

**NEW**

# DRI-CHEM NX500V IC

For veterinary

Parameters		Parameter	Measurement range		Measurement time (min.)
Classification			Unit (A)	Unit (B)	
Biochemical tests	Enzymes	ALP	14 - 1183 U/L	0.23 - 19.76 $\mu$ Kat/L	4
		v-AMYL	100 - 2500 U/L	1.67 - 41.75 $\mu$ Kat/L	3
		CPK	10 - 2000 U/L	0.17 - 33.40 $\mu$ Kat/L	4
		GGT	10 - 1200 U/L	0.17 - 20.04 $\mu$ Kat/L	5
		GOT/AST	10 - 1000 U/L	0.17 - 16.70 $\mu$ Kat/L	4
		GPT/ALT	10 - 1000 U/L	0.17 - 16.70 $\mu$ Kat/L	4
		v-LIP	10 - 1000 U/L	0.17 - 16.70 $\mu$ Kat/L	5
		LDH	50 - 900 U/L	0.84 - 15.03 $\mu$ 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 $\mu$ 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 $\mu$ g/dL	7 - 357 $\mu$ mol/L	2
		TBIL	0.2 - 30.0 mg/dL	3 - 513 $\mu$ 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
	TP	2.0 - 11.0 g/dL	20 - 110 g/L	6	
	UA	0.5 - 18.0 mg/dL	30 - 1071 $\mu$ mol/L	4	
	Electrolytes (on only one slide)	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		vc-CRP	0.3 - 7.0 mg/dL	3 - 70 mg/L	5
Comprehensive S-panel		TP, ALB, ALP, GLU, TBIL, IP, TCHO, GGT, GPT/ALT, Ca, CRE, BUN			
Pre-Surgical S-panel		TP, ALP, GLU, GPT/ALT, CRE, BUN			
Calculated parameters		GLOB, ALB/GLOB, BUN/CRE, Na/K, Anion Gap			

\* Unit (A) or (B) is available \* There are parameters which may not be available in your area. For details please contact your local distributor.  
\* v-LIP, v-AMYL and vc-CRP slides are designed for veterinary use.  
Other slides are designed for use in analyzing human blood. Measurement results may vary depending on the animal species. For details, please contact your local distributors.



Specifications of NX500V IC		Option Barcode reader	
Measurement test	Colorimetry 23 tests Electrolytes 3 tests	Data print	Thermal printer
Throughput	Colorimetry 120 test/ hour Combined 128 test/ hour	Electrical requirements	AC 100 - 240V, 50/ 60 Hz, 2.5 - 1.1A
Number of sample rack	1	Display	5.7 inch color touch panel
Number of incubator cell	Colorimetry 12, Electrolytes 1	Dimensions	470 (W) x 360 (D) x 420 (H) mm
Measurement time	Colorimetry 2 to 6 minutes/ test Electrolytes 1 minute/ 3 tests (Na, K, Cl)	Weight	Approx. 24kg
Sample type	Plasma, Serum, Whole blood	Operating temperature	15 to 32°C (59 to 89 °F)
Sample volume	Colorimetry 10 $\mu$ L/ test Electrolytes 50 $\mu$ L/ 3 tests (Na, K, Cl)	Operating humidity	30 to 80% RH (no vapor condensation)
Data transmission to PC	USB 2.0 or RS-232C Serial D-Sub 9 pin - 9 pin cross cable	Barcode reader is available as option item to read sample ID on sample tube.	

DRI-CHEM NX500V IC (Product name: FUJI DRI-CHEM NX500V IC)

**NX500V IC and AU10V** Clinical Chemistry tests providing total in-house diagnostic testing



Specifications of DRI-CHEM IMMUNO AU10V	
Dimensions	238 (W) x326 (D) x 310 (H) mm
Weight	Approx. 7 kg
Operating temperature	15 to 30°C (59 to 86°F)
Measurement time	Approx. 10 min (without dilution)
Required sample volume	basic test : 100 $\mu$ L dilution test : 20 $\mu$ L
Test parameter	v-PRG (Progesterone) v-T4 (Thyroxine (T4)) vc-TSH (Thyroid-Stimulating Hormone) v-COR (Cortisol) v-BA (Bile Acids)

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.

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

18 tests in 12 minutes from a whole blood sample  
(15 chemistry and 3 electrolytes tests)

- ▶ **Easy**  
Easy operation by large touch panel
- ▶ **Fast**  
In-house diagnostics giving you results in just a few minutes
- ▶ **Accurate and Reliable**  
Accurate test results from long term and field-proven technology & experience

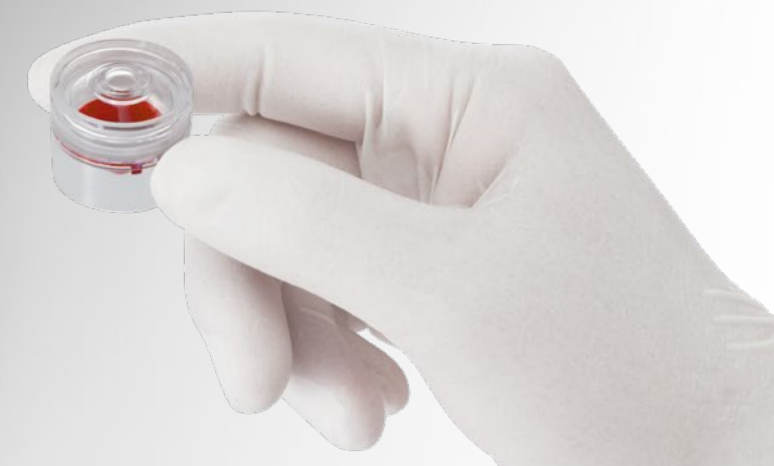


# Professional results from effortless and efficient operation.

A maximum of 20 test slides in the slide cartridge will be automatically processed in a single run. Proceeding sample or test can be set up subsequently without waiting for the previous run to finish.

## Proven quality from experience

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.



## NEW Built-in centrifugal blood separator for direct use of whole blood samples.

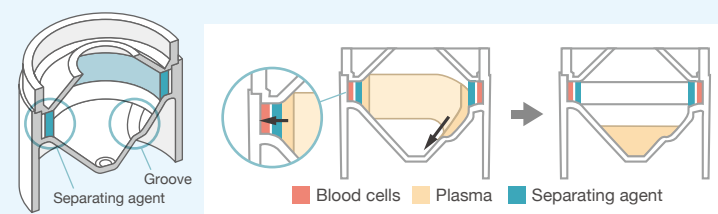
The NX500V IC has a built-in centrifugal separator. After setting the whole blood sample and slides and pressing the START button, one has only to wait for the measurement results thereafter. The built-in centrifugal separator can cut the pre-treatment process of whole blood samples.



## Specially designed IC CUP for high quality plasma

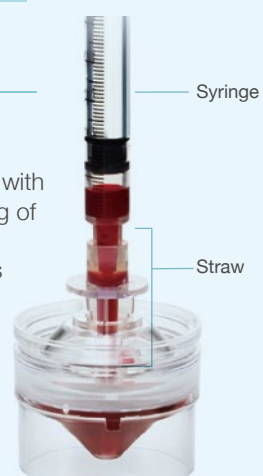
### 1) IC CUP (Integrated Centrifuge Cup)

The blood cells, which have higher specific gravity than separating agent, are separated and trapped at the outer side of the separating agent after centrifugation. Only the plasma passes along the groove and gets accumulated at the bottom of the cup after the separation.



### 2) Straw

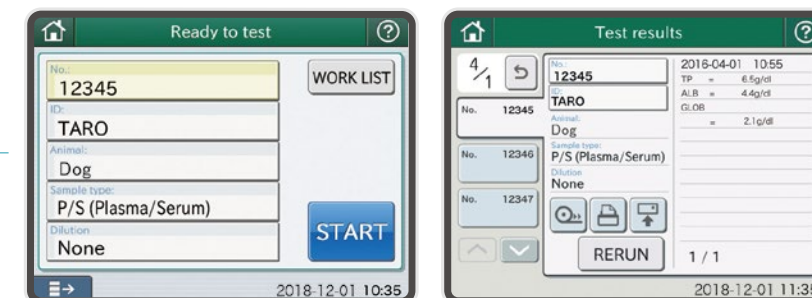
Function for efficient mixing of whole blood with heparin and dispensing of sample to the cup. A special straw comes with the cup.



## Easy

### Intuitive and easy operation on an LCD touch screen

FUJIFILM placed special emphasis in designing a simple, easy-to-use operation screen.



### Microsample testing A very useful feature especially in small animals

Each test requires 10 $\mu$ L of sample. (CRP: 5 $\mu$ L/test, ISE: 50 $\mu$ L/test, dead volume is necessary using automatic measurement.) If there is less sample, measurement can be done by manual pipetting.



### No calibration

The FUJI DRI-CHEM system uses dry type reagents which are very stable. Calibration is not necessary. Variability in the reagent lots are adjusted using the QC card.



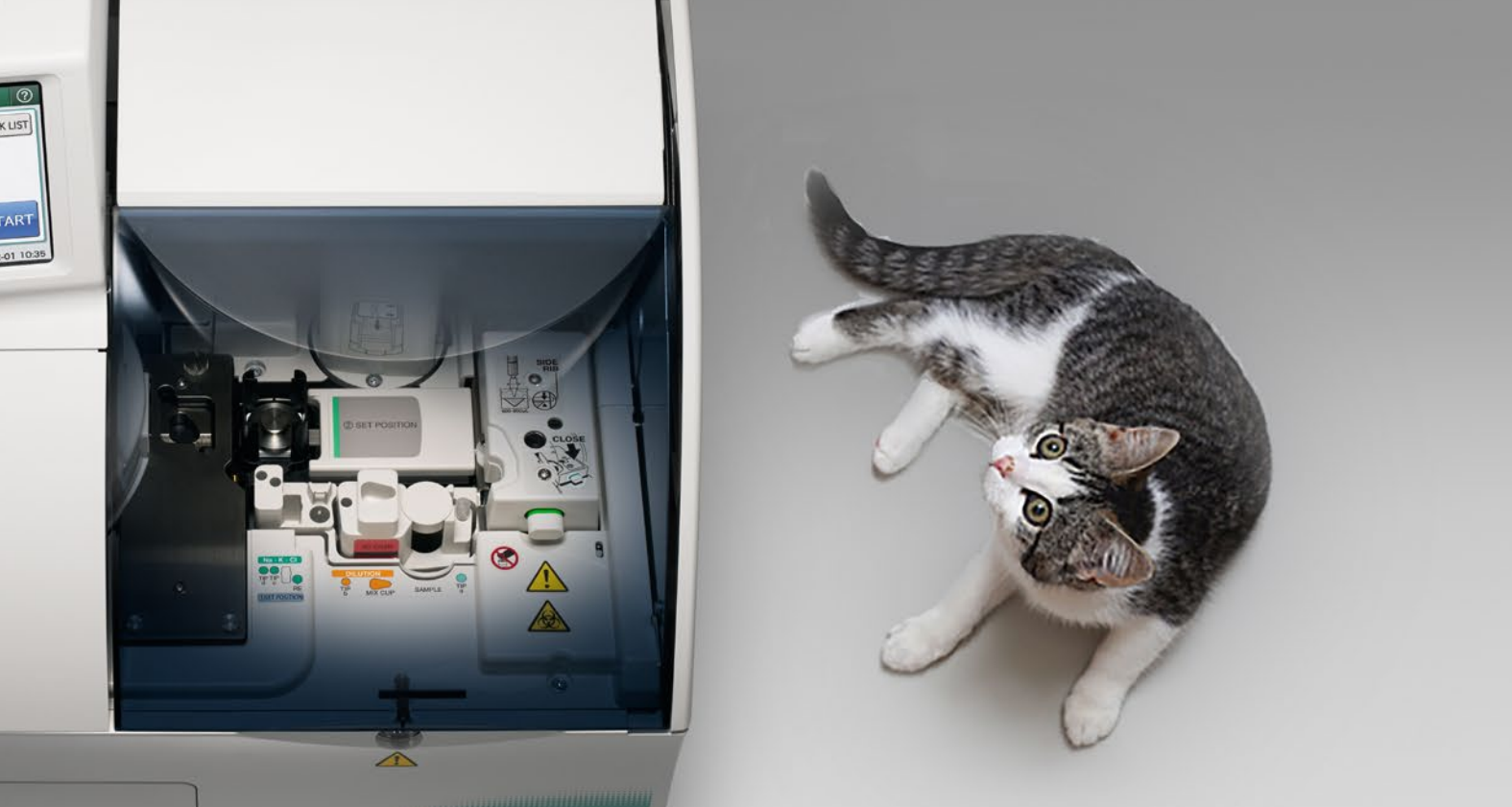
### Automatic dilution

Dilution, a time consuming process, is also automated. The only operation is to input the dilution ratio.

### Easy maintenance

The analyzer is low maintenance. It does not require special skills or training to maintain.

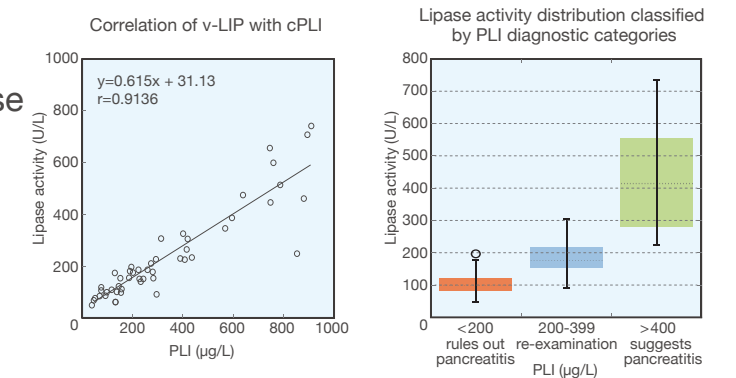




## ► Accurate & Reliable

### NX500V IC can measure lipase activity for canine

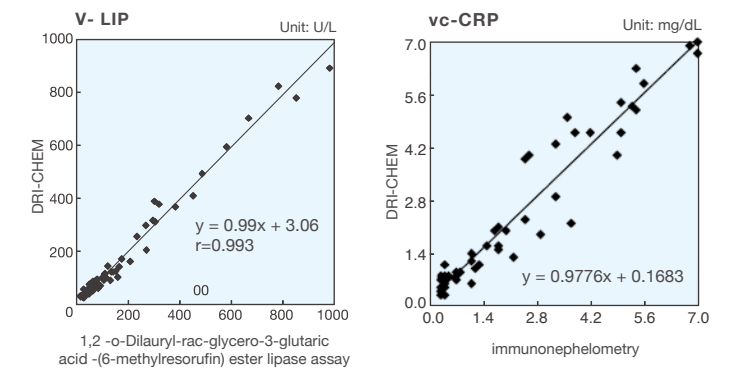
Lipase activity, which is useful for the screening of pancreatitis, can also be easily measured. This contributes to quick screening of pancreatitis onsite.



Citation: J.Vet.Med.Sci.73(11):1481-1483, 2011 Katsumi Ishioka  
J-vet vol.291 2011.6 pp13-15, pp25-29

### Precise results

The FUJIFILM DRI-CHEM slide reagent has high reliability and stability brought by fine chemical technology cultivated through the long history of Fujifilm. The high quality of Fujifilm reagents is demonstrated by a comparison with the standard measurement methods.



## ► Fast

### ■ Quick measurement

The NX500V IC analyzer can quickly measure 23 different colorimetric parameters and 3 electrolytes. It has a 128 tests/hour throughput.



\* In case of whole blood samples, it will take another 2 minutes for the centrifugation for each sample.

### ■ One pack panels (S-panels)

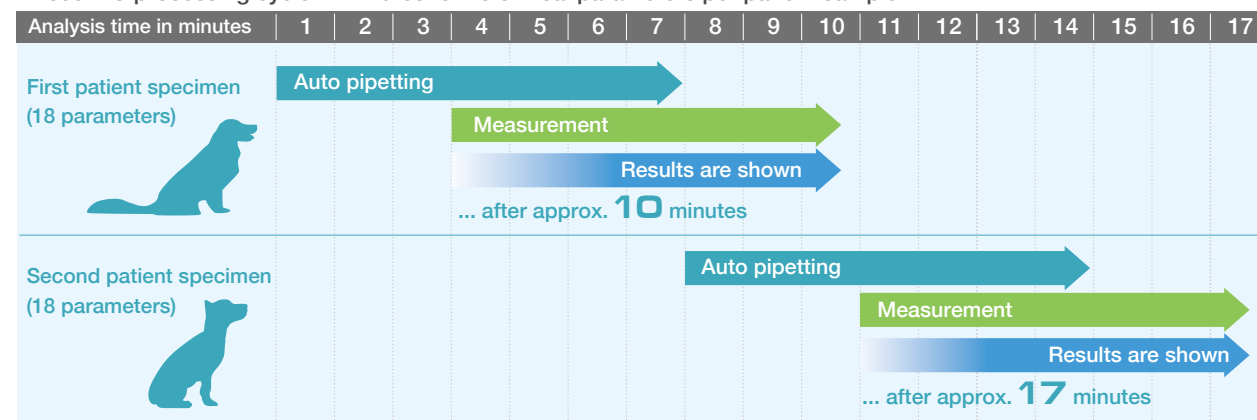
S-Panels are prepacked slides which can be easily mounted in the slide cartridge in just one step. This improves work efficiency and waste reduction.



### ■ Continuous measurement

As soon as the pipetting procedure for the first sample is completed, the slides for the next sample can already be set and the test started. This minimizes waiting time for your patients.

#### NX500V IC processing cycle in minutes for 18 clinical parameters per patient sample



\* In case of whole blood samples, it will take another 2 minutes for the centrifugation for each sample.

Depth: 360 mm

Height: 420 mm

Width: 470 mm

