

IF-10

IMMUNOFLUORESCENCE QUANTITATIVE ANALYZER

Make veterinary diagnosis become precise and easy

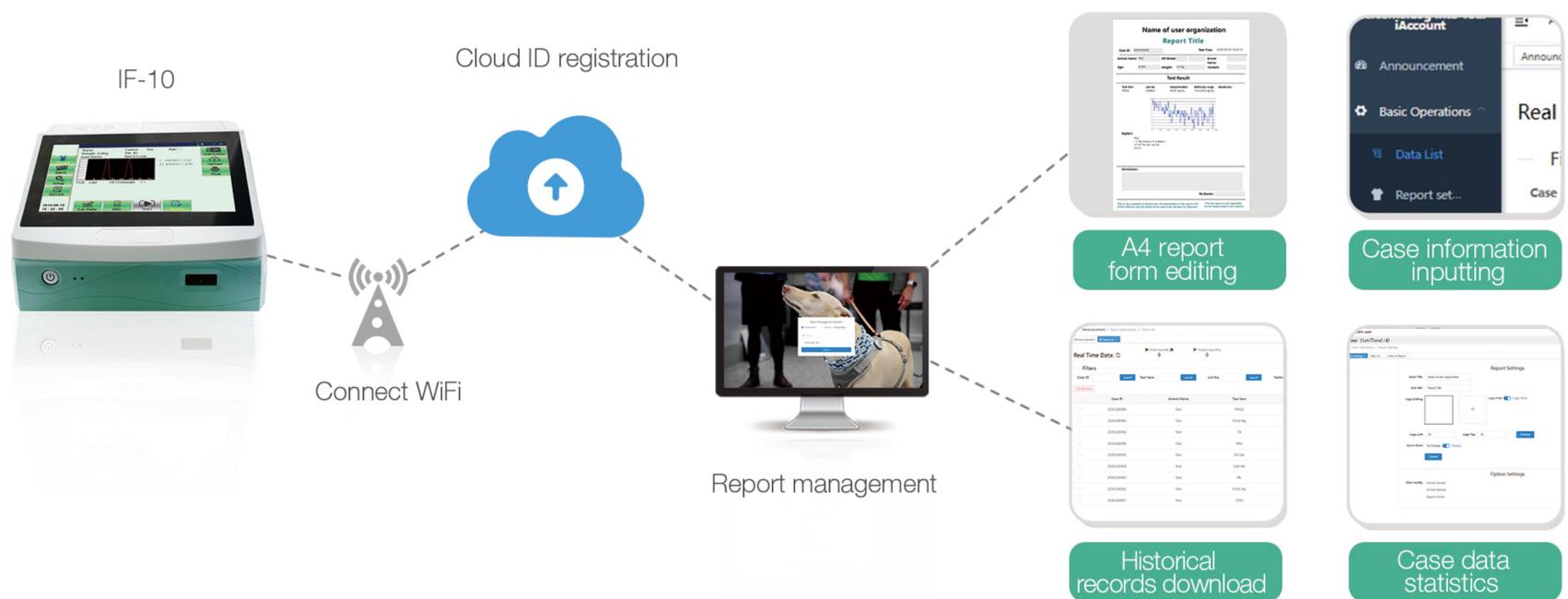




Product features



Professional management platform



Instrument parameters



★ IF-10 Configuration

Assay Method	Lateral Flow Chromatography (Immunofluorescence)
Excitation light source	LED
Detection channel	Signal
LCD screen	7 inch
Printing mode	Built in miniature printer
Net weight	1.65Kg
Size	210mm×210mm×130mm
Working environment	Temperature: +15 ~35°C, 10%~85% RH, 70~106KPa
Power supply	100V~240V, 50~60 Hz, 40 VA
Connectivity	WIFI, USB, RS232, Network, Power interface
language	Chinese, English, Français, Русский, Español, Polski, Українська etc. The software language can be customized.

Canine / feline thyroxine (T4) Canine thyrotropin (TSH)



T4 >>>

The main hormones secreted by the thyroid gland are all synthesized by the thyroid gland; The synthesis of T3 in thyroid is only about 20% of T4, and about 50% of T3 in peripheral circulation is formed by the deiodination of T4 in skin, liver, skeletal muscle and kidney. Thyroxine is a hormone synthesized and secreted by thyroid follicular cells, which is released into the blood circulation in a free form and quickly combines with plasma proteins.

TSH >>>

Thyroid stimulating hormone (TSH) is a hormone synthesized and secreted by the pituitary gland. On the one hand, it is promoted by the thyroid stimulating hormone releasing hormone (TRH) secreted by the hypothalamus, on the other hand, it is inhibited by the feedback of thyroid hormone. They are antagonistic to each other. They form the hypothalamus adenohypophysis thyroid axis. Hypothyroidism in dogs is mostly primary. Due to the decrease of T4 secreted by thyroid, TSH synthesized and secreted by pituitary usually increases through negative feedback regulation mechanism, resulting in the increase of serum TSH concentration. The sensitivity and specificity of detecting serum TSH concentration in the diagnosis of canine hypothyroidism are about 75% and 80%.

Clinical symptoms

Hypothyroidism in dogs common symptom

- 1 Unexplained obesity
- 2 non pruritic symmetrical depilation of trunk and feet
- 3 drowsiness
- 4 mental retardation
- 5 exercise intolerance
- 6 cold intolerance

Hyperthyroidism in cats common symptom

- 1 Weight loss
- 2 overexcited
- 3 Mental disorder
- 4 dry hair
- 5 Visible hairiness
- 6 excessive depilation

Clinical significance

T4 test • thyroid disease screening test for dogs and cats

TSH detection • determination of the second stage of hypothyroidism in dogs

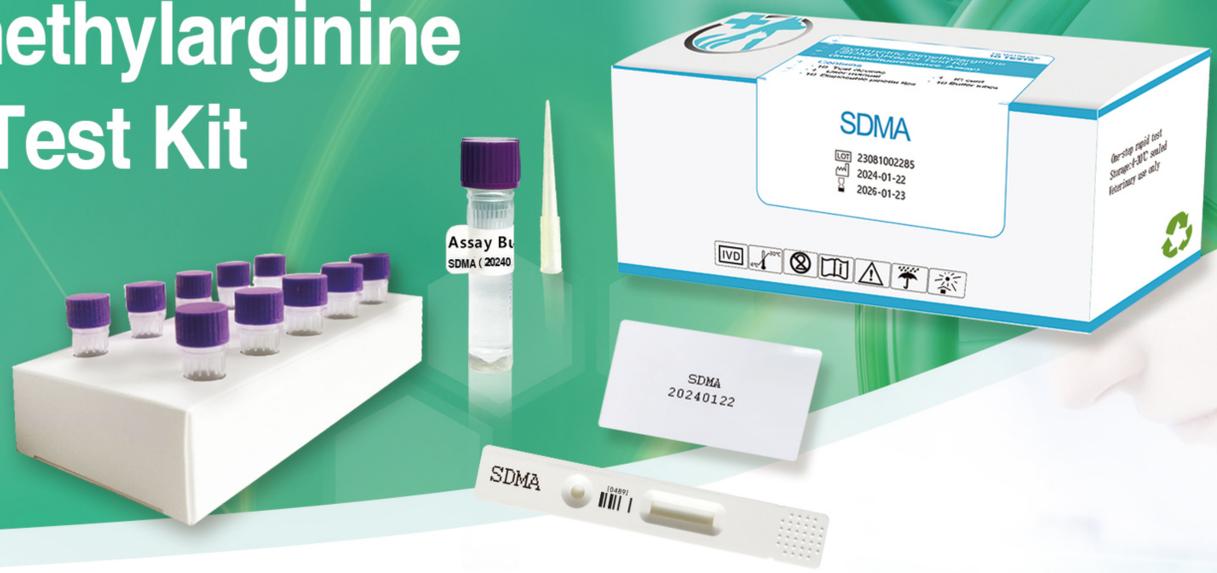
Combined detection of T4 and TSH • primary hypothyroidism (low T4 , high TSH)
• Secondary hypothyroidism (low T4, normal TSH)

Testing steps | standard mode



★ See the kit manual for specific operation standards

Symmetric Dimethylarginine (SDMA) Rapid Test Kit



SDMA >>>

The kit is used to quantitatively detect the content of SDMA in plasma/serum samples by immunochromatography. The test sample is mixed with diluent, then add mixed sample into the sample hole. SDMA in the sample is combined with the fluorescent labeled SDMA antibody to form an immune complex. The immune complex stream reacts with the test area SDMA antibody through the test zone, and generates a fluorescent signal in the reaction zone after being excited by a specific wavelength, and the signal intensity is proportional to the SDMA content in the sample. The concentration of SDMA in the sample can be quantitatively detected using a fluorescence detector.

Early symptoms of kidney disease



Testing steps standard mode

1 Sample type : plasma (heparin)

(4000-6000 r/min)
10-15min.

2 Add 50 μ L sample to the tube containing the buffer and mix thoroughly.

50 μ L

3 Read the IC card

4

Pipette picks up 100 μ L of diluted sample
Add mixture to test card

after add the sample, push the test card into analyzer, wait for result.

★ See the kit manual for specific operation standards

CANINE PROGESTERONE

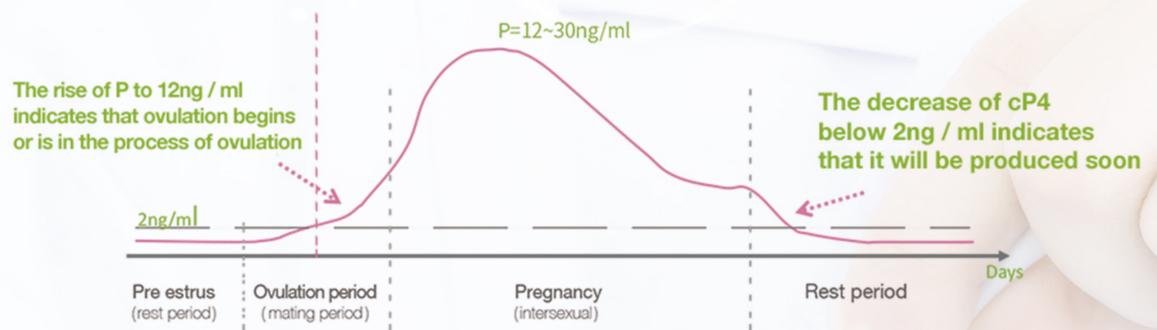
PROG



Canine progesterone

Canine progesterone, also known as canine progesterone (generally abbreviated: cP4), also known as progesterone, is one of the estrogen indicators necessary to determine whether a dog can conceive and maintain pregnancy. Progesterone has different concentrations in different estrous cycles in dogs, so it is necessary to evaluate the level of hormone through a series of tests to judge whether the dog is in pre estrus, mating, pregnancy or delivery.

Quantitative detection of progesterone content in estrous female dogs

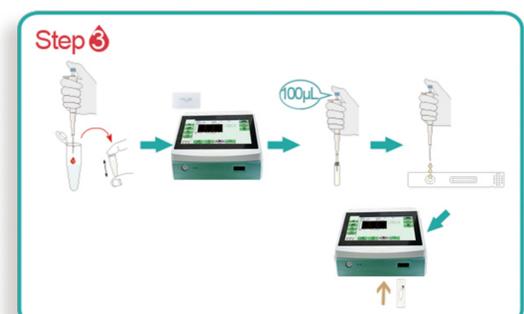
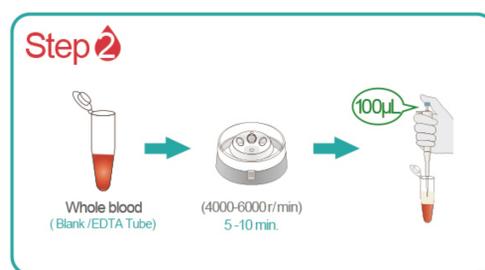
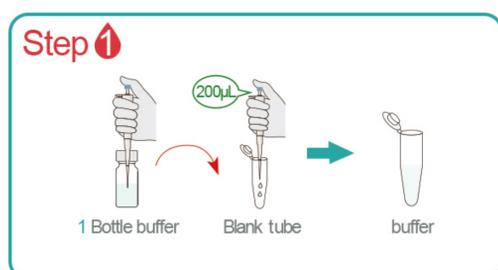


*THIS PROG CONCENTRATION CHANGE TREND TABLE IS DRAWN ACCORDING TO THE CONCENTRATION CHANGE OF P VALUE CORRESPONDING TO THE TEST RESULTS OF OUR ACTUAL PRODUCTS, AND WITH REFERENCE TO INTERNATIONAL GENERAL LITERATURE FOR REFERENCE ONLY, THE DETAILS SHALL BE SUBJECT TO THE ACTUAL TESTED PRODUCTS.

Product advantages

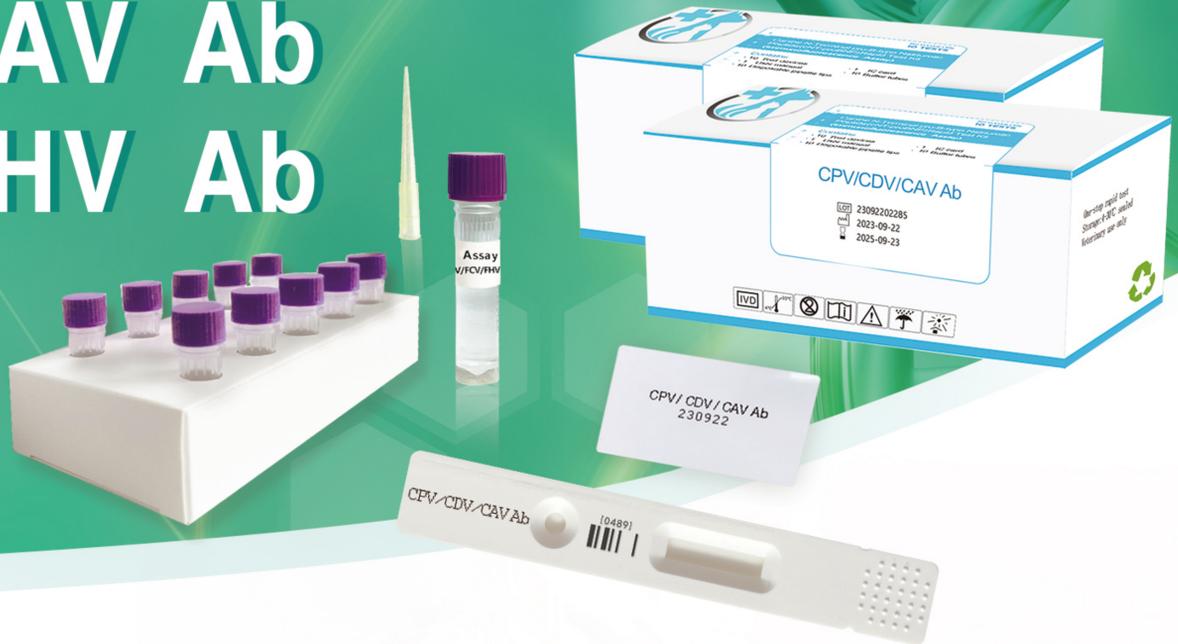
- 01 Quantitative visualization of test results
- 02 Evaluation of gynecological organic diseases caused by abnormal estrogen secretion in female dogs
- 03 It is suitable for monitoring the whole estrous cycle of female dogs
- 04 It can be combined with other estrus detection methods with higher accuracy
- 05 Reduce the loss of non mating, empty pregnancy and abortion caused by insufficient hormone level.

Testing steps standard mode



★ See the kit manual for specific operation standards

CPV/CDV/CAV Ab FPV/FCV/FHV Ab



Antibody



Antibodies are important immune effector molecules in animals. Lymphoid B cells differentiate into plasma cells after being stimulated by effective antigens to produce glycoproteins that are specific to the corresponding antigens. However, as a complex biological reaction in animals, the emergence and development of immune response are affected and restricted by many factors. Therefore, after vaccine immunization, quantitative and rapid detection of whether antibodies are produced is one of the important means to determine the immune effect.

Product advantages



One test card
One time sampling
Three item results



5-15 min.
Quick Test



0.5ml Blood Sample
Micro blood collection to reduce stress



Diversified reports
Thermal printing report, A4 report,
jpg Picture Report

Detection time



Antibody was detected after
the last immunization > 21 days



It is recommended to measure
the antibody level once a year with
the pet's physical examination

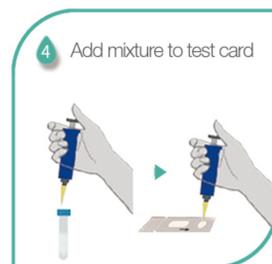
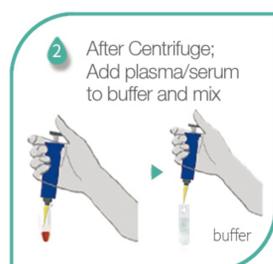
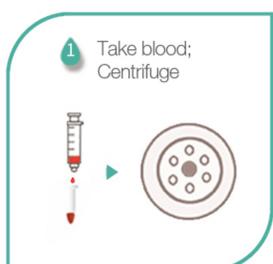


Antibodies were detected
after the last immunization
> 21 or 28 days



It is recommended to measure
the antibody level once a year with
the pet's physical examination

Testing steps standard mode



IMMUNOFLUORESCENCE QUANTITATIVE REAGENT LIST

Clinical application	Product item	Shortname	Sample type	Reaction time
Inflammatory markers	Canine C Reactive Protein Rapid Test Kit	cCRP	Serum, plasma	10 min.
	Feline Serum Amyloid A Rapid Test Kit	fSAA	Serum, plasma	5 min.
Digestive disease	Canine Pancreatic Lipase Rapid Test Kit	cPL	Serum	10 min.
	Feline Pancreatic Lipase Rapid Test Kit	fPL	Serum	10 min.
Endocrine diseases	Thyroxine Rapid Test Kit	T4	Serum	10 min.
	Thyroid Stimulating Hormone Rapid Test Kit	cTSH	Serum, plasma	15 min.
	Cortisol Rapid Test Kit	COR	Serum	10 min.
Infectious disease antigen	Canine Parvo Virus Antigen Rapid Test Kit	CPV Ag	fresh canine feces/rectal swab	10 min.
	Canine Distemper Virus Antigen Rapid Test Kit	CDV Ag	Conjunctival epithelial cells	10 min.
	CPV Ag and CCV Ag Combo Rapid Test Kit	CPV/CCV Ag	fresh feces/rectal swab	10 min.
	Canine Corona Virus Antigen Rapid Test Kit	CCV Ag	fresh feces/rectal swab	10 min.
	Feline Panleukopenia Virus Antigen Rapid Test Kit	FPV Ag	fresh feces/rectal swab	10 min.
	Feline Calicivirus Antigen Rapid Test Kit	FCV Ag	Nasal and mouth secretions	10 min.
	Feline Herpesvirus type 1 Antigen Rapid Test Kit	FHV Ag	Nasal and mouth secretions	10 min.
	Feline Corona Virus Antigen Rapid Test Kit	FCoV Ag	fresh feces/rectal swab	10 min.
	Feline Leukemia Virus Antigen (FeLV Ag) Rapid Test Kit	FeLV Ag	plasma	15 min.
	Giardia Antigen (Gia Ag) Rapid Test Kit	GIA Ag	feces	15 min.
	Canine Heartworm Antigen (CHW Ag) Rapid Test Kit	CHW Ag	plasma	15 min.
	Panleukopenia and Corona Virus Antigen Rapid Test Kit	FPV/FCoV Ag	feces	15 min.
Infectious disease antibody	Canine Parvo Virus Antibody Rapid Test Kit	CPV Ab	plasma	10 min.
	Canine Distemper Virus Antibody Rapid Test Kit	CDV Ab	plasma	10 min.
	Canine Adeno Virus Antibody Rapid Test Kit	CAV Ab	plasma	10 min.
	Feline Panleukopenia Virus Antibody Rapid Test Kit	FPV Ab	plasma	10 min.
	Feline Calicivirus Antibody Rapid Test Kit	FCV Ab	plasma	10 min.
	Feline Herpesvirus type 1 Antibody Rapid Test Kit	FHV Ab	plasma	10 min.
	CPV Ab and CDV Ab and CAV Ab Combo Rapid Test Kit	CPV/CDV/CAV Ab	plasma	10 min.
	FHV Ab and FCV Ab and FPV Ab Combo Rapid Test Kit	FHV/FCV/FPV Ab	plasma	10 min.
	Feline Coronavirus IgG Antibody (FCoV Ab) Rapid Test Kit	FCoV Ab	plasma	15 min.
	Canine Anaplamsa IgG Antibody (ANA Ab) Rapid Test Kit	ANA Ab	plasma	15 min.
	Canine Ehrlichia IgG Antibody (EHR Ab) Rapid Test Kit	EHR Ab	plasma	15 min.
	Canine Leishmania IgG Antibody (LSH Ab) Rapid Test Kit	LSH Ab	plasma	15 min.
Feline Immunodeficiency Virus Antibody (FIV Ab) Rapid Test Kit	FIV Ab	plasma	15 min.	
Reproductive hormone	Canine Progesterone Rapid Test Kit	PROG	Serum, plasma	10 min.
Cardiac markers	Canine troponin I (cTnI) Rapid Test Kit	cTnI	Serum	15 min.
	Feline troponin I (fTnI) Rapid Test Kit	fTnI	Serum	15 min.
	Canine N-Terminal pro-B-type Natriuretic Peptide Rapid Test Kit	cNT-proBNP	Serum, plasma	10 min.
	Feline N-Terminal pro-B-type Natriuretic Peptide Rapid Test Kit	fNT-proBNP	Serum, plasma	10 min.
Kidney markers	Symmetric Dimethylarginine(SDMA) Rapid Test Kit	SDMA	plasma (heparin)	10 min.

⊕ **NOTE:** only EDTA anticoagulant centrifuge tube can be used to prepare whole blood and plasma samples; For the preparation of serum samples, only blank centrifuge tubes (or vacuum blood collection vessels containing coagulants) can be used.