VETERINARY DIAGNOSTICS PRODUCT CATALOGUE

ONE STEP TESTS MICROBIOLOGY AGGLUTINATION ELISA FLUO

DIAGNOSTIC TEST ASSAYS FOR COMPANION ANIMALS





Diagnostics Division of AGROLABO S.p.A. group

We thank you for the interest shown in our diagnostic test assays for companion animals.

Founded in 1975, AGROLABO, has built a strong reputation as a leading manufacturer of Diagnostic, Therapeutic and Nutritional products for veterinary application.

For more than 20 years, Agrolabo has been developing, manufacturing and marketing innovative technology-based diagnostic solutions for Immunology, Immunohaematology and Infectious Diseases. The Biopronix Product Line includes a comprehensive portfolio of high-quality diagnostic products, developed to provide veterinarian clinics and laboratories with efficient tools for the promotion of companion animal health care.

As a leader in innovation of in vitro immunodiagnostic test systems, Agrolabo is specialised in Rapid One Step Tests, based on the immunochromatographic method (lateral flow technique), Enzyme-Linked Immunosorbent Assays (ELISA) and Immunofluorescence slides. All of our tests employ exclusively recombinant proteins and/or monoclonal antibodies as reagents. Several kit formats are available under the Agrolabo and Biopronix logos. Subject to minimum order quantities, we are also available to manufacture personalised packaging or to supply products under your own business logo.

Agrolabo is fully dedicated to manufacturing innovative quality products, combining the newest technologies with the highest international standards for quality. Raw materials and finished products undergo rigorous quality controls to assure product performance and consistent optimal quality. Our company's activities and our products are guaranteed by EN UNI ISO 9001:2000 quality certification.

Our commitment to developing strong and lasting relationships with our customers is at the heart of our success. We focus our efforts on meeting the needs of our customers by collaborating in an efficient and flexible way, in order to help clients to obtain the answers and results they need, by developing innovative products and carrying out quality research. We are scientist ourselves.

Our products are distributed and appreciated all over the world, in countries throughout Europe, the USA and Asia. Our distributors worldwide are increasing their sales and profit with our kits. We would welcome you to join our growing list of satisfied customers.

Agrolabo provides high quality products to all of its customers, supported by optimum assistance and service.





CATALOGUE CONTENTS

One Step Tests for Cats FeLV IC & FIV IC FeLV/FIV IC combo FPV IC Giardia IC	4 6 7 8
One Step Tests for Cats Distemper IC Ehrlichia IC Giardia IC Heartworm IC Leishmania IC Lyme IC Parvo IC	10 11 12 13 14 15 16
Multiforumla Rapid Test Kits DDAssist Test Kits	17
Rapid Microbiological Tests Dermakit	18
Rapid Agglutination Tests RapidVet-H canine RapidVet-H feline	20 21
ELISA TESTS	22
FLUO TESTS	



IC Test Kits One Step Tests For Cats

Agrolabo's IC Test Kits offer a complete range of affordable disease testing assays that provide quality screening methods for illnesses in cats.

Our rapid IC test kits for cats include single disease tests and combo disease test devices. All of our rapid on-step tests have clean, easy to use testing procedures that provide test results in ten minutes. The rapid test results are clearly presented by red control and test bands that are sharp, uniform and easy to interpret.

The diagnostic test kits available in our feline IC product range include FeLV IC, FIV IC, FeLV/FIV IC, FPV IC, and Giardia IC. Each kit contains convenient, cost effective, ready-to-use, highly accurate tests that help vets care for cats.

Each test is available in several different packaging sizes, including boxes with 1, 2, 5, or 10 tests, as well as DDAssist multi-test kits.

Common Features:

- o Easy to use testing procedures
- o Colloidal gold technology
- o Easy-to-read colour band signal with built-in test controls
- o Clear rapid results within 10 minutes
- o High sensitivity and specificity
- o Choice of samples
- o Room temperature storage
- Long term stability 12 month shelf life
- o No additional instrumentation required



One Step Test FeLV IC and FIV IC



Agrolabo's FeLV IC and FIV IC test kits provide effective screening tools, able to provide accurate results and helpful to identify, confirm or rule out disease in cats.

The FeLV IC test utilises a highly specific monoclonal antibody to test both asymptomatic and symptomatic cats for FeLV antigen, while the FIV IC test detects antibodies against the virus using a highly purified p24 recombinant protein. Both tests deliver accurate results that are easily read by the naked eye, in just 10 minutes.

Technical Details

Available pack sizes: 1, 2, 5, 10 test kits Specific for: Pathology: Method: Analyte: Sample: Total run-time: Hands-on time: Result reading: Shelf life: Instructions:

Cats Feline Leukaemia Virus Immunochromatographic Antigen Capture molecules: Specific p27 monoclonal antibody Serum, plasma, whole blood 10 minutes 1 minute Visual Additional materials: All materials/instruments provided Storage temperature: Room temperature (18-25°C) 12 months from production date Multilingual

Technical	Details FIV IC		
Available pack sizes:	1, 2, 5, 10 test kits		
Specific for:	Cats		
Pathology:	Feline Immunodeficiency Virus		
Method:	Immunochromatographic		
Analyte:	Antibody		
Capture molecules:	p24 recombinant protein		
Sample:	Serum, plasma, whole blood		
Total run-time:	10 minutes		
Hands-on time:	1 minute		
Result reading:	Visual		
Additional materials:	All materials/instruments provided		
Storage temperature:	Room temperature (18-25°C)		
Shelf life:	12 months from production date		
Instructions:	Multilingual		

Feline Leukemia Virus (FeLV) and Feline Immunodeficiency Virus (FIV) infections are two of the most common and fatal feline diseases worldwide. FeLV and FIV infections can cause severe immune suppression, anemia, and result in increased susceptibility to other diseases and cancers.

FNIC



Feline Leukemia Virus (FeLV) is retrovirus of the Retroviridae family causing leukemia, anemia and immunosuppression. Despite the decreasing prevalence of FeLV infections as a result of testing and vaccination programs, the disease remains the most fatal disease of cats. Feline Leukemia Virus is spread worldwide with an incidence strictly related to the density of feline populations. Infected cats transmit the FeLV infection through infected body fluids (saliva, maternal milk, faeces and urine). Transmission occurs mostly through oro-nasal contact and bite wounds. Other less frequent routes of viral spread include sharing food and water bowls, cats grooming each other, and transmission from mother to kittens before birth or during nursing. FeLV viremia can persist for many weeks, or months, without causing significant clinical signs. The progression of the disease depends on how successfully the cat's immune system reacts to the virus. In predisposed cats, persistent viremia causes the development of associated diseases including, but not limited to, anemia, neoplasia and disorders associated with immune dysfunction.

Feline Immunodeficiency Virus (FIV) is a lentivirus of domestic and wild cats found worldwide. After a long incubation period, which can last up to years, FIV infection induces an immunosuppressive disease responsible for opportunistic and secondary infections of the respiratory, gastrointestinal, urinary, cutaneous and nervous systems. Among the most important clinical signs are gingivitis/stomatitis, diarrhea, limphadenopathy, fever, anemia and leukopenia.

The most common mode of transmission of FIV infections is through saliva and bite wounds. The highest rate of infection is generally found in outdoor adult males (5-6 years). As the virus survives outside of the body for only a few minutes, non-aggressive contact does not appear to be an efficient route of spreading the disease. The disease is not transmitted through sexual contact; utero and neaonatal transmissions through colostrum and milk are considered uncommon.

Currently, treatment of the disease is not available and infected cats die within weeks or months once symptoms appear.

The most effective way to protect cats from infection with FeLV and FIV viruses is to prevent exposure to infected cats.

Early detection may help maintain the health of infected cats and prevent spreading infection to other cats.

It is recommended for cats to be tested for FeLV and FIV infections under the following circumstances:

- During sickness regardless of age, previous negative test results and vaccination status
- When new cats are to be introduced to a group
- When a subject has been potentially exposed, such as though bite wounds.
- When subjects have a history of unsupervised outdoor activity or of residing in a household with cats of unknown infection status
- Prior to reproduction
- Prior to vaccination



One Step Test FeLV/FIV IC



The new **FeLV/FIV IC** two-in-one test, combines the accuracy and precision of Agrolabo's FeLV IC and FIV IC tests in one convenient and affordable single device. With just one blood sample, veterinarians are able to screen for the two most common infectious diseases in cats.

No additional training is required to carry out the assay's easy-to-follow test procedure. Just a few drops of serum, plasma, or whole blood added to the device's sample windows, followed by 1-2 drops of sample diluent, is required.

The new FeLV/FIV IC test is easily interpretable, providing easy-to-read visual results in just 10 minutes.



Common features of FeLV IC and FIV IC tests:

- o Easy to use: two simple steps add sample & sample buffer
- o **Rapid:** reliable in-house diagnosis in just 10 minutes, less than 1 minute hands-on-time
- o Straightforward: easily interpretable visual results
- o Reliable: built-in test control confirming the correct execution of test
- o Choice: plasma, serum, or whole blood samples can be used
- o Practical: room temperature storage
- o Quality guarantee: high sensitivity and specificity
- o Long term stability: 12 month shelf-life
- o Convenient: no additional instrumentation required
- o Economical: value for money in several packaging formats

One Step Test FPV IC



The **FPV IC** test is a chromatographic immunoassay designed for the qualitative detection of feline panleukopenia virus (FPV) antigen in faeces samples.

The development of the FPV IC test has been optimised over 10 years of diagnostic experience of this pathology. The test employs two specific monoclonal antibodies to feline panleukopenia virus to selectively identify antigen with a high degree of sensitivity.

The FPV IC test is a simple in-practice test that enables veterinarians to screen for infection during a brief appointment. In less than 10 minutes, FPV IC assays provide accurate results that can be interpreted with confidence.



Studies of the assay's sensitivity show that the FPV IC test is able to detect antigen concentrations as low as 15 ng/ml.

FPV IC kits provide excellent value for money. Test kits are sold in several convenient package sizes, including kits with 1, 2, 5, or 10 tests and DDAssist multi-test kits.





One Step Test Giardia IC

The Giardia IC test is a rapid response in-clinic assay that allows veterinarians to run screening testing at their convenience. This carefully designed diagnostic tool accurately detects Giardia lamblia antigen in small amounts of faeces samples. Available in several kit formats, all of which stored at room temperature, the Giardia IC test provides qualitative, cost-effective, ready-to-use diagnostics that can be trusted.



Available pack sizes: Specific for: Pathology: Method: Analyte: Capture molecules: Sample: Total run-time: Hands-on time: Result reading: Additional materials: Storage temperature: Shelf life: Instructions: 1, 2, 5, 10 test kits Cats, dogs Giardiasis Immunochromatographic Antigen Monoclonal antibodies Faeces 5 -10 minutes 1 minute Visual All materials/instruments provided Room temperature (18-25°C) 12 months from production date Multilingual



Giardia lamblia, synomymous with Lamblia intestinalis and Giardia duodenalis, is a flagellated protozoan parasite that colonises and reproduces in the small intestine, causing giardiasis. Giardia are one of the most common parasites infecting cats worldwide.

Giardia cysts are the primary means of transmission from host to host. Giardia cysts are excreted in the faces of an infected cat, and then picked up when ingested by other cats sharing litter boxes. Giardia infections can also occur through ingestion of dormant cysts in contaminated water or food.

Not all cats infected with Giardia will become sick. Cats may host the organism for several years, while passing it on to other cats, before showing any clinical signs of giardiasis. Younger cats are more likely to develop the disease.

Giardiasis is difficult to diagnose through faecal examinations, as the protozoa are extremely small and are not passed with every stool. The microscopic identification of cysts present in faeces samples can be complex, requiring time and training. Diagnostic tools, such as rapid chromatographic immunoassays, provide simple point of care testing to assist veterinarians in the diagnosis of giardiasis. The most common symptom of giardiasis is diarrhea, either with sudden onset, or of the more chronic variety. The faeces are often abnormal, being pale, having a bad odour, and appearing greasy. Stools may be bloody or accompanied by mucous or flatulence, and the cat may lose weight, become listless, and neglect grooming.



IC Test Kits One Step Tests For Dogs

Agrolabo offers a complete range of chromatographic immunoassays designed for the qualitative detection of diseases in dogs.

Agrolabo's range of IC products offer rapid, easy-to-use, point-of-care tests to help veterinarians identify, confirm or rule out disease in dogs.

Each test is available in several different packaging sizes, including boxes with 1, 2, 5, or 10 tests, as well as DDAssist multi-test kits.

Our rapid chromatographic immunoassays are high performance, cost effective tests that increase practice efficiencies and provide economic value to veterinary care professionals.

The diagnostic test kits available in our canine IC product range include: Distemper IC, Ehrlichia IC, Giardia IC, Heartworm IC, Leishmania IC and Parvo IC.

Common Features:

- o Easy to use testing procedures
- o Colloidal gold technology
- Easy-to-read colour band signal with built-in test controls
- o Clear rapid results within 10 minutes
- High sensitivity and specificity
- o Choice of samples
- o Room temperature storage
- o Long term stability 12 month shelf life
- o No additional instrumentation required



One Step Test Distemper IC



Canine Distemper Virus (CDV)

Canine distemper is an incurable, contagious, viral disease of dogs and other members of the canine family. It is also infective to the Mustelidae family (ferrets, mink, weasels) and the Procyonidae family (raccoons, pandas). Its aethiologic agent is a morbillivirus (Paramixoviridae family) called Canine distemper Virus (CDV). Transmission occurs by direct contact, inhalation and transplacentarily.

Canine distemper causes very variable clinical symptoms, including lesions of the gastrointestinal, respiratory and nervous systems. Young puppies, between 3 and 6 months, are the most susceptible to infection.

The incidence of canine distemper infections has reduced over recent years, however it is still present all over the world and continued vigilance is necessary to prevent a resurgence of this



deadly disease. Diagnosis based on clinical symptoms, patient history, and testing is important. As prophylaxis of canine distemper is common practice, the detection of virus antigen is considered helpful for diagnosis.

The **DISTEMPER IC** test is rapid chromatographic immunoassay that accurately detects Canine Distemper Virus (CDV) antigen in blood and mucus samples. The test employs a gold conjugate and two specific monoclonal antibodies to selectively detect antigen in just 10 minutes. The test provides clear, easy to read results that can be trusted.



Sensitivity: 98.6%

Specificty: 100%

The evaluation of the reliability and validity of the Distemper IC test was completed through a series of studies that controlled specificity, sensitivity and correlation. Results demonstrate that the sensitivity of the Distemper IC test against RT-PCR is 98.6%, while specificity is 100% One Step Test Ehrlichia IC



The EHRLICHIA IC test is a chromatographic immunoassay for the qualitative detection of antibodies in samples of serum, plasma or whole blood, to aid in the diagnosis of canine Ehrlichiosis. The test employs a highly specific and purified recombinant antigen, a dominant antigen of Ehrlichia canis, specifically developed to accurately detect E. canis antibodies in blood specimens.

This highly reliable assay is practical and easy to use. Simply add 1 drop of serum, plasma or whole blood, followed by 1-2 drops of sample diluent to the sample test pad, and wait approximately 5 minutes to read the results. Screening for infection couldn't be easier!



Technical Details Ehrlichia IC

Available pack sizes: Specific for: Pathology: Method: Analyte: Capture molecules: Sample: Total run-time: Hands-on time: Result reading: Additional materials: Storage temperature: Shelf life: Instructions: 1, 2, 5, 10 test kits Dogs Ehrlichia canis Immunochromatographic Antibody Recombinant antigen Serum, plasma, whole blood 5 -10 minutes 1 minute Visual All materials/instruments provided Room temperature (18-25°C) 12 months from production date Multilingual

Test Validation

A comparative study between indirect immunofluorescence (IFA) and Ehrlichia IC, showed the following results: IFA titre <1:50 = neg. 35% - pos. 65%IFA titre 1:60 - 1:120 = neg. 24% - pos. 76%IFA titre 1:120 - 1:320 = neg. 0% - pos. 100%IFA titre >1:320 = neg. 0% - pos. 100%

Canine ehrlichiosis is an infectious disease caused by Ehrlichia canis, a micro-organism that infects monoucleate cells. This organism is primarily transmitted by the Rhipicephalus sanguineus tick, the main vector and the main reservoir of infection. The disease can also be transmitted to dogs through blood transfusions.

The clinical symptomatology of dogs with Ehrlichiosis is rather generic. There are two stages of ehrlichiosis, each varying in severity. The acute phase of the disease is not usually life threatening and infected animals will either become asymptomatic carriers, or progress to the chronic stage. The chronic phase represents a stage of infection in which the animal may show signs of lameness, neurological and ophthalmic disorders, kidney disease, and anemia and other blood disorders.

Diagnosis is achieved most commonly by serologic testing of the blood for the presence of antibodies against the Ehrlichia organism. Such testing is important during the chronic phase of the illness.



One Step Test Giardia IC

The GIARDIA IC test is a rapid response in-clinic assay that allows veterinarians to run screening testing at their convenience. This carefully designed diagnostic tool accurately detects Giardia lamblia antigen in small amounts of faeces samples. Available in several kit formats, all of which stored at room temperature, the Giardia IC test provides qualitative, cost-effective, ready-to-use diagnostics that can be trusted.

Technical Details Giardia IC Sensitivity: 98.4% Available pack sizes: 1, 2, 5, 10 test kits Specificity: 100% Specific for: Cats, dogs Pathology: Giardiasis Method: Immunochromatographic Analyte: Antigen Jok D Capture molecules: Monoclonal antibodies Sample: Faeces Total run-time: 5-10 minutes 1 minute Hands-on time: Result reading: Visual Additional materials: All materials/instruments provided Storage temperature: Room temperature (18-25°C) Shelf life: 12 months from production date Instructions: Multilinaual

Giardia lamblia, synomymous with Lamblia intestinalis and Giardia duodenalis, is a flagellated protozoan parasite that colonises and reproduces in the small intestine, causing giardiasis. Giardia are one of the most common parasites infecting dogs worldwide.

Giardia infections are primarily transmitted through the faecal-oral route, via ingestion of the trophocoites or cysts in contaminated food, water, or the environment. It is suggested that ingestion of as few as one or more Giardia cysts may cause the disease.

Not all dogs infected with Giardia will become sick. Dogs may host the organism for several years, while passing it on to other dogs, before showing any clinical signs of giardiasis. Puppies, immunodepresed dogs and dogs with multiple parasite infections are more likely to develop the clinical signs associated with the disease.

Giardiasis is difficult to diagnose through faecal examinations, as the protozoa are extremely small and are not passed with every stool. The microscopic identification of cysts present in faeces samples can be complex, requiring time and training. Diagnostic tools, such as rapid chromatographic immunoassays, provide simple point of care testing to assist veterinarians in the diagnosis of giardiasis. The most common symptom of giardiasis is diarrhea, either with sudden onset, or of the more chronic variety. The faeces are often abnormal, being pale, having a bad odour, and appearing greasy. Stools may be bloody or accompanied by mucous or flatulence, and the cat may lose weight, become listless, and neglect grooming.



One Step Test Heartworm IC

Heartworm disease is caused by the parasite Dirofilaria immitis, transmitted by at least 70 different genera of mosquitos, of which Aedes, Anopheles and Culex are the most common. The disease is reported in most temperate, semitropical and tropical countries. In dogs the greatest risk is for animals housed outdoors, medium- to large-sized, 3 to 8 years old.

The **HEARTWORM IC** test is a chromatographic immunoassay designed for the qualitative detection of Dirofilaria immitis antigen in blood samples.

The development of the Heartworm IC test has been optimised over 10 years of diagnostic experience of this pathology. The test employs highly specific monoclonal antibodies to selectively identify circulating D. immitis antigen with a high degree of accuracy.

The Heartworm IC test is a simple in-practice test that enables veterinarians to screen for infection during a brief appointment. In less than 10 minutes, Heartworm IC assays provide accurate results that can be interpreted with confidence.



Validation studies demonstrate that the Heartworm IC test is highly sensitive and has a high correlation level with commercially available ELISA tests.

Heartworm IC kits provide excellent value for money. Test kits are sold in several convenient package sizes, including kits with 1, 2, 5, or 10 tests and DDAssist multi-test kits.

Technical Details Heartworm IC

Available pack sizes: Specific for: Pathology: Method: Analyte: Capture molecules: Sample: Total run-time: Hands-on time: Result reading: Additional materials: Storage temperature: Shelf life: Instructions: 1, 2, 5, 10 test kits Dogs Heartworm disease Immunochromatographic Antigen Monoclonal antibodies Plasma, serum, whole blood 5 -10 minutes 1 minute Visual All materials/instruments provided Room temperature (18-25°C) 12 months from production date Multilingual



One Step Test Leishmania IC



The LEISHMANIA IC test is a chromatographic immunoassay for the qualitative detection of antibodies in samples of serum, plasma or whole blood, to aid in the diagnosis of canine The test employs highly purified Leishmaniasis. antigen, specific to Leishmania (promastigote stage), to accurately detect antibodies in blood specimens.

This highly reliable assay is practical and easy to use in any consulting room, providing for affordable screening testing at the vet's convenience!



Technical Details Leishmania IC

Available pack sizes: Specific for: Pathology: Method: Analyte: Capture molecules: Sample: Total run-time: Hands-on time: Result reading: Additional materials: Storage temperature: Shelf life: Instructions:

1, 2, 5, 10 test kits Dogs Leishmaniasis Immunochromatographic Antibody Specific antigen Serum, plasma, whole blood 5 -10 minutes 1 minute Visual All materials/instruments provided Room temperature (18-25°C) 12 months from production date Multilingual

Test Validation

Several validation studies have been carried out on the Leishmania IC test, including comparative studies with other commercial tests, with a panel of samples from different regions, with ELISA tests and with other rapid tests. Each study showed a high level of specificity and sensitivity.

Leishmaniasis is a chronic protozoal disease which affects dogs and humans. The main clinical symptons of the disease include mucocutaneous lesions, weight loss, lymphadenopathy, anemia, joint pains, liver failure, nervous and ocular damage. The disease is particularily widespread in the Mediterranean coastal areas and is spreading to surrounding inland regions with temperate climates, where vectors of leishmaniasis, different species of phlebotomine flies (hematophagous insects), are found.

The etiological agents of leishmaniasis are the Leishmania infantum and L. donovani protozoans, which are transmitted in their promastigote stage by phlebotomine sand flies, small dipterous hematophagous insects, similar to mosquitoes.

The incubation period of the disease, which varies from 3 months to several years, is followed by the appearance of variable symptoms which evolve slowly and progressively. These include cutaneous lesions, anemia, general lymphadenopathy, ocular lesions, liver and kideny failure, limping and chronic enteritis. The most evident cutaneous lesions include alopecia, furfuraceous desquamation, ulcers on the head and limbs.

Therapy is approached through the use of derivatives of antimonate and allopurinol. All antileishmania drugs are toxic and relapses are frequent. The mainstay of prevention of canine leishmanaisis includes controlling populations of stray dogs (reservoirs of infection) and insecticidal treatments. An effective vaccine against leishmaniasis does not exist.



One Step Test Lyme IC

The LYME IC test is a ready-to-use assay that provides clear, easy-to-interpret screening results in under 10 minutes. This carefully designed diagnostic tool accurately detects antibodies to Borrelia burgdorferi in small amounts of canine sera. Available in several kit formats, all of which stored at room temperature, the LYME IC test provides qualitative, cost-effective, in-house diagnostics that can be trusted.

Technical Details Lyme IC

Available pack sizes: Specific for: Pathology: Method: Analyte: Capture molecules: Sample: Total run-time: Hands-on time: Result reading: Additional materials: Storage temperature: Shelf life: Instructions: 1, 2, 5, 10 test kits dogs Lyme disease Immunochromatographic Antibody Purified antigen Plasma, serum, whole blood 5 -10 minutes 1 minute Visual All materials/instruments provided Room temperature (18-25°C) 12 months from production date Multilingual



Borreliosis (or Lyme disease) is an arthropode-born, bacterial disease of man and animals; among these the most affected are the dogs.

The causative agent is a spirochete, Borrelia burgdorferi, whose vectors are ticks of the species lxodes ricinus; both larvae and nymphs acquire the infection by feeding on infected reservoir hosts (primarily small mammals as small wild rodents) and transmitting the infection to the subsequent hosts; the highest incidence is observed in spring and autumn.

Therapy is based on the administration of antibiotics (penicillin and tetracycline), usually followed by a rapid regression of symptoms (primarily in joints) of most animals. A limited number of animals show persistence of infection in spite of the antibiotic therapy. A symptomatic therapy must be considered, especially for the renal, cardiac and neurologic syndromes, with administration of non-steroidal anti-inflammatory drugs in case of swollen and painful joints.

Prophylaxis is based on avoidance of contacts with ticks and applications of tick control products or collars. For the dog is available an inactivated vaccine, to be administered at 12 weeks of age, again after 3 to 5 weeks, and annually.

The most common symptoms of Lyme disease in dogs are: fever, anorexia, lethargy, lameness with swollen joints and lymphadenopathy. In renal borreliosis, generally fatal, uremia, proteinuria, ascites and edema are usually observed. The cardiac form is accompanied by conduction abnormalities and bradycardia, while in the neurologic form the most common symptoms are represented by facial paralysis and seizures.



One Step Test Parvo IC

The **PARVO IC** test is a rapid response chromatographic immunoassay designed for the qualitative detection of canine Parvovirus (CPV) antigen in faeces samples. The test employs specific monoclonal antibodies marked with colloidal gold, against canine parvovirus to selectively identify antigen with a high degree of accuracy.

The PARVO IC test is a simple in-practice test that provides accurate results in less than 10 minutes. Each test includes an easy-to-read colour band signal with built-in test control that can be interpreted with confidence. PARVO IC test kits are sold in several convenient package sizes, including kits with 1, 2, 5, or 10 tests and DDAssist multi-test kits, containing all the necessary materials for testing.

Test validation

The evaluation of the test's reliability and validity was completed through a series of studies that checked specificity, sensitivity and correlation.

The first study examined the test's sensitivity. The target aim of the test's development was to create a test able to detect positivity of a patient before clinical symptoms. The evaluation of sensitivity was realised preparing different dilutions of viral particles. The highest dilution determined by the PARVO IC test was 15 ng/ml.

The sensitivity value makes the PARVO IC test a valid screening test to be used both for diagnosis and for prevention as a routine control system, above all on new born puppies considering that the detecting value is shown in faeces in 2-4 days from infection.

The second study was carried out in correlation between the PARVO IC test, the ELISA technique and cellular culture and agglutination test. In this study 142 samples, from animals with and without symptoms, were studied (from Veterinary University of Madrid, Spain).

Results show that the sensitivity and specificity of the PARVO IC test is extremely high.

Technical De	tails Parvo IC
Available pack sizes:	1, 2, 5, 10 test kits
Specific for:	Dogs
Pathology:	Canine Parvovirus (CPV)
Method:	Immunochromatographic
Analyte:	Antigen
Capture molecules:	Monoclonal antibodies
Sample:	Faeces
Total run-time:	5 -10 minutes
Hands-on time:	1 minute
Result reading:	Visual
Additional materials:	All materials/instruments provided
Storage temperature:	Room temperature (18-25°C)
Shelf life:	12 months from production date
Instructions:	Multilingual





IC Test Kits DDAssist Rapid Diagnostic Decision Support

Go the extra mile in competitive times, personalising products to suit your customers' preferences with Agrolabo's new DDAssist test kit. This new multi-formula kit enables you to design products containing any combination of five single/2 test kits in an attractive product presentation.

Product	Code	No. Tests
Distompor	27278891	1 test
Distempento	27278802	2 tests
Ebrlichia IC	27279191	1 test
	27279102	2 tests
	27224791	1 test
TELVIC	27224702	2 tests
	27224391	1 test
	27224302	2 tests
	27224891	1 test
IELVIIVIC	27224802	2 tests
	27224061	1 test
FPVIC	27224062	2 tests
Ciardia IC	27238091	1 test
Gialula IC	27238002	2 tests
lo ortuger IC	27236091	1 test
nealtwonnic	27236002	2 tests
l aishmania IC	2n270191	1 test
Leisnmania IC	2n270102	2 tests
	27281091	1 test
Lymeic	27281002	2 tests
Donio IC	27224091	1 test
Parvoic	27224002	2 tests

biopronix





DDAssist Test Kit packaging containing five single/2 test kits



Rapid Test Dermakit For Cats, Dogs & Horses

A fast, simple and easy to perform test which enables the busy non-mycologist veterinarian to confirm the diagnosis of dermatophyte infections.

/	Technical	Details Dermakit
	Available pack sizes:	12 test kits
	Specific for:	Cat, Dogs, Horses
	Pathology:	Dermatophytosis
	Apperance:	Upright glass bottle with screw-cap lid
	Culture response:	E. floccosum, M. audouini, M.canis, M. gypseum, T. mentagrophytes, T.Rubrum, and T. Tonsurans fungi colony growth
	Sample:	Animal hair or skin scrapings from lesion boarder
	Hands-on time:	Approximately 3 minutes
	Incubation:	At room temperature
	Result reading: colour	Visual; pH colour marker changes medium
		from 72 hours indicating a positive result
	Additional materials:	Scapel or brush
	Storage temperature:	Room temperature or refrigerated
	Shelf life:	36 months when stored in a refrigerator,
		24 months when stored at room temperature
	Instructions:	English

Test Description:

DERMAKIT, developed by Agrolabo S.p.A., is a selective and differential medium for the detection and presumptive identification of dermatophytes from veterinary specimens. **DERMAKIT** is a Dermatophyte Selective Medium (DSM) based on the original Dermatophyte Test Medium (DTM) developed by Taplin et al. The new DSM formula developed by Agrolabo, reduces the time required to obtain results and increases the product's shelf life to 36 months. Furthermore, Agrolabo's fungus culture agar is more specific and is, therefore, less prone to common contamination. The medium can also be incubated at room temperature, without having to be placed in a dark area, or without having to take precautions so as to prevent dehydration of the media.



Dermatophytosis is the most common infectious skin disease of small animals. Puppies, kittens and debilitated pets are the most susceptible to dermatophytosis.



Dermatophytosis, generally referred to as tinea or ringworm, is a cutaneous infection caused by different genera of fungi collectively called the 'dermatophytes'. The main fungi responsible for dermatophytosis in domestic animals are Microsporum canis, Microsporum gypseum and Trichophyton mentagrophytes. These pathogenic fungi are found worldwide.

Dermatophytosis is a zoonotic skin disease. Children, the elderly and immunocompromised people are special at-risk populations, but anyone in frequent contact with infected pets risks contracting the disease. Dermatophytosis is in fact highly contagious.

Dermatophytes can be found on animals, on humans and in the environment in the form of hyphae and spores. Dermatophytes metabolise the keratine of skin, hair and claws, and initially invade the intrafollicular skin area.

Pets should be tested for dermatophytosis:

- when clinical signs compatible with the disease are apparent.
- when an animal has skin disease, in order to confirm, or eliminate, the diagnosis of a dermatophyte infection.
- when a pet owner develops skin disease and there is the possibility that the pet could be the source.
- during treatment for dermatophyte infections, in order to monitor therapy and to help prevent reinfection.
- as routine testing for, pets newly acquired from a breeding facility, cats that habitually go outside of the home, domestic animals that work' in close contact with humans.

Fast	A diagnostic test that provides the veterinarian with a simple, rapid and practical method for confirming the diagnosis of der- matophyte infections, so that patient care can be delivered rapidly.		
Simple	Containing an easy-to-interpret colour indicator that changes from yellow to red when der- matophyte fungi are present in the patient sample.		
Practical	Ready-to-use test. No prepara- tion required. Circa 3 minute hands-on time. Room tempera- ture storage.		
Reliable	Visual colour change indicator for easy and accurate results, providing greater confidence in diagnostic decisions. Positive re- sult evaluation in circa 72 hours.		
Quality	Protected against contaminants and enriched with specific nutri- ents that facilitate the growth of Dermatophytes		









RapidVet-H canine kits are the first commercially available in-house tests for blood typing dogs. This pratical and easy-to-use tests enables veterinarians to quickly determine if a dog is blood type DEA 1.1 positive or negative in any consulting room, or even under field conditions.

Available in several kit formats, 1, 5 or 20 tests, RapidVet-H canine kits provide qualitative, costeffective, ready to use diagnostics that can be trusted. All materials required for performing the test are including in the kits.

Dog Erythrocyte Antigen (DEA) is the internationally accepted canine blood group system. Among the 8 antigens identified on the surface of the canine erythrocytes, DEA 1.1 is the most antigenic and thus the most important.

Dogs that are **DEA 1.1 positive** can be considered to be **universal recipients** - that is, they can receive blood of any type without expectation of a life-threatening Hemolytic Transfusion Reaction ("HTR").

Dogs that are **DEA 1.1 negative** can be considered to be **universal donors**. Blood from DEA 1.1 positive dogs on the other hand, should never be transfused into DEA 1.1 negative dogs. The red cells transfused during the first transfusion will have a shortened life due to the formation of alloantibodies to the cells themselves and the animal will become sensitised to DEA 1.1 blood. In the event of a second such transfusion, life-threatening conditions will follow within hours. In addition, these alloantibodies will be present in colostrum and adversely affect the health of DEA 1.1 negative puppies.



RapidVet-H single test kit packaging

Why should dogs be blood typed?

• Good medical practice: blood typing dogs at their first physical examination provides valuable knowledge in advance of need.

• **Transfusions:** all canine transfusion donors and recipients should be typed for DEA 1.1, so as not to sensitise the recipient animal or decrease the life of the transfused red cells.

• **Transfusion recipients:** all recipient dogs that have been previously transfused must be typed for DEA 1.1, in order

to avoid life-threatening reactions in the recipient dog.

• Breeding: blood typing can provide useful information in choosing breeding partners. All

pregnant dogs should be blood typed and evaluated hematologically for alloantibodies and their puppies should be blood typed at birth.

• It's logical -- just as the owner's blood type is known and documented, so should the dog's blood type be known and documented. If a dog is valuable enough to register, it should certainly have a complete medical "passport", including its blood type.



RapidVet-H 5/20 test kit packaging





The RapidVet-H feline card is the first commercially available in-house test for accurately classifying Type A, Type B or Type AB blood groups in cats. This practical and easy-to-use tests enables veterinarians to quickly determine a cat's blood type in any consulting room, or even under field conditions, reducing the risks related to transfusions and hemolytic anemia.

Available in several kit formats, 1, 5 or 20 tests, RapidVet-H feline kits provide qualitative, costeffective, ready to use diagnostics that can be trusted. All materials required for performing the test are including in the kits.

RapidVet-H feline tests are based on an agglutination reaction that occurs when an erythrocyte containing either a type A, B, or AB antigen on its surface membrane, interacts with a lyophilised antiserum specific to the particular antigen.

Type B cats have high specific antibody titre of type A blood. Rapid-Vet-H (Feline) kit uses these antibodies to recognize type A blood. The antibody molecule links and agglutinates the specific antigen of type A blood.

Type A cats have low antibody titre of type B blood. The antiserum from type A cats cannot be used to develop a test sensitive to type B blood. Type B erythrocytes are characterized by Neu Ac2 G D3 form of neuraminic acid present in ganglioside and Neu Gc, present in type A erythrocytes, are not present. The specific link of this form with Lectin, Triticum Vulgaris is well known. The Rapid-Vet-H (Feline) kit uses lectin Triticum Vulgaris to show the presence of type B blood.

In both cases, antiserum lyophilized on the card are reconstituted and mixed with whole blood from the patient. All type A erythrocytes react with their specific antiserum causing agglutination: all type B erythrocytes react in a similar way; all type AB erythrocytes reacts with both antiserum and agglutination will occur in any case. Results may be visually read.

What are the risks of not blood typing cats?

Transfusion Risks

If cats are transfused, even once, with an incompatible blood type, a Hemolytic Transfusion Reaction ("HTR") will occur, resulting nearly always in death.

Mating Risks

Most of the kittens of an A(female)/B(male) mating will have A blood type. A high percentage of these kittens will often die suddenly after nursing in what is known as Fading Kitten Syndrome or Neonatal

Isoerythrolysis ("NI"). In mating with a B type Queen, where the Tom is carefully chosen (B type), no risks are involved. However, where the Tom and Queen have incompatible blood types, their A type kittens will probably die unless they are removed from the mother immediately at birth and surrogate nursed.

The conclusions are clear:

- All cats should be routinely blood typed.
- No cats should be mated before blood typing.
- All kittens of incompatible matings should be blood typed at birth so that surrogate nursing can be started where necessary and the kittens allowed to thrive.





The enzyme-linked immunosorbent assay (ELISA) is a common serological test for the presence of particular antigens or antibodies. Agrolabo manufacutures a series of direct ELISA kits, employing monoclonal antibodies to detect the presence of a particular antigen in a sample, and indirect ELISA kits, determining the presence of a specific antibody in a specimen such as serum.

Agrolabo's ELISA tests are highly sensitive and specific, designed specifically for screening large numbers of specimens at a time. Although some training is required to perform ELISA testing, Agrolabo's ELISA tests are practical and easy to perform. Additional equipment, such as a plate reader may be required.

Available ELISA test kits include:

Coronavirus Ab ELISA	Code	No. Wells
ELISA kit for the detection of	27259001	96 wells
antibodies to Coronavirus		
Distemper IgM ELISA	Code	No. Wells
ELISA kit for the detection of	27279062	96 wells
IgM antibodies to Distemper		
Distemper IgG ELISA	Code	No. Wells
ELISA kit for the detection of	27279052	96 wells
IgG antibodies to Distemper		
Ehrlichia canis Ab ELISA	Code	No. Wells
ELISA kit for the detection of	27279296	96 wells
antibodies to Ehrlichia canis		
FeLV Ag ELISA	Code	No. Wells
ELISA kit for the detection of	27224701	32 wells
FeLV antigen	27224732	96 wells
FeLV Anti GP70 Ab ELISA	Code	No. Wells
ELISA kit for the detection of	27224764	96 wells
Anti GP70 antibodies to FeLV		
FILARCHECK ELISA	Code	No. Wells
ELISA kit or the detection of	27236348	48 wells
Dirofilaria immitis antigen	27236396	96 wells
FIV Ab ELISA	Code	No. Wells
ELISA kit for the detection of	27224301	32 wells
antibodies to FIV	27224332	96 wells
Leishmania ELISA	Code	No. Wells
ELISA kit for the detection of	27270101	96 wells
antibodies to Leishmania		
Parvo Ab ELISA	Code	No. Wells
ELISA kit for the detection of	27224096	96 wells
antibodies to Parvovirus		
Parvo Ag ELISA	Code	No. Wells
ELISA kit for the detection of	27224032	96 wells
Parvovirus antigen		





FLUO Tests Immunofluorescence Slides & Kits For Cats, Dogs and Horses

Immunofluorescence was first used more than fifty years ago and is now a common laboratory technique used to examine individual proteins that are in a preserved cell. It can determine both the location and relative quantity of a specific protein. Antibodies are used that specifically recognize and bind to the protein of interest. These antibodies contain a fluorescent tag that absorbs light and emits it at a different wavelength. The fluorescence is then analyzed under a fluorescent microscope and the resulting signal corresponds to the protein's location.

Antibody detection:

Agrolabo's immunofluorescence kits detect Immunoglobulin G (IgG), the most abundant immunoglobulin which appear circa 40 days following exposure to antigen. **Packaging:**

We supply 10 slide kits (including reagents), packages of 10 slides (without reagents) and packages of 50 slides (without reagents). Each slides contains 10 or 12 wells, depending on the pathology. The slides employed for test production have been specifically chosen for their quality and homogeneity. As part of our quality control process special attention is paid to the distribution of the wells and their shaping.

Just as we are able to supply slides separately, we can also supply reagents separately.

The slides are not species specific and thus for those pathologies that are diffused in more than one animal species, different reagents can be supplied according to the species.

Fluorescence:

Our slides label positive samples with green fluorescent dyes and negative samples with red fluorescent dyes. This combination of colours facilitates reading as the two colours are very distinct.

Please see overleaf for a list of available Fluo slides and kits.



FLUO TESTS for cats, dogs and horses

Immunofluorescence slides and kits



Bartonella henselae Fluo	Code	Packaging
12 well immunofluorescence slides for the detection of IgG antibodies	27266001	10 slide kit
	27266010	10 slides
to Bartonella henselae in cat serum	27266050	50 slides
Calicivirus Fluo	Code	Packaging
10 well immunofluorescence slides	27262901	10 slide kit
for the detection of IgG antibodies	27262910	10 slides
to calicivirus in cat serum	27262950	50 slides
Chlamydophila felis Fluo	Code	Packaging
12 well immunofluorescence slides	27264501	10 slide kit
for the detection of IgG antibodies	27264510	10 slides
to Chlamydophila felis in cat serum	27264550	50 slides
Feline Coronavirus Fluo	Code	Packaging
10 well immunofluorescence slides	27264401	10 slide kit
for the detection of IgG antibodies	27264410	10 slides
to feline Coronavirus in cat serum	27264450	50 slides
Feline Herpesvirus Fluo	Code	Packaging
10 well immunofluorescence slides	27262801	10 slide kit
for the detection of IgG antibodies	27262810	10 slides
to Feline Herpes virus in cat serum	27262850	50 slides
Panleukopenia Fluo	Code	Packaging
10 well immunofluorescence slides	27263201	10 slide kit
for the detection of IgG antibodies	27263210	10 slides
to Panleukopenia in cat serum	27263250	50 slides
Toxoplasma gondii F Fluo	Code	Packaging
10 well immunofluorescence slides for the detection of IgG antibodies	27265101	10 slide kit
	27265100	10 slides
for the detection of ige diffeodies		



Anaplasma ph. E Fluo

Babesia caballi Fluo

for the detection of IgG antibodies to Babesia caballi in horse serum

Borrelia burgdorferi Fluo 10 well immunofluorescence slides

serum

ANA HEp2 Fluo	Code	Packaging
10 well immunofluorescence slides	27265501	10 slide kit
tor the detection of IgG antibodies	27265510	10 slides
serum	27265550	50 slides
Anaplasma ph. C Fluo	Code	Packaging
12 well immunofluorescence slides	27265801	10 slide kit
tor the detection of IgG antibodies	27265810	10 slides
serum	27265850	50 slides
Babesia canis Fluo	Code	Packaging
10 well immunofluorescence slides	27263601	10 slide kit
for the detection of IgG antibodies	27263610	10 slides
to Babesia canis in dog serum	27263650	50 slides
Borrelia burgdorferi C Fluo	Code	Packaging
10 well immunofluorescence slides	27262101	10 slide kit
for the detection of IgG antibodies to Borrelia burgdorferi in dog serum	27262110	10 slides
	27262150	50 slides
Brucella canis Fluo	Code	Packaging
12 well immunofluorescence slides	27262301	10 slide kit
for the detection of IgG antibodies	27262310	10 slides
to Brucella canis in dog serum	27262350	50 slides
Canine Herpesvirus Fluo	Code	Packaging
10 well immunofluorescence slides	27262601	10 slide kit
tor the detection of IgG antibodies	27262610	10 slide
serum	27262650	50 slides
Distemper Fluo	Code	Packaging
12 well immunofluorescence slides	27263101	10 slide kit
for the detection of IgG antibodies	27263110	10 slides
to Distemper virus in dog serum	27263150	50 slides

Ehrlichia canis Fluo	Code	Packaging
12 well immunofluorescence slides	27262401	10 slide kit
for the detection of IgG antibodies	27262410	10 slides
to Ehrlichia canis in dog serum	27262450	50 slides
Hepatitis contagiosa Fluo	Code	Packaging
10 well immunofluorescence slides	27263001	10 slide kit
tor the detection of IgG antibodies	27263010	10 slides
serum	27263050	50 slides
Leishmania Fluo	Code	Packaging
10 well immunofluorescence slides	27262001	10 slide kit
for the detection of IgG antibodies	27262010	10 slides
serum	27262050	50 slides
Leptospira spp. Fluo	Code	Packaging
12 well immunofluorescence slides	27266201	10 slide kit
for the detection of IgG antibodies	27266210	10 slides
to Leptospira spp. In dog serum	27266250	50 slides
Neospora Fluo	Code	Packaging
10 well immunofluorescence slides	27263401	10 slide kit
for the detection of IgG antibodies	27263410	10 slides
to Neospora caninum in dog serum	27263450	50 slides
Parvovirus Fluo	Code	Packaging
10 well immunofluorescence slides	27263301	10 slide kit
for the detection of IgG antibodies	27263310	10 slides
to Parvovirus in dog serum	27263350	50 slides
Rickettsia conorii C Fluo	Code	Packaging
10 well immunofluorescence slides	27266501	10 slide kit
tor the detection of IgG antibodies	27266510	10 slides
serum	27266550	50 slides
Rickettsia rickettsii Fluo	Code	Packaging
12 well immunofluorescence slides	27264801	10 slide kit
for the detection of IgG antibodies	27264810	10 slides
to Rickettsia rickettsii in dog serum	27264850	50 slides
Toxoplasma gondii C Fluo	Code	Packaging
10 well immunofluorescence slides for the detection of IgG antibodies to Toxoplasma gondii in dog serum	27266801	10 slide kit
	27266810	10 slides
	27266850	50 slides



27263810

27263850

27262201

Code

10 slides

50 slides Packaging

10 slide kit

	27202201	TO SHOO KIL
tor the detection of IgG antibodies to Borrelia burgdorferi in horse serum	27262210	10 slides
	27262250	50 slides
Herpesvirus ENV-1/ENV-4 Fluo	Code	Packaging
10 well immunofluorescence slides for the detection of IgG antibodies to equine Herpes virus in horse serum	27262701	10 slide kit
	27262710	10 slides
	27262750	50 slides
Theleria equi Fluo	Code	Packaging
12 well immunofluorescence slides	27264001	10 slide kit
for the detection of IgG antibodies to Theleria equi in horse serum	27264010	10 slides
	27263660	50 slides





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Agrolabo has authorised distributors worldwide. We are constantly looking for new partners to expand this network. If you already operate in the veterinary industry, or are looking to expand into this sector, will be pleased to discuss potential collaboration with you. Please contact our International Marketing Office (marketing@agrolabo.it) for further details.

Minimum Order Quantities

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Subject to minimum purchase quantities, our products and packaging can be personalised to your company.

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Shipping Information

Our products are despatched ex-works Scarmagno and shipped by courier. Shipment is generally the distributor's responsibility, however, Agrolabo can assist the distributor in organising shipment. Extra expenses for handling, packaging will not be added added. All orders are despatched within 5-10 working days upon receiving the order. All orders are shipped on Mondays and/or Wednesdays.

Payment

We accept credit card (MasterCard or VISA) or advanced wire transfer payment. Other conditions can be considered once a credit history has been created.

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- Accounting information: amministrazione@agrolabo.it
- Special Analysis Service information: allergia@agrolabo.it



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