

Automated biochemical analyzer

SPOTCHEM™ EZ

SP-4430



Streamlined and easy operation
with better outcomes

Fructosamine measurable

Fructosamine, a useful test item for diabetes monitoring, can be measured easily. Some products may not be available in all countries. Please check with your local ARKRAY representative or distributor about product availability in your area.

Automatic calibration is completed in a second !

By reading the "magnetic card" provided in each reagent box, specific reagent lots are automatically calibrated. Now users are totally free from complicated calibration operation.

Related products

Electrolyte measuring system

SPOTCHEM EL
SE-1520

Micro-volume samples measurable .

Sample volume is about 22 μ L.

Various specimens supported.

Measurable specimens are whole blood, serum and plasma.



3 steps operation

1. Set a pipette tip and a sample tube.



2. Set test strips.



3. Press the START key to run a test.
Test results are printed out automatically.



Testing by disease or purpose enabled by multi-type reagents

Eight types of multi-type reagents are available, which can measure multiple items with one strip.

By combining with single-type reagents, up to nine items can be measured together.

PANEL	Single test item																				
	Alb	ALP	Amy	BUN	Ca	CPK	Cre2	FRA	GGT	Glu	GOT	GPT	HDL-C	IP	LDH	Mg	T-Bil	T-Cho	TG	T-Pro	UA
PANEL -V2		●		●			●			●		●								●	
KENSHIN -2									●		●	●	●					●	●		
STAT -1				●		●					●	●			●		●				
PANEL -1				●						●	●	●					●	●			
Liver -1	●										●	●			●		●			●	
Heart -2				●		●					●				●			●		●	
Kidney -3	●			●			●								●					●	●
PANEL -2	●				●										●				●	●	●

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Specifications			
Sample	Serum, Plasma, Whole blood	Light source	LED and Interference filter
Measurement item	Glu, UA, T-Cho, TG, BUN, T-Bil, Ca, T-Pro, Alb, GOT, GPT, LDH, CPK, Amy, GGT, ALP, Cre2, HDL-C, FRA, IP, Mg (Total test items : 21) A maximum of 9 items of simultaneous measurement is available	Data storage volume	100 tests
		Display	20 digits×2 lines LCD
		Built-in Printer	36-character thermal printer (58 mm width)
		External Output	RS-232C interface
Measurement wavelength	5 wavelengths (405, 550, 575, 610 and 820 nm)	Measurement conditions	Temperature: 10 - 30 °C Humidity: 20 - 80 % RH (Non-condensing)
Measurement principle	Optical measurement of reflection intensity of reagent color reaction	Power supply	AC100 - 120 V, 220 - 240 V 50/60Hz (AC adapter)
Reagent Strip	SPOTCHEM II Reagent Strip	Dimensions	338 mm (W) ×203 mm (D) ×167 mm (H)
Processing speed	63 items per hour	Weight	Approximately 5.4 kg
Minimum sample volume	6 × the number of measurement items + 38 μ L: serum, plasma	Power input	Max. 100VA
Sample consumption	4 - 6 μ L (per 1 measurement item): serum, plasma		
Sample container	Whole blood: exclusive whole blood sample tube, Centrifuge tube Serum, plasma: exclusive serum sample tube		

Legal manufacturer

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*Designs and specifications may be changed without prior notice.

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