

SPOTCHEM EZ

Small, benchtop, fully automated biochemistry analyser



- Internal centrifuge reduces manual handling of samples
- Seven different multi-test panels available
- Flexibility to run single parameter tests when required
- Can measure up to 9 parameters simultaneously on a sample
- Simple calibration by magnetic card
- Easy to use with minimal maintenance



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Spotchem EZ Specifications

Measurement principle	Dual wavelength reflectometry with end-point and kinetic assays
Sample type	Serum, Plasma, Whole Blood
Sample required	6ul per test + 38ul: serum, plasma
Parameters available	21
Simultaneous measurement	1-9 parameters (3 single strips plus 1 multi strip)
Throughput	63 tests /hour (9 tests per batch)
Calibration method	Magnetic card
Memory	100 tests
Display	20 digits x 2 lines LCD
Built-in printer	36 character thermal printer
External Output	RS 232C interface
Power Supply	AC100-120V, 220-240V, 50-60Hz
Dimensions	338(w) x 203(d) x 167(h) mm
Weight	5.4kg approx
Operating Temperature	10 – 30°C

Single Test Strips

Albumin	10 – 60 g/l
Alkaline Phosphatase	50 - 1,500 U/l
ALT (GPT)	10 - 1,000 U/l
Amylase	10 - 800 U/l
AST (GOT)	10 - 1,000 U/l
Calcium	0.75 - 4.99 mmol/l
Total Cholesterol	1.29 - 10.34 mmol/l
CPK	50 - 2,000 U/l
Creatinine	27 - 3,536 µmol/l
Fructosamine	50 - 1,000 µmol/l
Gamma-GT	10 - 1,500 U/l
Glucose	1.1 - 25.0 mmol/l
Direct HDL Cholesterol	0.26 - 3.88 mmol/l
LDH	100 - 4,000 U/l
Magnesium	0.08 - 2.47 mmol/l
Inorganic Phosphorus	0.16 - 6.46 mmol/l
Total Bilirubin	3 - 428 µmol/l
Total Protein	20 - 110 g/l
Triglyceride	0.28 - 5.65 mmol/l
BUN (Urea)	1.8 - 71.4 mmol/l
Uric Acid	59 - 1190 µmol/l

Measurement Range

Multi-parameter Strips

Panel-V	Alk. Phosphatase, ALT, Creatinine, T. Protein, BUN, Glucose
Kidney-2	Albumin, Creatinine, T. Protein, BUN, Uric Acid
Liver-I	Albumin, ALT, AST, LDH, T. Bilirubin, T. Protein
Heart-2	AST, CPK, T. Cholesterol, LDH, T. Protein, BUN
Panel-I	ALT, AST, T. Cholesterol, Glucose, T. Bilirubin, BUN
Panel-2	Albumin, Calcium, LDH, Triglyceride, T. Protein, Uric Acid
Stat-I	ALT, AST, CPK, LDH, T. Bilirubin, BUN

Parameters



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