Parameters

FDC 7000 i

Classification		Parameter	Measurement range(*) Unit (A)	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

Specifications

PRODUCT NAME : FUJI DRI-CHEM 7000i

Measurement test	Colorimetry 26 tests Electrolytes 3 tests
Throughput	Colorimetry 180 tests/hour*1 Electrolytes 90 tests/hour*2 Combined 190 tests/hour
Number of sample rack	5
Number of incubation	Colorimetry 13, Electrolytes 1
Measurement time	Colorimetry 2 to 6 minutes/test, Electrolytes 1 minute/ 3 tests (Na,K,Cl)
Sample type	Plasma, Serum, Whole blood*3
Sample volume	Colorimetry 10 μL /test, Electrolytes 50 μL / 3 tests (Na,K,Cl)
Data transmission to PC	USB2.0 or RS-232C Serial D-Sub 9pin - 9 pin cross cable
Data print	Thermal Printer
Electrical requirements	AC 100-240V, 50/60 Hz, 300VA
Dimensions	540 (W) x 420 (D) x 450 (H)mm
Weight	Approx. 40 kg
Operating temperature	15 to 32 ℃
Operating humidity	30 to 80 %RH

*1 Maximum processing capability/hour when only enzyme parameter slide is measured.
*2 Maximum processing capability/hour when only electrolyte slide is measured by automatic pipetting.
*3 NH_3-W: Whole blood only
Na,K,Cl: Plasma, Serum, Whole blood
Other test items: Plasma, Serum

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.

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Ref.No. FDC7000IE2R (12・09・F1079・F30HE)

FUJIFILM

FUJI DRI-CHEM 7000i

Automated Clinical Chemistry Analyzer

DRI-CHEM Delivers Faster, Easier and Reliable Test Results

An innovative multi-purposed biochemistry analyzer providing 29 parameters (26Colorimetry + 3 electrolytes), even in small blood volume, in 3 simple steps.

FUJI DRI-CHEM
7000i

Easy Operation
Dry-Type System Simplifies Preparation and Maintaince Work.

Simple and Fast Testing

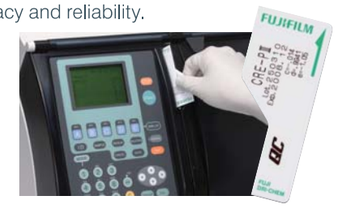
Delivering results with a simple 3-step procedure. After setting slides and samples, just press the start key and walk-away. The analyzer automatically detects the information on the slide and run your test to print out.

Dry-Type Chemistry Eliminates Tedious Preparation Work and High Maintainace

With a dry-type system there’s no need to prepare a liquid reagent in advance or wash after measurement, as necessary with conventional wet chemistry analysis. This allows for speedy processing, without the need of technical skills, as often necessary in case of emergency, thereby making it an ideal choice in busy clinical settings.

Simple and reliable Calibration

Calibration is significantly simplified by a QC card. Pass it through a reader, and let the analyzer self-calibrate to provide an assurance of instrument accuracy and reliability.



Hassle-Free CRP Calibration

CRP calibration measurement is also easy, only requiring 3 types of bottles inserted in the holder and set on the analyzer.

3 in 1 Fast Electrolyte Measurement

Run electrolytes(Na・K・Cl) on one slide in a minute. FDC7000i simultaneously analyzes colorimetry and electrolyte test parameters.

Automated Dilution

Automated dilution procedures from pipetting to mixing by simply entering the dilution ratio.

Emergency STAT Feature

Interrupt any analysis in progress for emergency measurement by pressing the “STAT” key.

Remaining-Time Display

The test remaining time appears on the monitor. This eliminates frustration until the results are printed out.

High Throughput
High Speed and Multitasking Test Performance

5-sample Loading

FDC7000i can be set with up to **5 samples** for fully automated sample loading. This provides a real walk-away and greater work efficiency in busy clinical settings.

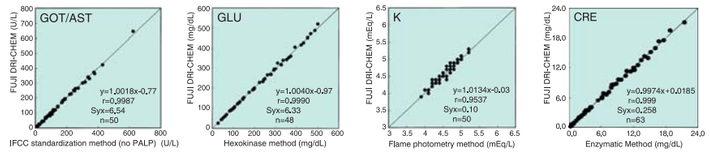
Actualizing 190 Tests/Hour for Combined Measurement

Speedy analysis for 26 colorimetry and 3 electrolyte items requiring different measurement methods. FDC7000i can process up to 190 tests/hour for combined colorimetry and electrolyte measurement and features high-speed processing.

High Reliability
Highly Reliable and Reproducible Results without Special Skills

Powered by 75 years-long FUJIFILM’s Dry Chemistry Research and Development

DRI-CHEM technology was developed on the foundation of FUJIFILM’s extensive technology nurtured in manufacturing photographic film and has been well-accepted in the industry for more than a quarter-long century. Today, a superior quality is maintained throughout the strictly controlled manufacturing process to ensure accuracy and reliability of measurement results.

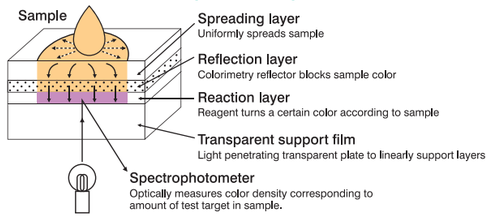


2 Types of Slides Delivering Quality Results

Colorimetric Slide
(Enzymes, General chemistry, Immunology)

The slide features a multilayered film consisting of dry reagent and other functional ingredients necessary for one reaction. It is used for colorimetric quantitative analysis of enzymes and general chemicals in the sample.

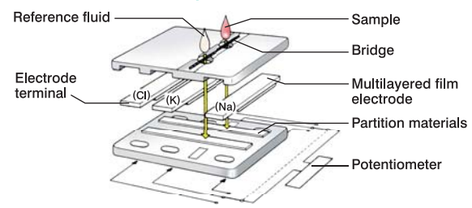
■ **Structure of multilayered analytical film**



Potentiometric Slide
(Electrolytes)

Each slide respectively incorporates ion-selective film electrodes (ISE) for Na^+, K^+ and Cl^-. This slide is used to quantitatively analyze electrolytes of the sample by ISE.

■ **Structure of multilayered film electrodes**



DRI-CHEM 7000