



Automated Biochemical Analyzer

SpotChem D-Concept 2c

SD-4830



Connecting to the future with the experience and technology we have cultivated

Pursuing further usability using Mobile device

- Compact design
- Simplified body
- Eliminating pre-processing with built-in centrifuge

Making the testing for primary care accessible for anyone

Eliminating pre-processing with built-in centrifuge

Put a whole blood sample in a dedicated centrifuge container and set it in the centrifuge. Automatically process a sequence of operations of centrifugation→aspiration→sample application.

Eliminating the labor of centrifugation of the whole blood sample before measurement.



Testing by disease or purpose with multiple reagent

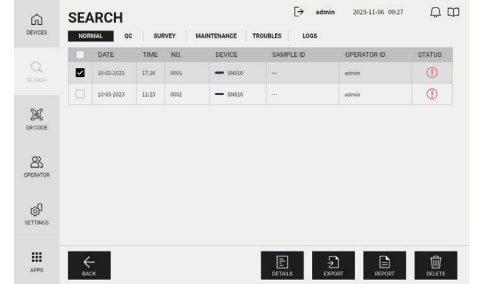
The multiple reagent is a single test strip to enable to measure multiple items. Maximum of 12 items can be measured simultaneously with 1 multiple reagent and 6 single reagents.

The combination of reagents enables sets of testing according to different diseases and purposes.

Pursuing further usability using Mobile device

Mobile device as an operator panel adopted

Enables to operate the main body of the instrument, check measurement results, and perform quality control.



• Intuitive operation

Intuitive operation is possible with the touch panel.

• Calculation items supported

Calculate the result of LDL-C, UN/CRE, AST/ALT, etc. by calculating each measurement value of required items.

• Advanced auxiliary functions

Contents of measurement results and quality control can be exported, reported, and deleted.

*As "Simple mode" is equipped, measurement can be performed even in the case a mobile device cannot be used.

Specification			
Measurement Objects	Serum, Plasma, Whole blood	Required sample vol.	When using cuvette: 30 μ L + sample consumption volume per 1 measurement When using a centrifuge container: approx. 530 μ L
Reagents	SPOTCHEM D single reagent, SPOTCHEM D multiple reagent	Sample container	SPOTCHEM D dedicated cuvette, SPOTCHEM D dedicated centrifuge container
Measurement parameter	GLU,UA,TC,TG,UN,T-BIL,Ca,TP,ALB,AST(GOT),ALT(GPT),LD,CK,AMY,GGT,ALP,CRE,HDL,FRA,IP,Mg	Startup time	Approx. 8 minutes (at room temp. of 25 °C)
Measurement Principle	Endpoint method and reaction rate method using dual wavelength reflectance photometry	Measurement environment	Temperature: 10 to 30 °C, Humidity: 20 to 80 % R.H. (No condensation)
Measurement Wavelength	405 nm,550 nm,575 nm,610 nm,820 nm	Dimensions*	360 (W) x 290 (D) x 160 (H) mm
Reagents measurable at once	6 single reagents, 1 multiple reagent	Weight*	Approx. 10 kg
Processing Speed	Reagent reaction time + approx. 2 mins. and 30 sec.	Power Supply Voltage	AC100~240 V \pm 10 %, 50/60 Hz
Sample consumption	approx. 6 μ L per item		

*Mobile device is not included. Main unit only

Legal manufacturer

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*Designs and specifications may be changed without prior notice.

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