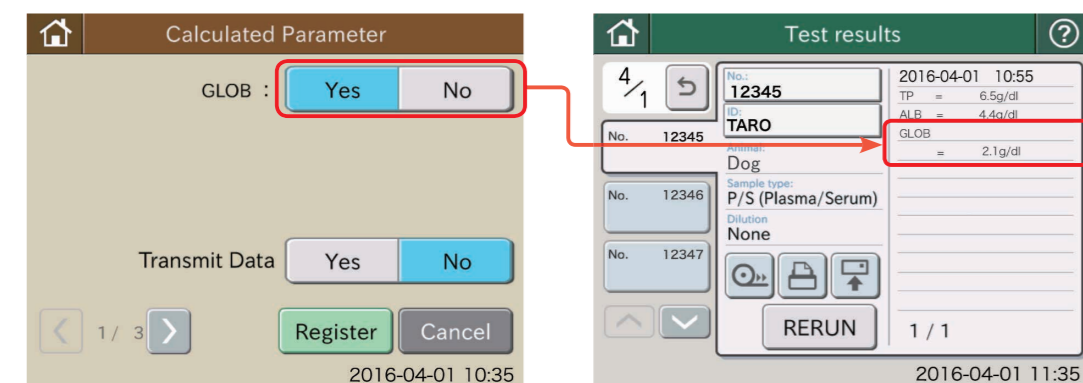


## NEW Calculation

The NX500 analyzer can provide results for 5 calculated parameters. No need for external calculation for commonly used parameters.

Calculated Parameter	Indication	Unit	Equation
Globulin	GLOB	g/dL or g/L	GLOB = TP value - ALB value
Albumin/ Globulin ratio	ALB/ GLOB	-	ALB/ GLOB = ALB value / (TP value - ALB value)
BUN/ Creatinine ratio	BUN/ CRE	-	BUN/ CRE = BUN value / CRE value
Sodium/ Potassium ratio	Na/ K	-	Na/ K = Na value/ K value
Anion Gap	Anion Gap	mEq/L or mmol/L	Anion Gap = Na value - (Cl value + TCO <sub>2</sub> value)



## Fast and easy to use

The NX500 analyzer processes a patient specimen in just a few minutes. As soon as the pipetting procedure for a sample is completed, the slides for the next sample can already be inserted and the test started. The results of foregoing measurements are displayed immediately. This minimises waiting time for your patients.

NX500 processing cycle in minutes for 12 clinical parameters per patient sample	Analysis time in minutes												
	1	2	3	4	5	6	7	8	9	10	11	12	13
First patient specimen (12 parameters)	[Timeline bar from 1 to 13]												
Automatic pipetting	[Timeline bar from 1 to 3]												
Measuring time for 12 parameters				[Timeline bar from 3 to 13]									
Analysis results as laboratory protocol ...				[Timeline bar from 3 to 13, with text: 'Initial results are shown immediately!']									
Analysis results as laboratory protocol ...				[Timeline bar from 3 to 13, with text: '... after approx. 9 minutes']									
Second patient specimen (12 parameters), started directly after 3 minutes	[Timeline bar from 3 to 13]												
Automatic pipetting	[Timeline bar from 3 to 6]												
Measuring time for 12 parameters				[Timeline bar from 6 to 13]									
Analysis results as laboratory protocol ...				[Timeline bar from 6 to 13, with text: '... after approx. 13 minutes']									

## Your benefits at a glance

Operating in-house laboratory diagnostics requires high quality standards. These are now easy to meet thanks to easy-to-use reagents (Fujifilm DRI-CHEM slides) and the DRI-CHEM NX500 analyzer. Take advantage of the added value of immediately available laboratory results and rapid initiation of treatment.

Parameters							
Classification	Parameter	Measurement range			Measurement time (min.)		
		Unit (A)		Unit (B)			
Enzymes	ALP	14 - 1183	U/L	0.23 - 19.76	μ Kat/L	4	
	v-AMYL	100 - 2500	U/L	1.67 - 41.75	μ Kat/L	3	
	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	
	v-LIP	10 - 1000	U/L	0.17 - 16.70	μ Kat/L	5	
	LDH	50 - 900	U/L	0.84 - 15.03	μ Kat/L	2	
	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	
Biochemical tests	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	
	GLU	10 - 600	mg/dL	0.6 - 33.3	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 <sub>3</sub>	10 - 500	μg/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	
	TCO <sub>2</sub>	5 - 40	mmol/L	5 - 40	mmol/L	5	
	TG	10 - 500	mg/dL	0.11 - 5.65	mmol/L	4	
General chemistry	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	
	Na	75 - 250	mEq/L	75 - 250	mmol/L	1	
	K	1.0 - 14.0	mEq/L	1.0 - 14.0	mmol/L	1	
	Cl	50 - 175	mEq/L	50 - 175	mmol/L	1	
	v-c-CRP	0.3 - 7.0	mg/dL	3 - 70	mg/L	5	
	GLOB	ALB/ GLOB	BUN/ CRE	Na/ K	Anion Gap		
	<b>NEW Immunological Test</b>						
	<b>NEW Calculations</b>						

\* Unit (A) or (B) is available  
\* There are parameters which may not be available in your area. For details please contact your local distributor.

## Specifications

<b>Measurement test</b>	Colorimetry 23 tests Electrolytes 3 tests
<b>Throughput</b>	Colorimetry 120 test/ hour Combined 128 test/ hour
<b>Number of sample rack</b>	1
<b>Number of incubator cell</b>	Colorimetry 12, Electrolytes 1
<b>Measurement time</b>	Colorimetry 2 to 6 minutes/ test Electrolytes 1 minute/ 3 tests (Na, K, Cl)
<b>Sample type</b>	Plasma, Serum, Whole blood*
<b>Sample volume</b>	Colorimetry 10μL/ test Electrolytes 50μL/ 3 tests (Na, K, Cl)
<b>Data transmission to PC</b>	USB 2.0 or RS-232C Serial D-Sub 9 pin - 9 pin cross cable
<b>Data print</b>	Thermal printer
<b>Electrical requirements</b>	AC 100 - 240V, 50/ 60 Hz, 2.5 - 1.1A
<b>Display</b>	5.7 inch color touch panel
<b>Dimensions</b>	470 (W) x 360 (D) x 420 (H) mm
<b>Weight</b>	Approx. 24kg
<b>Operating temperature</b>	15 to 32°C (59 to 89 °F)
<b>Operating humidity</b>	30 to 80% RH (no vapor condensation)

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

## Option

<b>Barcode reader</b>	Barcode reader is available as option item to read sample ID on sample tube.
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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.

There are some different specifications between the veterinary analyzer and the human one. Please ask your local distributor for the availability.

DRI-CHEM NX500 (Product: FUJII DRI-CHEM NX500V/ FUJII DRI-CHEM NX500VC for Chinese veterinary)

Read more about our Medical Solutions: [www.fujifilm.com](http://www.fujifilm.com)

**FUJIFILM**  
Value from Innovation

Equipped with new functionality

# DRI-CHEM NX500

Automated Clinical Chemistry Analyzer



Tests 12 parameters in only 9 minutes

- ▶ **Simple:** Uses specified profiles or single parameters
- ▶ **Precise:** 23 clinical chemistry parameters plus the electrolytes sodium, potassium and chloride
- ▶ **Fast:** In-house diagnostics giving you results in just a few minutes

**FUJIFILM**

FUJIFILM Corporation

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

Ref. No. NX500 VET E R(16-07-F1079)





## ► Experience and precision

Fujifilm has been developing analysis devices that work with dry chemistry for laboratory diagnostics since 1984. It has been the market leader in Japan ever since.

The NX500 analyzer is quick and easy to use, produces reliable results and demonstrates proven cost-efficiency.



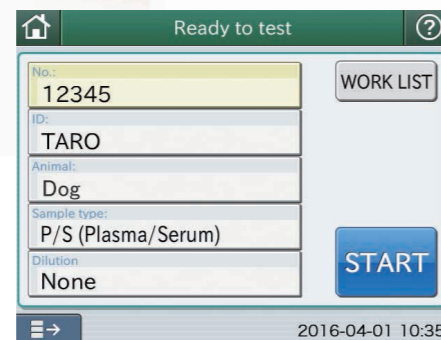
## Auto-dilution function and manual pipetting

The NX500 analyzer dilutes specimens automatically to a preset dilution ratio and displays the converted end result correctly.

If only a small volume of serum or plasma is available, manual pipetting directly onto the slide is possible.

## A compact all-rounder

Thanks to the high degree of automation, our NX500 analyzer can be operated with just a few easy-to-learn steps. The new colour touch screen features process descriptions and gives the operator optimal assistance. Results of up to 25 different species can be stored in the device, along with their reference ranges. The analyzers work failure-free and dependably in the smallest of spaces.



## ► Ease of operation – professional results

You have the choice to place up to 20 parameter slides in the reagent holder and they will be processed automatically in a single process cycle. The NX500 analyzer requires just a few µl of serum or plasma per parameter being measured. You obtain reliable analysis results in just 3 steps.

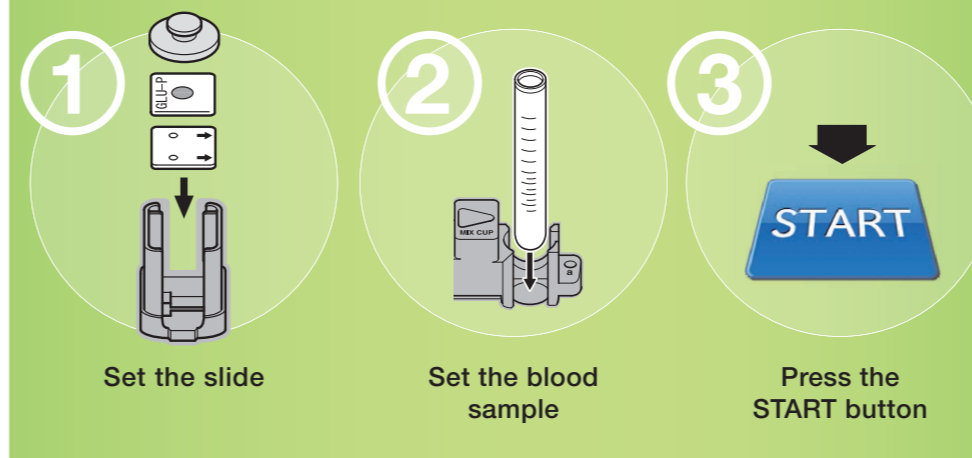


## No calibration required QC card system

Swipe the QC card that comes in each box of slides just once per enzyme or substrate. This ensures accurate measurement results for each slide lot.



## 3 steps to accurate analysis!



## ► No need for daily calibration!

## 23 clinical chemistry parameters plus electrolytes

The NX500 analyzer is currently able to analyse 23 different test parameters using dry chemistry slides. Just 10 µl of serum or plasma are used per parameter. To measure the electrolytes sodium, potassium and chloride on a single slide, a 50 µl specimen is required.

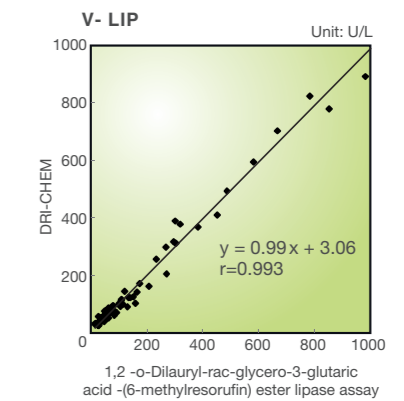
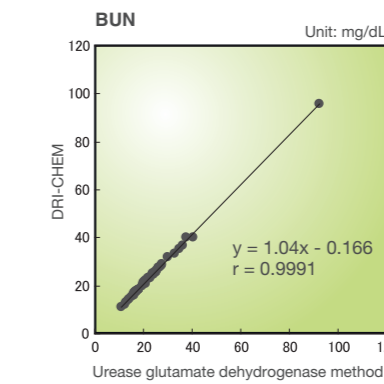
With a single analysis device, you can process individual clinical chemistry diagnostic profiles or measure just a single parameter for check-ups or emergency diagnostics.

## Simple export of laboratory results

The computer interface (serial RS 232/LAN) allows a seamless connection to various laboratory or practice information systems. The analysis results are automatically matched to the corresponding patient file and displayed as a laboratory protocol. Alternatively, the results can be printed out using the built-in thermal printer.

## ► Precise diagnostics

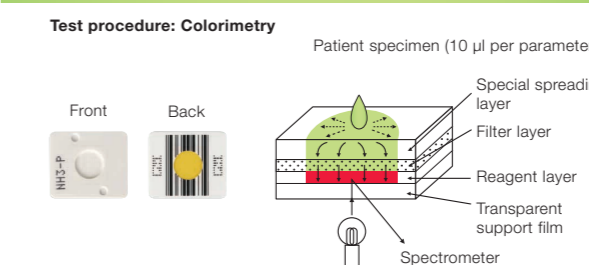
Fujifilm DRI-CHEM slides achieve an extremely high degree of precision thanks to a special filter layer that reliably filters out any substances that could interfere with the serum or plasma specimen. The high quality of Fujifilm reagents is demonstrated by a comparison with the standard measurement methods.



## ► Simply accurate - the dry chemistry technology from Fujifilm

Coding allows the slides to be read in any combination. Apart from the product bar code, further data such as lot number and expiry date are encoded on each slide. With this extra information, the measurement results can be adjusted precisely to the calibration curve for each production lot. Fujifilm recommends the use of lithium-heparin plasma for the clinical chemistry parameters and electrolytes.

## Optical reflection measurement for enzymes and substrates



## Potentiometry for analysing electrolytes

