

ARX-3 IN 1[®]

Clinical Chemistry / Coagulation / Elisa Analyzer

Enzymes | Substrates | Therapeutic Drugs | Electrolytes | Turbidimetry | Coagulation | Cut Off / ELISA



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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



Clinical Chemistry: Methods

Absorbance / Kinetics / Fixed time /
End point with standard / factor
Differential /
Multipoint upto 10 standards

ELISA Strip Reader

Wells: 8 position
Filters: 405 to 670 nm
Methods: Cut-off / Multi Standard
O.D. Range: 0-3.5A

Coagulation

INR / ISI Value / % / Seconds
Auto start
Parameters: PT / APTT / Fibrinogen
Filter: 405 nm / 630 nm

Interface

Screen: Graphic LCD 240x128 pixels
Keyboard: Tactile Soft - Touch / USB*
Printer: Built-in 57mm thermal printer

Thermostat system

Accuracy: $\pm 0.1^{\circ}\text{C}$
Peltier regulated 25° , 30° and 37°C / RT

Programming

Table of tests: up to 235
Table of units: up to 9 units (editable)
Memory: 1000 test results
Quality control storage of the last 30 results

Optical system

Principle: Absorption spectrometry
Measurements: From -0.1 to 3.5A
Spectral range: Automatic via filter wheel
Filters: 340, 405, 450, 505, 546,
578, 630 and 670 nm
Interference type
Bandwidth: 8nm (± 2 nm)
Reading Error: $\pm 5\%$ at 0.10A
 $\pm 2\%$ at 1.00A
 $\pm 2\%$ at 2.00A
Light source: Halogen lamp
Zero: Automatic
Settings: Monochromatic and
Biochromatic readings
Detector: Schottkey type
photodiode - silicon

Quality control

3 controls per test - Low/Normal/High
Levy-Jennings charts & Westgard's rules

Technical specifications subject to change without prior notice

Suction system

Bi-Directional peristaltic pump /
Sipping volume programmable from
200 μL to 2.0 ml.

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

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

Cuvettes

Flow cell of 18 μL
Removable Cuvettes: Macro, Semi-micro & micro

Dry bath incubator at $37^{\circ}\text{C} \pm 2^{\circ}\text{C}$

9 positions for test tubes
9 positions for cuvettes
1 position for 8 well strip

* OPTIONAL