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.*

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


Top

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

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

AU10V has an automatic dilution function for v-COR measurements to accommodate serum samples with high cortisol levels. (Plasma samples are to be measured in dilution mode regardless of cortisol level.)

Analyzer Specifications

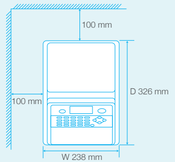
Dimensions (W x D x H)	238 x 326 x 310 [mm]
Weight	Approximately 7 kg
Operating temperature	15°C - 30°C (59°F - 86°F)
Setup time	3 min
Required sample volume	basic test : 100 µL dilution test : 20 µL
Data memory	100 tests
Cartridge information	Information about test parameters is embedded in the QR code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

Reagent Cartridges Specifications

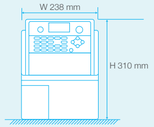
Types of sample	v-T4 : Canine and Feline Plasma/Serum vc-TSH : Canine Plasma/Serum v-COR : Canine Plasma (dilution) /Serum v-BA : Canine and Feline Plasma/Serum v-PRG : Canine Plasma/Serum
Dynamic Range	v-T4 : 0.50 - 8.00µg/dL (6.4 - 103.0 nmol/L) vc-TSH : 0.25 - 5.00 ng/mL v-COR : 1.0 - 30.0 µg/dL (27.6 - 828.0 nmol/L) 1.0 - 50.0 µg/dL (27.6 - 1380.0 nmol/L) (with dilution) v-BA : 2.0 - 150.0 µmol/L v-PRG : 0.20 - 40.00 ng/mL (0.64 - 127.20 nmol/L)
Measurement time	Approximately 10 min (without dilution)
Package Unit	10 cartridges/box
Reagent Storage	2°C - 8°C (35.6°F - 46.4°F)

DIMENSIONS

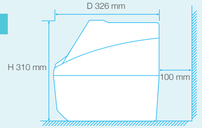
Top



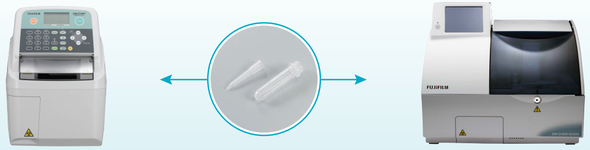
Front



Side



System Configuration Diagram



IMMUNO AU10V

FUJI PLAIN/HEPARIN TUBE and FUJI DRI-CHEM AUTO TIPS can be used in both systems.

DRI-CHEM analyzers

Options

Sample barcode reader

Printer

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 IEC60825-1:2014 / EN60825-1:2014)

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CE

Ref. No. FDCAU10V R2 (18-06-F1079-F8598) Printed in Japan

FUJIFILM
Value from Innovation

DRI-CHEM
IMMUNO AU10V

Automated Fluorescence Immunoassay Analyzer

NEW Progesterone Test

Innovation in Immunodiagnostic Testing

Key Features

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

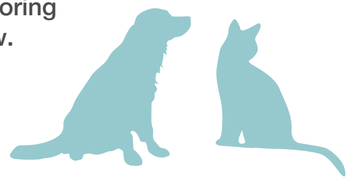
New test parameter: Progesterone (v-PRG)

- Easy to use
- Rapid measurement (approximately 10min)
- Serum and plasma samples are measureable in all tests
- Feline samples are measurable in v-T4 and v-BA
- The only bench top analyzer with TSH test

Reagent Cartridges Specifications

Test Parameter		Application
NEW 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

Real time diagnosis and monitoring for hormones are possible now.



DRI-CHEM IMMUNO AU10V

A new in-clinical Immunodiagnostic Analyzer realized by FUJIFILM's cutting edge technologies

FUJI DRI-CHEM IMMUNO AU CARTRIDGE v-PRG

FUJI DRI-CHEM IMMUNO AU CARTRIDGE v-T4

FUJI DRI-CHEM IMMUNO AU CARTRIDGE vc-TSH

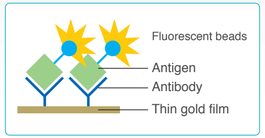
FUJI DRI-CHEM IMMUNO AU CARTRIDGE v-COR

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.



① Sample Injection
The sample, which is mixed with the reagent, will be dispensed into the sample flow channel of the cartridge.

② Binding Reaction
The analyte binds with the antibody, which will be attached to the thin gold film.

③ Laser Beam Irradiation
A SPR is generated upon irradiation by the laser beam.

④ 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.