FUJIFILM

26 Colorimetric tests 3 electrolytes tests 128 tests/hour

FUJI DRI-CHEM brings you a new world of Clinical Chemistry





Parameters

			Measurement range (*)		
Classification		Parameter	Unit (A)	Unit (B)	Measurement time (min.)
	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
		СКМВ	1 ~ 300 U/L	0.02 ~ 5.01 µ kat/L	5
		СРК	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	0.17 ~ 8.35 µ kat/L	4	
	LDH	50 ~ 900 U/L	0.84 ~ 15.03 µ kat/L	2	
	eests ALB BUN Ca CRE DBIL General chemistry IP Mg NHa TBIL	ALB	1.0 ~ 6.0 g/dL	10 ~ 60 g/L	6
Biochemical tests		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
		0.2 ~ 30.0 mg/dL	3 ~ 513 µmol/L	6	
		TCHO 50 ~ 450 mg/dL 1.29 ~ 11.64 mmol/L TG 10 ~ 500 mg/dL 0.11 ~ 5.65 mmol/L	1.29 ~ 11.64 mmol/L	6	
			0.11 ~ 5.65 mmol/L	4	
		ТР	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	
		К	1.0 ~ 14.0 mEq/L	1.0 ~ 14.0 mmol/L	1
		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

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Main specifications

Masurement test	Colorimetry 26 tests Electrolytes 3 tests		
Throughput	Colorimetry 120 test/hour Combined 128 test/hour		
Number of sample rack	1		
Number of incubation	Colorimetry 12, Electrolytes 1		
Measurement time	Colorimetry 2 to 6 minutes/test, Electrolytes 1 minute/3 tests (Na, K, Cl)		
Sample type	Plasma, Serum, Whole blood*		
Sample volume	Colorimetry 10µL/test, Electrolytes 50µL/3 tests (NA, K, Cl), CRP 5µL/test		
Data transmission to PC	USB 2.0 or RS-232C Serial D-Sub 9 pin -9 pin cross cable		
Data print	Thermal Printer		
Erectrical requirements	AC 100-240V, 50/60Hz, 2.5-1.1A		
Dimensions	470 (W) × 360 (D) × 420 (H) mm		
Weight	NX500 Approx. 25kg, NX500i Approx. 24kg		
Operating temperature	15 to 32°C (59 to 89F)		
Operating humidity	30 to 80%RH		

*NH3-W: Whole blood only NH3-W. Whole blood only NH3-P: Plasma only Na,K,Cl: Plasma, Serum, Whole blood Other test items: Plasma, Serum



FUJ!FILM FUJIFILM Corporation

26-30, NISHIAZABU 2-CHOME, MINATO-KU, TOKYO 106-8620, JAPAN http://www.fujifilm.com/products/medical/

● FUII DRI-CHEM NX500 Series

	NX500	NX500i
Electrolyte tests	•	•
Plasma Filter Function	•	
Automatic dilution	•	•

Option Item: Barcode Reader

Barcode reader is available as option item to read sample ID on sample tube.



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.

A New Generation of Clinical Chemistry

Safety and Simplicity in Operation, Compactness, Diversity in Tests.... ALL in ONE

FUJI DRI-CHEM NX500

FUJI DRI-CHEM from FUJIFILM is a dry chemistry analyzer which can perform multiple test parameters of Clinical Chemistry. It has a built-in auto-pipetting system, requires no calibration and no water, providing easy preparation and maintenance. The new FUJI DRI-CHEM NX500 delivers results using a simple 3-step procedure. With its quick, easy operation and compactness, "Real Time and Borderless" Clinical Chemistry is made possible.



Simple 3-step procedure

Fully Automated Procedure 1. Set the slide (Dry Slide Reagents). 2. Set the sample. 3. Press START. No Parameter Input Required Information of the parameter is incorporated in the bar code printed on the back of every slide.



Set the slide (Dry Slide Reagents)





Set the sample



FUJIFILM

Press START







Easy operation by touch screen

5.7 inch VGA, 640 × 480. Qwerty touch Key board. Basic Mode / Advanced Mode are available according to user preference.
(Basic Mode: displays operation procedure for one sample only.
Advanced Mode: displays operation procedure for one sample and measurement status for previous measured samples.)



III No pre-treatment of sample required

Plasma Filter (PF) can cut the turn around time and the pre-treatment process of the sample. It can generate plasma sample by aspirating and separating the whole blood inside the PF within 1 minute. Just set the PF on top of the sample tube and press START.



III Only 10µL/Test

Each test needs only 10µL of sample. (CRP needs 5µL/test, ISE needs 50µL/3 tests). Manual pipetting can be also performed when less sample available. Less invasive for newborn at NICU.

10 µL/Test

H Automatic dilution

Dilution, a time consuming process, is also automated in FUJI DRI-CHEM. Just set the ratio of dilution and press START. Dilution test also can be performed parallelly with the regular tests, requiring no separation of tests.



<image>

Accurate and reliable test results from long term and field-proven technology & experience

The FUJI DRI-CHEM slide reagent has high reliability and stability brought by fine chemical technology cultivated through the long history of FUJIFILM in photographic film manufacturing. Less variation of results between operators, high result reproducibility and daily precision, and excellent correlation with wet chemistry are its remarkable features.



No Calibration Required ! QC card system

A magnetic card called QC card will adjust the lot variability in the slide reagents. A QC card comes with every reagent box. The analyzer memorizes the lot adjustment information once a QC card is swiped. No need to swipe QC in every measurement for the same slide lot.



CRP: Calibration is required. ISE: QC card is not attached.

H A range of sample tube are available.

Tubes Available : Blood Collection Tube (ϕ 13~16 × 75~100mm), FUJI PLAIN TUBE (0.5mL, 1.5mL) *Plasma Filter is available with Blood Collection Tube.

Minimize the risk of biological hazard

Slide reagents after measurement will be automatically discarded to disposal, minimizing the risk of contamination.



