Parameters — FDC 4000i

Classification		Parameter	Measurement range (*) Unit (A)	Measurement range (*) Unit (B)	Measurement time (min.)
Biochemical tests	Enzymes	ALP	50 ~ 3500 U/L	0.84 ~ 58.45 μ kat/L	4
		AMYL	10 ~ 1800 U/L	0.17 ~ 30.06 μ kat/L	5
		CHE	5 ~ 500 U/L	0.08 ~ 8.35 μ kat/L	4.5
		CKMB	1 ~ 300 U/L	0.02 ~ 5.01 μ kat/L	5
		CPK	10 ~ 2000 U/L	0.17 ~ 33.40 μ kat/L	4
		GGT	10 ~ 1200 U/L	0.17 ~ 20.04 μ kat/L	5
		GOT/AST	10 ~ 1000 U/L	0.17 ~ 16.70 μ kat/L	4
		GPT/ALT	10 ~ 1000 U/L	0.17 ~ 16.70 μ kat/L	4
		LAP	10 ~ 500 U/L	0.17 ~ 8.35 μ kat/L	4
		LDH	50 ~ 900 U/L	0.84 ~ 15.03 μ kat/L	2
	General chemistry	ALB	1.0 ~ 6.0 g/dL	10 ~ 60 g/L	6
		BUN	5.0 ~ 140.0 mg/dL	1.79 ~ 49.98 mmol/L	4
		Ca	4.0 ~ 16.0 mg/dL	1.00 ~ 4.00 mmol/L	4
		CRE	0.2 ~ 24.0 mg/dL	18 ~ 2122 μmol/L	5
		DBIL	0.1 ~ 16.0 mg/dL	2 ~ 274 μmol/L	5
		GLU	10 ~ 600 mg/dL	0.6 ~ 33.3 mmol/L	6
		HDL-C	10 ~ 110 mg/dL	0.26 ~ 2.84 mmol/L	6
		IP	0.5 ~ 15.0 mg/dL	0.16 ~ 4.84 mmol/L	5
		Mg	0.2 ~ 7.0 mg/dL	0.08 ~ 2.88 mmol/L	4.5
		NH_3	10 ~ 500 μg/dL	7 ~ 357 μmol/L	2
		TBIL	0.2 ~ 30.0 mg/dL	3 ~ 513 μmol/L	6
		TCHO	50 ~ 450 mg/dL	1.29 ~ 11.64 mmol/L	6
		TG	10 ~ 500 mg/dL	0.11 ~ 5.65 mmol/L	4
		TP	2.0 ~ 11.0 g/dL	20 ~ 110 g/L	6
		UA	0.5 ~ 18.0 mg/dL	30 ~ 1071 μmol/L	4
	Electrolytes	Na	75 ~ 250 mEq/L	75 ~ 250 mmol/L	1
		K	1.0 ~ 14.0 mEq/L	1.0 ~ 14.0 mmol/L	
		Cl	50 ~ 175 mEq/L	50 ~ 175 mmol/L	
Immunological test		CRP	0.3 ~ 7.0 mg/dL	3 ~ 70 mg/L	5

*Unit (A) or (B) is available

Main specifications

Measurement test	Colorimetry 26 tests Electrolytes 3 tests	Sample volume	Colorimetry 10 μL/ test, Electrolytes 50 μL/ 3 tests (Na,K,Cl)
Throughput	Colorimetry 60 tests/hour Electrolytes 140 tests/hour Combined 77 tests/hour	Data transmission to PC	USB 2.0 or RS-232C Serial D-Sub 9 pin -9 pin cross cable
Number of sample rack	1	Data print	Thermal Printer
Number of incubation	Colorimetry 6, Electrolytes 1	Electrical requirements	AC 100-240V, 50/60 Hz, 200VA
Measurement time	Colorimetry 2 to 6 minutes/test, Electrolytes 1 minute/ 3 tests (Na,K,Cl)	Dimensions	415 (W) x 390 (D) x 290 (H)mm
		Weight	Approx. 20 kg
Sample type	Plasma, Serum, Whole blood*	Operating temperature	15 to 32 ℃
		Operating humidity	30 to 80 %RH

*NH_3-W: Whole blood only
Na,K,Cl: Plasma, Serum, Whole blood
Other test items: Plasma, Serum

Other Consumables

FUJI DRI-CHEM AUTO TIPS
FUJI DRI-CHEM MIXING CUPS S
FUJI HEPALIN TUBE 1.5ml / 0.5ml (For Plasma sample)
FUJI PLAIN TUBE 1.5ml / 0.5ml (For Serum sample)
RECORDING PAPER

FUJI DRI-CHEM CONTROL QP-L
FUJI DRI-CHEM CONTROL QP-H
FUJI DRI-CHEM CONTROL QN (For NH3)
FUJI DRI-CHEM CONTROL QE (For Na,K,Cl)
FUJI DRI-CHEM REFERENCE FLUID RE (For Na,K,Cl)
FUJI DRI-CHEM DILUENT DL(CRP) (For CRP)
FUJI DRI-CHEM CALIBRATOR CP(CRP) (For CRP)

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The specifications and appearance of the present brochure may be changed without prior notification in order to improve the system. Please be sure to read the instruction manual carefully for proper use of the equipment.

0904

FUJIFILM

FUJI DRI-CHEM

Automated Clinical Chemistry Analyzer
FUJI DRI-CHEM 4000i

Touch-and-Slide
Opening a New Horizon for a More Precise POCT World

Fully Automatic Analyzer for more convenient and reliable on-site performance, featuring remarkable TAT response and wider network system capability.
For all clinical settings, ranging from small clinics to large hospitals.

FUJI DRI-CHEM 4000i

New Space-saving Design

FDC4000i is fitted with a sliding type cover over the sampling compartment. With this new design, FDC4000i takes up less space.

New TIP shape for faster mixing speed

FUJI DRI-CHEM AUTO TIPS are newly designed to achieve higher mixing speed, resulting in more stable and reliable results.

Quick operation and Quick response

The operation is quick and requires less time to acquire test results.

Time required for 6 tests : **8** min **42** sec.
Time required for 12 tests : **16** min **37** sec.

TAT (Turn around time) is the time from when slides are set until final results.

Display and PRINTOUTS in Five Languages

English, German, French, Italian and Spanish languages are available for FDC4000i.
Cautions given on the back of the slide packages are also printed in these five languages.

Electrolyte measurement function

Multi-functional;many blood components can be tested.

Equipped with electrolyte measuring function.

Colorimetry
26 tests
+
Electrolytes
3 tests

Auto-dilution function

Automates the time-consuming dilution procedure

Automates various time-consuming dilution procedures done by hand such as pipetting and mixing. Dilutes automatically to a preset dilution ratio just by setting the dilution cup and dilution solution.

Simple 3-step procedure

The basic procedure consists of 3 steps

Completely automated, from pushing the START key to the printout of the data.
There is no need to specify the tests beforehand since two lots of dots on the back of the slide can be read automatically to obtain accurate results.

Set the slide → **Set the specimen** → **Push the START key**

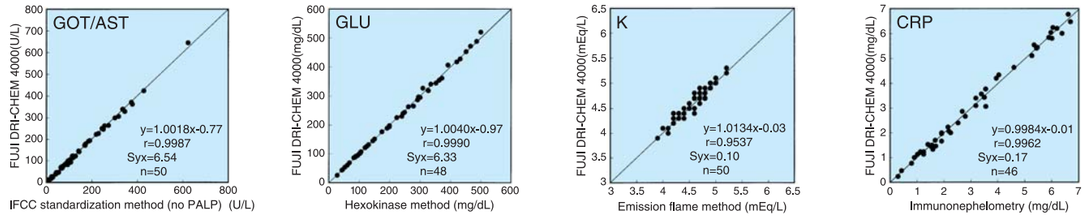
QC card system

Calibration of each lot can be performed easily by reading the QC card. QC information is memorized for up to two lots. Slide lot differentiation is conducted automatically.

High reliability

Employs highly stable slide reagents using fine chemical technology developed by Fujifilm

Excellent simultaneous and intraday reproducibility results, and little fluctuation in data due to differences between operators.



FUJI DRI-CHEM SLIDE

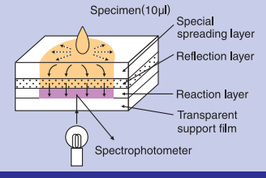
Aside from the barcodes, the new FUJI DRI-CHEM slides are imprinted with dots. The pattern of the dots differs in every type of slide and product lot. With this dot imprint feature, FDC4000i can store slide information of two product lots.
The slide type, slide lot number and slide expiration date are checked in every operation.
FDC 4000i provides more reliable test results with this new function.

Colorimetry slide (Enzyme, General chemistry, Immunology)

●**External appearance of biochemistry slide**

Front Back

●**Composition of multilayered analytical film**



Potentiometric slide (Electrolytes)

●**External appearance of slide**

Front Back

●**Composition of multilayered film electrode**