

FUJII DRI-CHEM AU20V Specifications

Measurement method	Surface plasmon-enhanced fluorometry Serum amyloid A (SAA), progesterone (PRG), thyroxine (T4), thyroid-stimulating hormone (TSH), cortisol (COR), bile acids (BA)
Test Parameters	270 tests
Data memory	270 tests
Setup time	3 min (time from power ON to measurement ready)
Power	AC 100-240V ±10%, 50-60Hz, 1.4-0.8A
Dimensions	W260 × D330 × H320 mm
Weight	Approx. 9 kg

Options



Reagent Cartridges Specifications (sold separately)

FUJII DRI-CHEM IMMUNO AU CARTRIDGE vF-SAA		FUJII DRI-CHEM IMMUNO AU CARTRIDGE v-PRG	
Parameters Type	Serum amyloid A (SAA)	Parameters	Progesterone (PRG)
Type of sample	Feline serum, Feline plasma (dilution measurement only for serum and plasma)	Type of sample	Canine serum Canine plasma
Measurement range	3.75-225.0 µg/mL	Measurement range	0.20-40.00 ng/mL (0.64-127.20 nmol/L)
Measurement time	Approx. 10 min*	Measurement time	Approx. 10 min*
Required sample volume	min* 10 µL	Required sample volume	100 µL
FUJII DRI-CHEM IMMUNO AU CARTRIDGE v-T4		FUJII DRI-CHEM IMMUNO AU CARTRIDGE vc-TSH	
Parameters Type	Thyroxine (T4)	Parameters	Thyroid-stimulating hormone (TSH)
Type of sample	Canine serum, Feline serum Canine plasma, Feline plasma	Type of sample	Canine serum Canine plasma
Measurement range	0.50 - 8.00 µg/dL (6.4 - 103.0 nmol/L)	Measurement range	0.25-5.00 ng/mL
Measurement time	Approx. 10 min*	Measurement time	Approx. 10 min*
Required sample volume	100 µL	Required sample volume	min* 100 µL
FUJII DRI-CHEM IMMUNO AU CARTRIDGE v-COR		FUJII DRI-CHEM IMMUNO AU CARTRIDGE v-BA	
Parameters	Cortisol (COR)	Parameters	Bile acids (BA)
Type of sample	Canine serum, Canine plasma (dilution measurement only for plasma)	Type of sample	Canine serum, Feline serum Canine plasma, Feline plasma
Measurement range	1.0-30.0 µg/dL (27.6 - 828.0 nmol/L) 1.0-90.0 µg/dL (27.6 - 2502.0 nmol/L) for dilution measurement	Measurement range	2.0-150.0 µmol/L
Measurement time	Approx. 10 min*	Measurement time	Approx. 10 min*
Required sample volume	20 µL 100 µL for basic conductivity measurement	Required sample volume	min* 100 µL

*At 24°C. The measurement time may vary depending on the ambient temperature.

Consumables for DRI-CHEM analyzers

Tubes (500 pieces / box) -	Tips (576 pieces / box)
FUJII HEPARIN TUBE 0.5 mL - FUJII HEPARIN TUBE 1.5 mL - FUJII PLAIN TUBE 0.5mL - FUJII PLAIN TUBE 1.5 mL	- FUJII AUTO TIPS

• External appearance and specification are subject to change without notice.
• Please read the instruction manual when using this product

*There are parameters, which may not be available in your area. For details please contact your local distributor.

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FUJIFILM

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FUJIFILM
Value from Innovation

FVet

Innovation
that cares



Automated Fluorescence
Immunoassay Analyzer



FUJIFILM

DRI-CHEM AU20V

Multiple test parameters in simple operation

A clinical workflow game changer analyzer.



Test measurements, results confirmation and reporting to pet owners are all done in one place.

The newly launched DRI-CHEM AU20V can provide you an efficient clinical workflow.

SAA (serum amyloid A)
Feline inflammatory marker

T4 (thyroxine)
Thyroid function test

COR (cortisol)
Adrenal function test

PRG (progesterone)
Reproductive Management

TSH (thyroid-stimulating hormone)
Thyroid function test

BA (bile acids)
Liver function test



STRESS-FREE TESTING FROM SETUP TO CONFIRMATION OF RESULTS

Simple operation: Just set the sample, reagents and consumables into the analyzer.

Just set the sample, reagents and consumables. Test parameters requiring dilution are automatically identified after reagent cartridge set and dilution is performed. Press the start button to start the measurement which takes about 10 minutes.



1. Set the sample, cartridge, tips, and diluent (only for dilution measurements).



2. Press the start button.



No dispensing or stirring of reagents required



No incubation required



The Auto tips and sample tubes (FUJI Tubes) are also usable in the FUJI DRI-CHEM NX600V / NX700V series clinical chemistry analyzers.

EASY-TO-OPERATE, EASY-TO-VIEW COLOR TOUCH PANEL

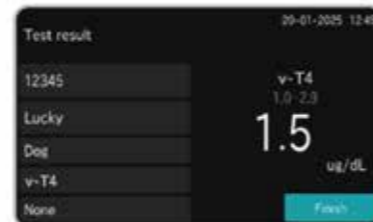
All operation buttons and information related to settings and measurements are displayed on the color touch panel.

During measurement, The remaining time is displayed in large digits on the display.

Easy to understand at a glance and intuitive to use.



Remaining measurement time is displayed.



Results screen



Calendar

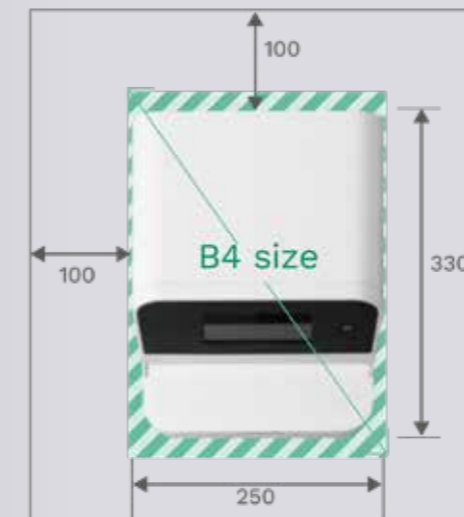


Easy results search

DRI-CHEM AU20V REAL SCALE Actual size of the AU20V

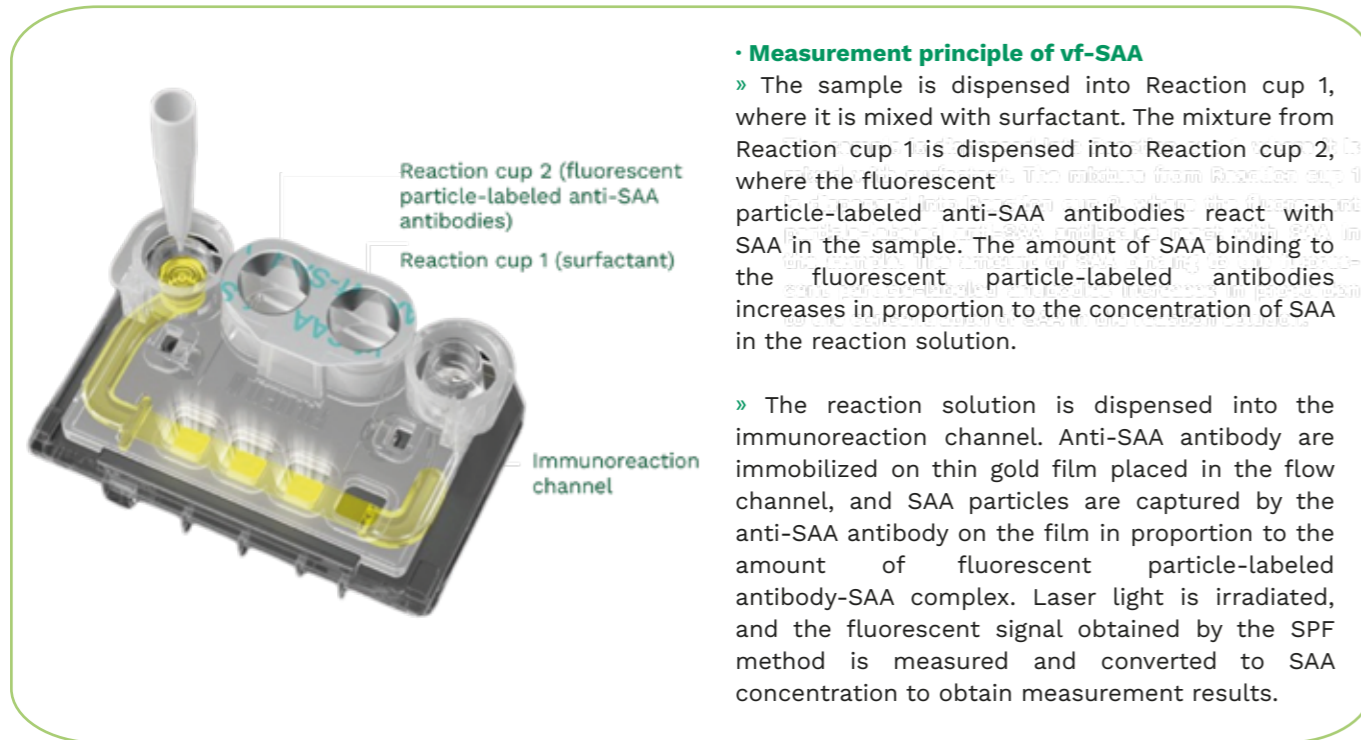
COMPACT DESIGN THAT FITS INTO ANY SPACE

Footprint



HIGH SENSITIVITY AND SHORT MEASUREMENT TIME ARE ACHIEVED WITH PROPRIETARY TECHNOLOGY.

Downsizing and shorter measurement time achieved by the SPF method*1



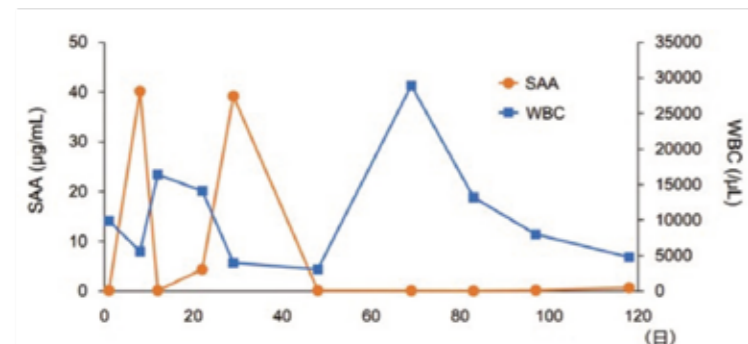
In immunoassays using antigen-antibody reaction, it is possible to measure even minute molecular markers in a sample. It is important, however, to suppress the influence of substances other than the target antigen. In this system, the target antigen labeled with fluorescent particles is captured on a gold film in the reagent cartridge. Laser light is irradiated from beneath the film, causing only the captured fluorescent particles to emit light, thereby eliminating the need for a cleaning process (B/F separation*2). Thanks to the SPF technology, downsizing and shorter time for the immunoassay have been achieved.



*1 SPF: Surface Plasmon enhanced Fluorescence

*2 B/F separation: Separating substances bound to antibodies from unbound free substances.

OBJECTIVE ASSESSMENT OF INFLAMMATION AND PATIENT CONDITION USING SAA MEASUREMENT



SAA (SERUM AMYLOID A)

“Use in monitoring”

FelineSAA is used to aid in the diagnosis of various diseases and to evaluate treatment effectiveness. It is important to measure SAA levels at the initial consultation and at the start of treatment, and then monitor any changes thereafter in order to utilize this information in clinical practice.

← An example of changes in SAA in cat with visceral mastocytoma. In a case of a cat with low SAA (below the lower limit of the measurement range) before treatment, high SAA was observed during chemotherapy, indicating the possibility of infection due to myelosuppression.
Quote: From the late Dr. Takashi Tamamoto



ALL TEST PARAMETERS CAN BE MEASURED IN SERUM AND PLASMA

Emergency testing can be performed immediately by using plasma. This analyzer will save you time and effort, ensuring smooth testing.

Applicable samples

Test parameters	Species	Serum	Plasma	Required sample volume
SAA (serum amyloid A)	Cats	✓✓✓✓	✓	10 µL
PRG (progesterone)	Dogs	✓* ✓	✓	100 µL
T4 (thyroxine)	Dogs, Cats		✓	100 µL
TSH (thyroid-stimulating hormone)	Dogs		✓	100 µL
COR (cortisol)	Dogs		✓	20 µL (100 µL for basic measurement)
BA (bile acids)	Dogs, Cats			100 µL

Auto dilution

*Serum COR measurement can be performed with or without dilution.

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NO NEED TO PREPARE 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. **QR code* is a registered trademark of DENSO WAVE INC.



FLEXIBILITY IN SAMPLE TUBES

0.5 mL and 1.5 mL sample tubes are usable, allowing flexibility in blood collection and testing conditions.