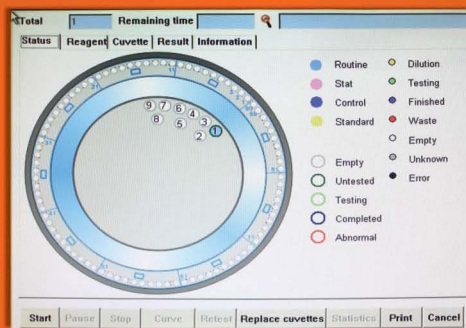


SP120

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., CO₂., 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