

Automated analyzer for clinical chemistry

# SPOTCHEM™ EZ

SP-4430



Streamlined and easy operation  
with better outcomes

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## Fructosamine measurable

Fructosamine, a useful test item for diabetes diagnosis, can be measured easily.

## 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 operation.

## Related products

Electrolyte Analyzer with Ion-Selective Electrodes

### SPOTCHEM EL

SE-1520

#### Micro-volume samples measurable .

Measurable specimens are whole blood, serum, plasma and urine.

#### Various specimens supported.

Measurable specimens are whole blood, serum, plasma and urine.



## Easy operation just in 3 steps

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-W	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	●				●										●				●	●	●	

## Specifications

Sample	Serum, Plasma, Whole blood (When use the exclusive centrifuge tube.)	Sample container	Whole blood : exclusive whole blood, centrifuge tube Serum, plasma : exclusive serum sample tube
Reagent	SPOTCHEM II Reagent Strip	Setting sample	1 sample
Measurement item	Glu, UA, T-Cho, TG, BUN, T-Bil, Ca, TP, Alb, GOT, GPT, LDH, CPK, Amy-W, GGT, ALP, Cre, HDL-C, FRA, IP, Mg (Total test items : 21) A maximum of 9 items of simultaneous measurement is available	Display	20 digits × 2 lines LCD (Character display type)
Measurement principle	Optical measurement of reflection intensity of reagent	Memory capacity	100 measurements results
Warm-up	10 minutes (25°C)	Printer	58mm width built-in thermal line printer
Processing speed	63 tests per hour	Light source	LED + Interference filter
Minimum sample volume	6 × number of measurement item + 38 μL : (Only when serum is distributed in a sample tube.) Min. 250 μL : (When whole blood is distributed in a centrifuge tube.)	External output	RS-232C interface
Sample consumption	4 ~ 6 μL (per 1 measurement item): serum, plasma	Bar code reader	External hand-held type (RS-232C)
		Measurement conditions	Temperature : 10 ~ 30°C, Humidity : 20 ~ 80% (non-condensing)
		Dimensions	338 (W) × 203 (D) × 167 (H)mm
		Weight	5.4kg
		Power supply	AC 100 ~ 120V, 220 ~ 240V 50/60Hz (AC adaptor)
		Power consumption	100W

※Design and specifications may be changed without prior notice.

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