandwidth: 8nm (±2nm)
Reading Error: ±2% at 1.5A
±3% AT 1.51 TO 2.5A
Light source: 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 18 µL
Removable Cuvettes: Flowcell, Square semi-
micro plastic, round test tubes ø 13mm

Interface

Screen: Graphic LCD 240x128 pixels
Keyboard: Tactile Soft - Touch
Printer: Built-in 57mm thermal printer
Parallel port for 80 column dot
matrix printer (optional)

Aspiration System

Bi-Directional peristaltic pump /
Sipping volume programmable from
100 µL to 2000 µL
Air purge volume : programmable
from 30µL to 150 µL.

Power / Dimensions

Voltage: 110 - 220V / 50 - 60 Hz
Power Supply: <80W
Temperature: 10°C to 40°C
Relative humidity: ≤80%
Dimensions: 38cm X 41cm X 15cm

Programming

Table of tests: up to 235
Table of units: up to 9 units
Memory: 1000 Test results
Quality control storage of the last 30 results

Quality control

2 controls per test - Normal & Abnormal
Levy-Jennings charts

Ordering Information

Catalog #	Description
830-3000	Model RX-50 Bio-Chemistry semi auto analyzer includes: Specification as per the list, spare fuse, dust cover, operating manual, 2 thermal printer rolls, waste bottle with stand
830-3001	Model RX-50 Bio-Chemistry semi auto analyzer includes: Flow cell: 32 µL Filters: 340, 405, 450, 505, 546, 578, 630 & 670nm QC: 3 levels USB Keyboard, power adapter, dust cover, operating manual, 2 thermal printer roll, waste bottle with stand
830-3002	Model RX-50 Bio-Chemistry semi auto analyzer includes: Flow cell: 32 µL Filters: 340, 405, 450, 505, 546, 578, 630 & 670nm Stepper motor driven peristaltic pump, power cord, spare fuse, dust cover, operating manual, 2 thermal printer roll, waste bottle with stand
830-3003	Model RX-50 Bio-Chemistry semi auto analyzer includes: Filters: 340, 405, 505, 546, 578 & 630 nm +2 extra position Memory: 2000 test results Power cord, spare fuse, dust cover, operating manual, 2 thermal printer roll, waste bottle with stand
830-3004	Model RX-50 Bio-Chemistry semi auto analyzer includes: Halogen Lamp: 6V-10 W Filters: 340, 405, 450, 505, 546, 578, 630 & 670nm Memory: 2000 test results Peristaltic pump, power cord, spare fuse, dust cover, operating manual, 2 thermal printer roll, waste bottle with stand