

FUJIFILM

26 Colorimetric tests

3 electrolytes tests

128 tests/hour

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

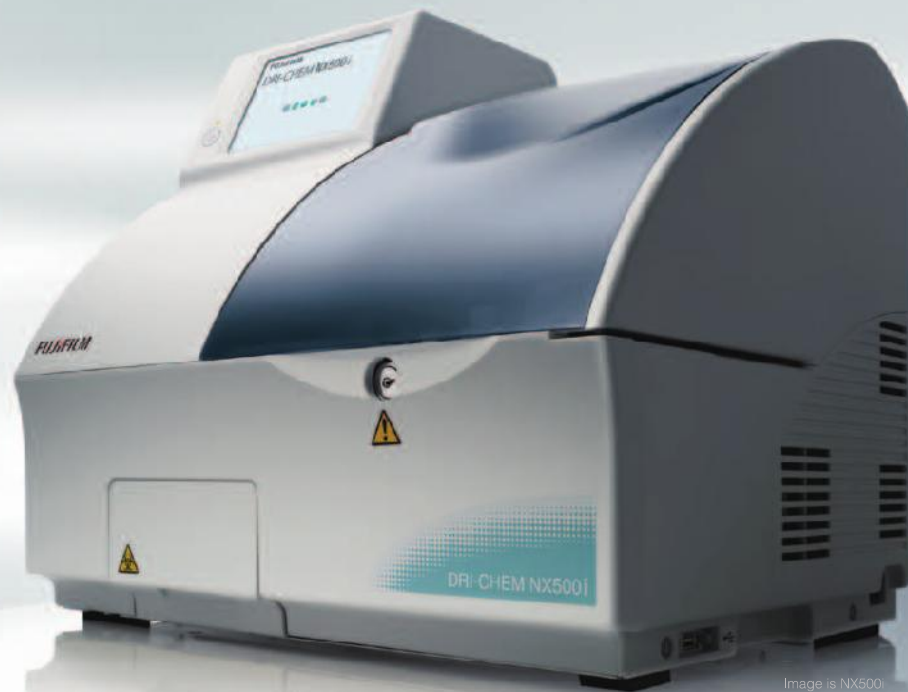


Image is NX500

FUJI DRI-CHEM
NX500

Automated Clinical Chemistry Analyzer

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



FUJII DRI-CHEM NX500

Automated Clinical Chemistry Analyzer

Classification	Parameter	Measurement range (*)		Measurement time (min)
		Unit (A)	Unit (B)	
Enzymes	ALP	50 ~ 3500 U/L	0.84 ~ 58.45 μkat/L	4
	AMP/L	10 ~ 1800 U/L	0.17 ~ 30.06 μkat/L	5
	CHE	5 ~ 500 U/L	0.08 ~ 8.35 μkat/L	4.5
	CK-MB	1 ~ 300 U/L	0.02 ~ 5.01 μkat/L	5
	CK	10 ~ 2000 U/L	0.17 ~ 33.40 μkat/L	4
	GGT	10 ~ 1200 U/L	0.17 ~ 20.04 μkat/L	5
	GGT/AST	10 ~ 1000 U/L	0.17 ~ 16.70 μkat/L	4
	GPT/ALT	10 ~ 1000 U/L	0.17 ~ 16.70 μkat/L	4
	LAP	10 ~ 500 U/L	0.17 ~ 8.35 μkat/L	4
	LDH	50 ~ 900 U/L	0.84 ~ 15.03 μkat/L	2
	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
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 ₄		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
TP		10 ~ 500 mg/dL	0.11 ~ 5.65 mmol/L	4
Electrolytes	TP	2.0 ~ 11.0 g/dL	20 ~ 110 g/L	6
	UA	0.5 ~ 18.0 mg/dL	30 ~ 1071 μmol/L	4
	Na	75 ~ 250 mEq/L	75 ~ 250 mmol/L	
	K	1.0 ~ 14.0 mEq/L	1.0 ~ 14.0 mmol/L	1
Immunological test	Cl	50 ~ 175 mEq/L	50 ~ 175 mmol/L	
	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 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
Electrical requirements	AC 100-240V, 50/60Hz, 2.5-1.1A
Dimensions	470 (W) X 360 (D) X 420 (H) mm
Weight	NX500 Approx. 25kg, NX500H Approx. 24kg
Operating temperature	15 to 32°C (59 to 89°F)
Operating humidity	30 to 80%RH

*NH₄⁺: Whole blood only
NH₄⁺: Plasma only
Na, K, Cl: Plasma, Serum, Whole blood
Other test items: Plasma, Serum



FUJII DRI-CHEM NX500 Series

	NX500	NX500H
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

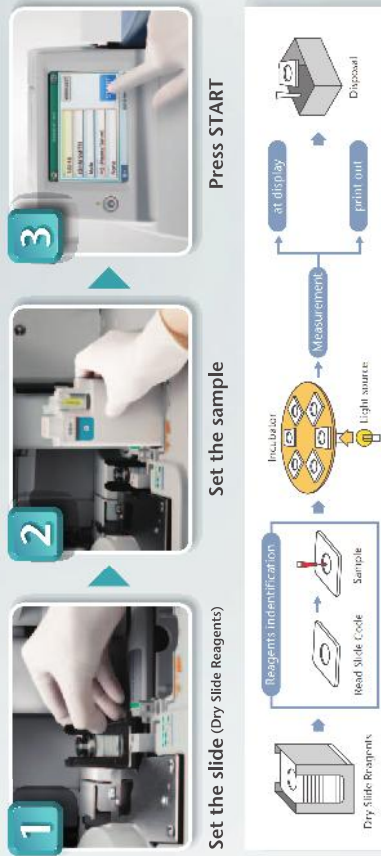
Safety and Simplicity in Operation, Compactness, Diversity in Tests..... ALL in ONE

FUJIFILM 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.



Multiple Test Parameters
High Throughput

Colorimetry + Electrolytes

26 tests 3 tests

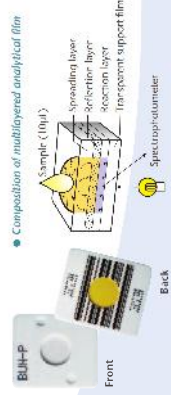
128 tests/hour

FUJI DRI-CHEM SLIDE

Colorimetric method slide

(Enzymes, General chemical, and immunology)

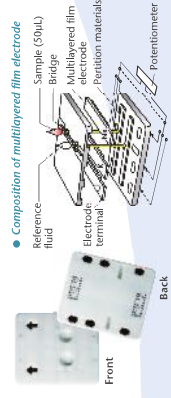
This multilayered slide is composed of dry chemical ingredients needed for the reaction and other functional materials. It quantifies enzymes and general chemicals using colorimetric method.



Potentiometric method slide

(Electrolytes)

Each slide comes with an ion selective film electrode for each of Na, K, and Cl. Slides quantify electrolytes in the sample by a potentiometric method.





Easy operation by touch screen

5.7 inch VGA, 640 X 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.)

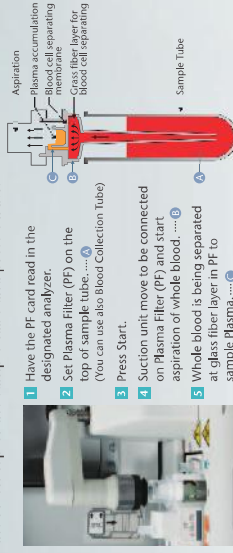


Result list View

Basic Mode / Advanced Mode

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.



There are sample requirements in a few tests. Consult "Instructions for Use" for PF.

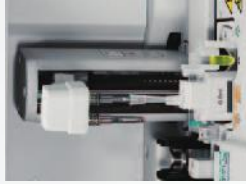
Only 10µL/Test

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

10µL/Test

Automatic dilution

Dilution, a time consuming process, is also automated in FUJI DRI-CHEM1. 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.



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.



A range of sample tube are available.

Tubes Available :
Blood Collection Tube (φ13-16 X 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.



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.

