

FUJIFILM

Automated Clinical
Chemistry Analyzer
FUJI DRI-CHEM

7000i



FUJIFILM
DRI-CHEM
7000i

Always Realtime Analyzing

New Dry Chemistry System "FUJI DRI-CHEM 7000 i"



Used by many testing facilities and satellites

FUJI DRI-CHEM - continuing to meet the needs of in-hospital testing

Accurate, high precision, compact, simple procedure, and easy to maintain....

Ideal for obtaining immediate test results

FUJI DRI-CHEM **7000i**

Minute specimen amount

Completely dry "multilayered slides" need only 10 μ L /test for colorimetry.

In blood samples from newborns, measurements can be taken with a minute amount of specimen by pipetting.

High precision

Fine chemical technology developed by Fujifilm brings to fruition the reliability of the measured data. "Multilayered film slide" is a highly stable slide reagent that assays enzymes and general chemicals by colorimetry and electrolytes by a potentiometric method. This slide is a special slide for FDC7000. It has a two dimension barcode which includes information on LOT number and test items.

Compact and Speedy

Colorimetry: 26 tests and Electrolyte: 3 tests (Na, K, Cl) can be measured rapidly in a compact single unit. By colorimetry and combined processing of electrolytes, 190 tests can be processed per hour. Furthermore, small size means it can be placed almost anywhere.

Real-time analyzing

No need for water supply or drainage, therefore, it can still be used during a disaster like an earthquake or when no water supply is available.

Reagents do not have to be prepared so results can be obtained rapidly, anytime, anywhere 24 hours a day.

Walk away

Simple procedure, just set the specimen and slide and then push the START key. Specimen supply is automatic since up to 5 specimens can be set at one time. After pushing the START key, the operator can leave to perform another test or see a patient.



Auto-dilution function

The dilution procedure, which can be laborious, has been automated.

The subdividing, mixing, and other laborious steps in the dilution procedure have been fully automated.

The procedure consists only of pushing the dilution key.



Electrolyte measurement function

Multi-functional, many tests can be measured.

Possible to simultaneously measure colorimetry tests and electrolyte tests (Na, K, Cl).



CRP calibration

The CRP calibration measurement method consists of placing the CRP slide, dilution solution, and calibrator (CP) 1 to 3 in the holder and then setting the specimen disc. The simple process is started by merely pushing the calibration key and then the START key.

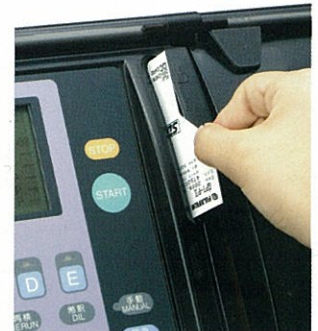
Urgent interrupt measurement

An emergency specimen can be set by pushing the emergency key even during a measurement. Just push the start key after the recording process.

QC card system

Calibration of each lot can be performed easily by reading the QC card. QC information is memorized for up to 2 lots. Slide lot differentiation is conducted automatically.

If for some reason a slide that has not read the QC card is used, the fact that the card information has not been read will be displayed in the print out.



Simple 3-step procedure



Set the slide



Set the specimen



Push the START key

FUJI DRI-CHEM SLIDE

Colorimetry slide (Enzymes, General chemistry, Immunology)

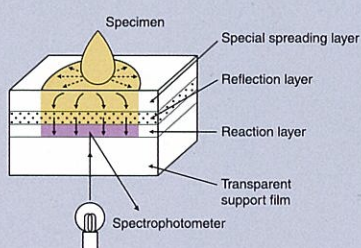
Composed of the dry chemical reagents needed for the reaction and of the functional materials.

Multilayered film slides that quantities using colorimetry are for various tests.

External appearance of slide (Example: GPT/ALT-P)



Composition of multilayered analytical film



Potentiometric slide (Electrolytes)

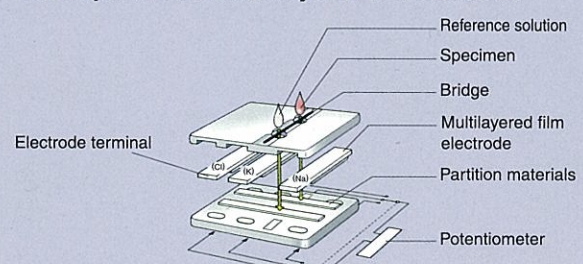
Each slide comes with an ion selective film electrode for each of Na, K, and Cl.

Slides quantify electrolytes in the specimen by a potentiometric method.

External appearance of slide



Composition of multilayered film electrode



Classification		Parameter	Measurement range(*)		Measurement time(min.)			
			Unit (A)	Unit (B)				
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	μ mol/L	5	
		DBIL	0.1 ~ 16.0	mg/dL	2 ~ 274	μ mol/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	μ g/dL	7 ~ 357	μ mol/L	2	
		TBIL	0.2 ~ 30.0	mg/dL	3 ~ 513	μ mol/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	μ mol/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
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 μ L /test, Electrolytes 50 μ L / 3 tests (Na,K,Cl)
Data transmission to PC	RS-232C Serial D-Sub 9 pin -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 °C
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 NH₃-W: Whole blood onlyNa,K,Cl: Plasma, Serum, Whole blood
Other test items: Plasma, Serum


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FUJIFILM

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