

**Analyzer Specifications**

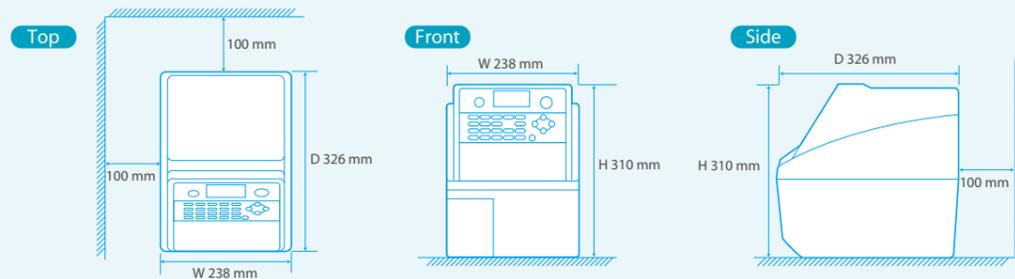
Dimensions (W x D x H)	238 x 326 x 310 [mm]	Required sample volume	basic test : 100 µL
Weight	Approximately 7 kg		dilution test (v-COR): 20 µL
Operating temperature	15°C - 30°C (59°F - 86°F)	Cartridge information	Information about test parameters is embedded in the QR code attached to the cartridge.
Setup time	3 min		
Data memory	100 tests		

**Reagent Cartridges Specifications**

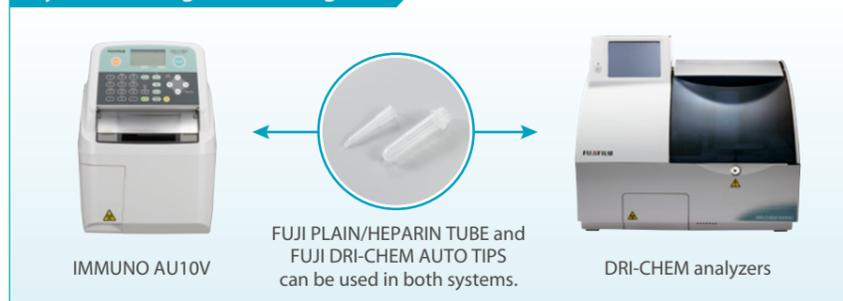
		NEW vf-SAA	v-T4	vc-TSH	v-COR	v-BA	v-PRG
Target species		Feline	Canine / Feline	Canine	Canine	Canine / Feline	Canine
Type of sample		P / S	P / S	P / S	P / S	P / S	P / S
Measurement Mode	Basic	—	✓(P / S)	✓(P / S)	✓(S only)	✓(P / S)	✓(P / S)
	Dilution*	✓(P / S)	—	—	✓(P / S)	—	—
Dynamic Range		3.75 - 225.0 µg/mL	0.50 - 8.00 µg/dL (6.4 - 103.0 nmol/L)	0.25 - 5.00 ng/mL	1.0 - 30.0 µg/dL (27.6 - 828.0 nmol/L) 1.0 - 50.0 µg/dL (27.6 - 1380.0 nmol/L) (with dilution)	2.0 - 150.0 µmol/L	0.20 - 40.00 ng/mL (0.64 - 127.20 nmol/L)
Measurement time		Approximately 10 min					
Package Unit		10 cartridges/box					
Reagent Storage		2°C - 8°C (35.6°F - 46.4°F)					

P : Plasma S : Serum \*Dilution with pharmaceutical grade saline solution

**Dimensions**



**System Configuration Diagram**



**Options**



DRI-CHEM IMMUNO AU10V (Product: FUJI DRI-CHEM IMMUNO AU10V)

This equipment complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated (June 24, 2007). This equipment is a Class 1 laser product (designed according to IEC60825-1:2007 & 2014 / EN60825-1:2014)

**NEW vf-SAA (Serum amyloid A)**

v-PRG (Progesterone)

v-T4 (Thyroxine (T4))

vc-TSH (Thyroid-Stimulating Hormone)

v-COR (Cortisol)

v-BA (Bile Acids)

**DRI-CHEM IMMUNO AU10V**

Automated Fluorescence Immunoassay Analyzer



*Innovation in Immunodiagnostic Testing*



FUJIFILM's Surface Plasmon enhanced Fluorescence technology has brought about a compact sized Fluorometry Immunodiagnostic Analyzer of high reliability and accuracy. Ideal for in-clinic immunodiagnostic testing.

## DRI-CHEM IMMUNO AU10V

Easy to use

Rapid measurement  
(approximately 10min)

Automated  
Calibration

Serum and plasma  
samples are measure-  
able in all tests

### Reagent Cartridges Specifications

<b>NEW</b> vf-SAA (Serum amyloid A)	Screening and/or monitoring of Inflammation
v-PRG (Progesterone)	Reproduction management
v-T4 (Thyroxine (T4))	Hypo/Hyperthyroidism diagnosis
vc-TSH (Thyroid-Stimulating Hormone)	Hypothyroidism diagnosis
v-COR (Cortisol)	Adisson's Disease or Cushing's syndrome diagnosis
v-BA (Bile Acids)	Liver-related diseases diagnosis

For real time diagnosis and monitoring of hormonal and other important markers in canine and feline.



## Easy To Use

### Simple 2 - step procedure

Perform automatic measurements simply by inserting a tube (for samples), a tip (for sampling and injection), and a cartridge (reagents), and press the START key!

### Workflow

#### 1 Insert materials



③ CARTRIDGE  
① TUBE  
② TIP

#### 2 Press the START key



Approx.  
**10 min**

Results

### No need to add reagents

All reagents and materials are already prepared inside the cartridge.

### Automated calibration for reagents using attached QR code

All calibrations and measurements are conducted automatically based on the QR code\* attached to the bottom of the cartridge, which eliminates the need for lot calibration.



Bottom

\*QR code" is a registered trademark of DENSO WAVE INC.



Top

### Flexibility in selecting the most appropriate sample tube (1.5 mL or 0.5 mL)

1.5 mL or 0.5 mL sample tube can be used, allowing flexibility when collecting blood samples in accordance with the measurement situation.

### Automatic Dilution Function

To save labor operations like dispensing and mixing, AU 10V has an automatic dilution function (for vf-SAA and v-COR measurements only).

# An in-clinical Immunodiagnostic Analyzer realized by FUJIFILM's cutting edge technologies

**NEW** vf-SAA

FUJIFILM  
FUJI DRI-CHEM  
IMMUNO AU CARTRIDGE vf-SAA

v-PRG

FUJIFILM  
FUJI DRI-CHEM  
IMMUNO AU CARTRIDGE v-PRG

v-T4

FUJIFILM  
FUJI DRI-CHEM  
IMMUNO AU CARTRIDGE v-T4

vc-TSH

FUJIFILM  
FUJI DRI-CHEM  
IMMUNO AU CARTRIDGE vc-TSH

v-COR

FUJIFILM  
FUJI DRI-CHEM  
IMMUNO AU CARTRIDGE v-COR

v-BA

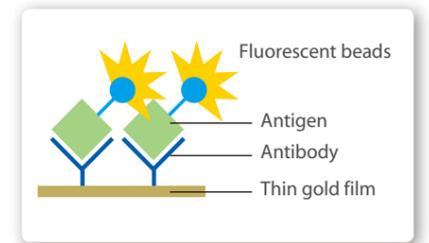
FUJIFILM  
FUJI DRI-CHEM  
IMMUNO AU CARTRIDGE v-BA



## Technology

### Principle of the system

- The equipment performs fluorometry using Surface Plasmon enhanced Fluorescence (SPF), a technology based on Surface Plasmon Resonance (SPR), within a small cartridge.
- With the SPF technology, washing for surplus fluorescent beads is not necessary, making the measurement time shorter and the machine more compact. Also since the fluorescence is enhanced by SPR, a low power beam is sufficient enough to generate substantial fluorescence intensity for detection.



- Sample Injection**  
The sample, which is mixed with the reagent, will be dispensed into the sample flow channel of the cartridge.
- Binding Reaction**  
The analyte binds with the antibody, which will be attached to the thin gold film.
- Laser Beam Irradiation**  
A SPR is generated upon irradiation by the laser beam.
- Fluorescence Measurement**  
The fluorescent intensity, which is commensurate with the level of analyte concentration, is detected.

## High Reliability

### Excellent correlation with standard laboratory analyzer

AU10V provides reliable and accurate results. It has excellent correlations with its comparison methods in serum samples.

