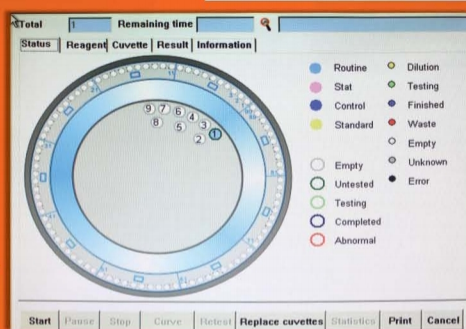


# SP120

Bench Top Random Access Chemistry Analyzer

## Your First Choice For Automizing Your Lab



- Throughput up to 120 Tests / hour.
- liquid level detection.
- Reagent pre-heater.
- Minimal carryover operation assure accurate results.
- intuitive User-friendly software, simple programming and operation.
- Ideal for the medium sized / laboratories.
- For large laboratory as a specialized chemistry system and as a backup solution.
- The SP 120 use Spectrum reagent concept, taking advantage of Spectrum's 10 years experience in producing high-quality Single Liquid chemistry reagents.

- 1 Efficient
- 2 Precise
- 3 Economical

# SP120

Bench Top Random Access Chemistry Analyzer

## Ready-To-Use Liquid Reagents

### Substrates

Alb., Bil., Cho., HDLc., LDLc., Creat., Glu., MTP, TBA, T.P., Trig., Urea, U.A.

### Enzymes

ALP, Amylase, CK, CK-MB, GGT, GOT, GPT, LDH, Lipase

### Electrolytes

Ammonia, Calcium, CHL., CO<sub>2</sub>., Cop., Iron, Mg., Pho., Pot., Sod., Zinc

## Turbidimetry

ASO, CRP, Cystatin C, RF, Micro Albumin in Urine, Ferritin



## TECHNICAL SPECIFICATIONS

### System Function

- Throughput: Up to 120 tests/ hour
- Types of test: Clinical chemistry, turbidimetric immunoassay electrolytes
- Analytical models: End-point, fixed Rate , Kinetic
- Automatic, Random Access
- System interface Analyzer: USB connectivity bi-directional; CPU: Pentium IV or higher
- STAT sample priority

### Probe

- Pre-heating for reagent
- Collision protection, Liquid level detection and Inventory checking
- Automatic inner and outer probe washing after every cycle, carry-over <0.1%

### Reagent Tray

- Reagent position: 26 positions for reagents (Can be customized)
- Reagent volume:  
R1: 180 ~ 450 µl , 1 µl increment  
R2: 3 ~ 450 µl , 1 µL increment

### Sample Tray

- Sample position: Minimum of 9 positions for samples
- Sample volume: 3 - 45 µl. 0.5 ul adjustable
- Any position for standard and quality control setting

### Reaction Tray

- Reaction positions: 90 cuvettes, 10 cuvettes/strip
- Cuvette: Optical length 5mm
- Reaction volume: 180 - 500 µl
- Reaction temperature: 37°C, fluctuation ±0.3

### Printing

- Built-in thermal printer,/external printer optional

### Measuring and Optic System

- Lamp: Halogen lamp
- Absorbance range: 0-3,500Abs
- Wavelengths: 8 wavelengths ( 340, 405, 450, 510, 546, 578, 630, 670 ) nm
- Resolution: 0.0001A8S

### Working environment

- Power supply: 100-240 VAc 50/60 Hz
- Temperature: 20~35°C
- Humidity: 35 ~ 80%
- Dimension: 630\*480\*510 mm (mm)
- Weight: 70kgm without monitor



# LAB Market

بنها - عمارة ٢ غرب الاستاد - بجوار كنتاكي - خلف نقابة الاطباء ومطعم الرشيدى

## لاب ماركت

- مستلزمات معملية
- كيمويات
- أجهزة
- صيانة

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