

# 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  
Parallel port for 80 column dot matrix printer\*

## Thermostat system

Accuracy:  $\pm 0.1^{\circ}\text{C}$   
Peltier regulated  $25^{\circ}$ ,  $30^{\circ}$  and  $37^{\circ}\text{C}$  / 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 spectrophotometry  
Measurements: From -0.1 to 3.0A  
Spectral range: Automatic via filter wheel  
Filters: 340-760nm interference type  
Bandwidth: 8nm ( $\pm 2\text{nm}$ )  
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

## Cuvettes

Flow cell of 18  $\mu\text{L}$   
Removable Cuvettes: Macro, Semi-micro & micro

## Suction system

Bi-Directional peristaltic pump /  
Sipping volume programmable from  
200  $\mu\text{L}$  to 2.0 ml.

## 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

## Power / Dimensions

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

\* OPTIONAL

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