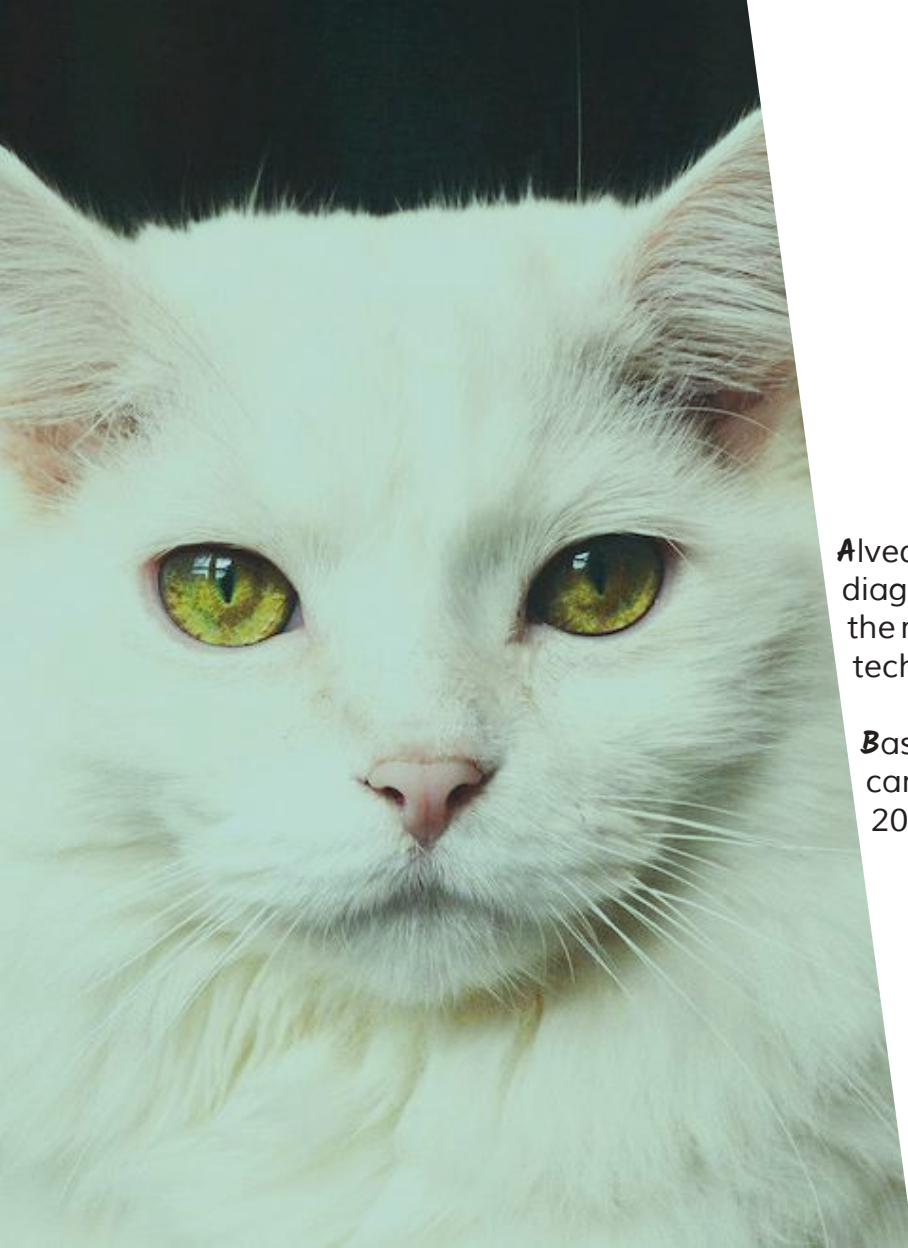


Alvedia
Alice Veterinary Diagnostic





Alvedia is a company specialized in the field of veterinary diagnostics, providing veterinary health professionals with the most advanced and innovative immunochromatographic technology.

Based in Lyon, France, Alvedia provides a full range of canine, feline, swine & equine diagnostics products since 2004.

DISCOVER OUR BLOOD TYPING IMMUNOCHROMATOGRAPHIC TECHNOLOGY

Importance of blood typing

The determination of blood type is an essential process that ensures animals will benefit from transfusion support. Nowadays, a dog or a cat has a significant probability of being transfused once or more in their lifetime. Basic blood typing is essential to perform these first and subsequent transfusions as safely as possible and also to make the best use of the donated blood.

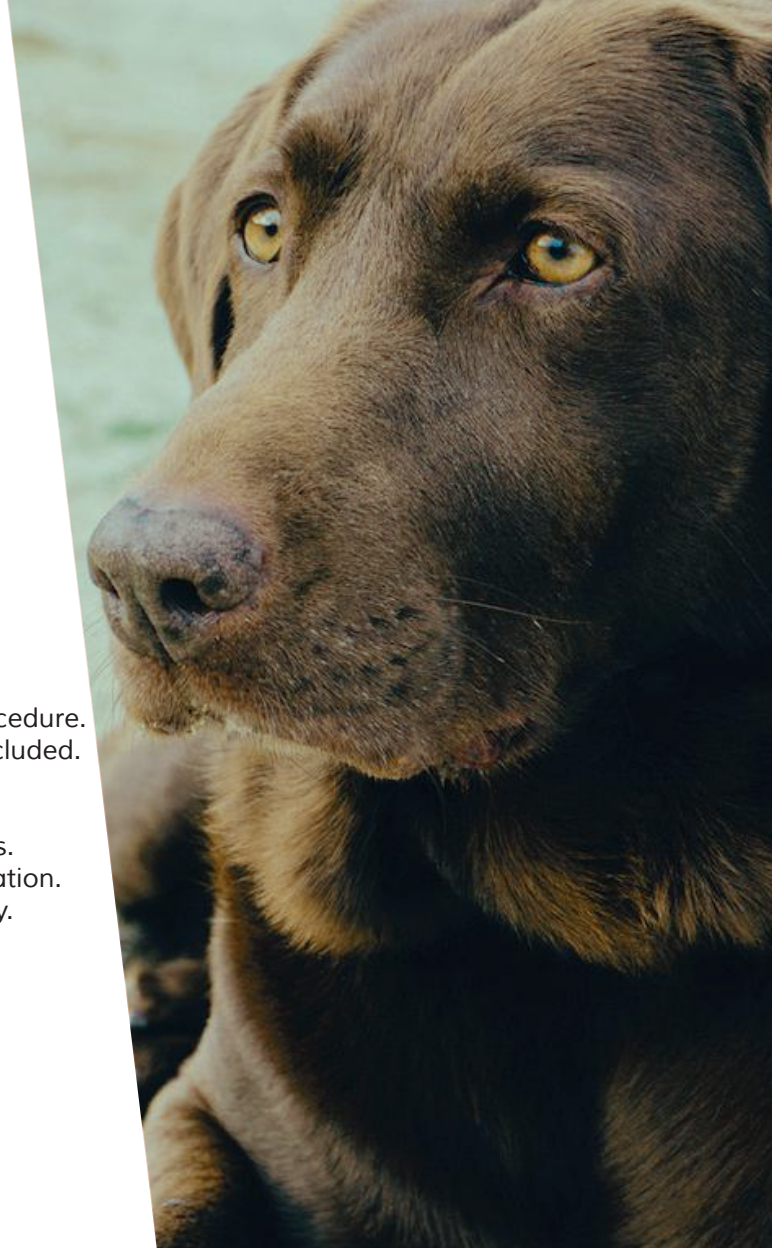
Our technology

The system is based on the migration of red blood cells on a membrane. Monoclonal antibodies specific to each antigen (DEA 1 in dogs, A/B in cats, A/O in pigs and Ca in horses) have been incorporated on the membrane. These antibodies will retain positive antigens (DEA 1 in dogs, A/B in cats, A in pigs and Ca in horses).

A positive result is characterized by the presence of 1 or 2 red lines in front of the A and/or B for the feline QuickTest or a red line in front of DEA 1 for the canine QuickTest. A positive result is characterized by the presence of a red line in front of the Ca line for the equine QuickTest. The control line (C) must be positive; this signifies that the test has run successfully.

Benefits

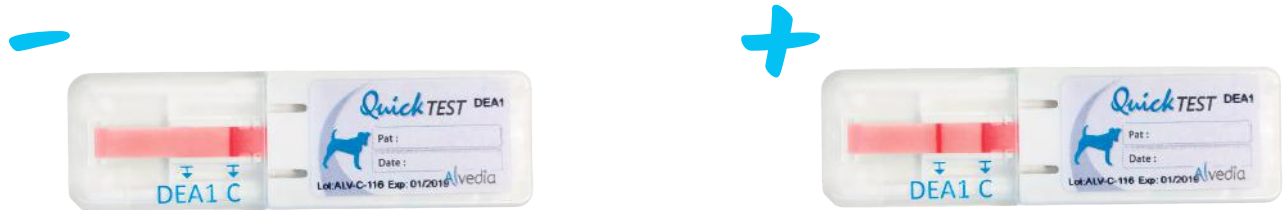
- **2** minutes procedure.
- **All** material included.
- **Archivable**.
- **Easy** handling.
- **Reliable** results.
- **Easy** interpretation.
- **High** specificity.
- **Snap** result.



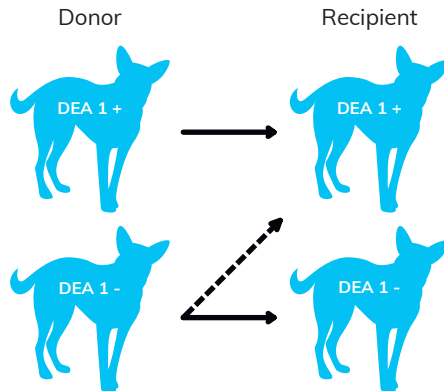


QuickTest BT

In dogs, the determination of DEA 1 antigen is strongly recommended before any blood transfusion to avoid a potent alloantibody response against this antigen and to avoid an acute haemolytic transfusion reaction.



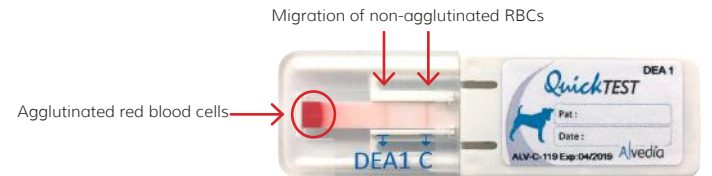
DEA 1 BLOOD GROUP COMPATIBILITY



RELIABLE IN CASE OF AUTO-AGGLUTINATION

For our entire product range

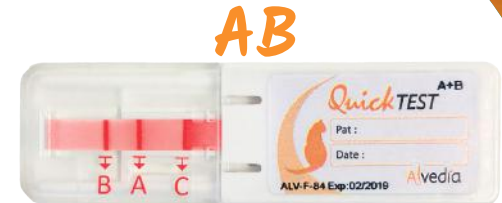
Thanks to our specific membrane technology, the agglutinated red blood cells (RBCs) will be retained at the bottom of the membrane whereas non agglutinated RBCs will continue to migrate to the top of the membrane.



ALSO AVAILABLE IN **LAB TEST** VERSION

QuickTest BT

In cats, the presence of naturally occurring alloantibodies in type A and in type B cats requires that blood typing must be performed prior to blood transfusion to avoid an acute haemolytic transfusion reaction, and in breedings to prevent neonatal isoerythrolysis. Blood can be taken directly from the umbilical cord for the blood typing test.



RELIABLE IN CASE OF LOW PCV (ANEMIA)

For our entire product range

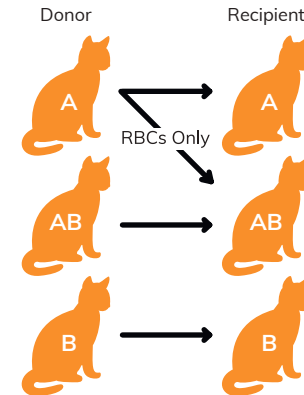
Thanks to the sensitivity of our specific monoclonal antibodies, even with a low pcv a reliable blood type can be obtained.



10% PCV

5% PCV

A/B/AB BLOOD GROUP COMPATIBILITIES



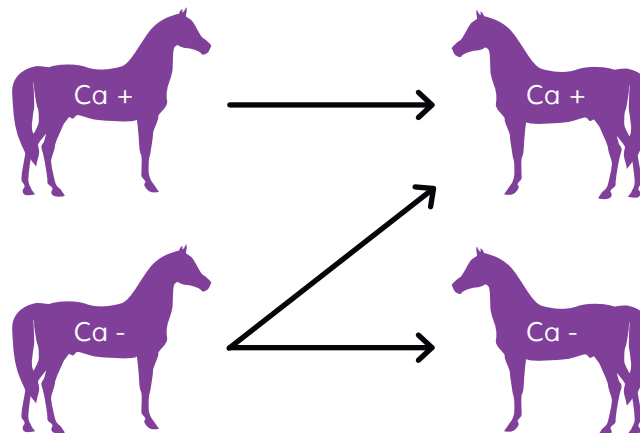
ALSO AVAILABLE IN LAB TEST VERSION

QuickTest BT

In horses, there are 7 main blood group systems (A,C,D,K,P,Q,U) with greater than 30 red blood cell factors. Of these, Ca seems to be one of the most immunogenic (causing allo-immunization) antigens.



Ca BLOOD GROUP COMPATIBILITY



DISCOVER OUR CROSS MATCHING IMMUNOCHROMATOGRAPHIC TECHNOLOGY

Importance of crossmatching

Dogs have many blood types on the surface of their red blood cells and with the absence of test kits for all of these blood groups (except for DEA 1), it is mandatory to perform a reliable cross-match test before any transfusion.

Crossmatching aims to establish a serological compatibility between the recipient and the donor. The classical technology uses an agglutination reaction to detect alloantibodies produced after a previous transfusion.

Our technology

Our canine crossmatch test (major and/or minor) is based on an immuno-chromatographic technology that will detect the presence of immunoglobulins (IgG & IgM) and/or C3 components binding to the red blood cells (RBCs) surface.

Benefits

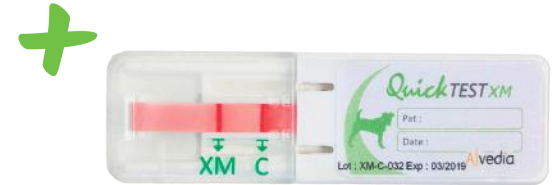
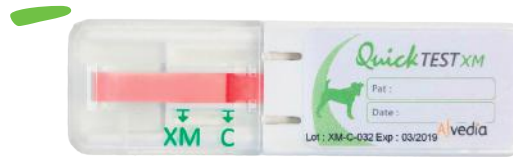
- **20** minutes procedure.
- **All** material included.
- **Time** saving.
- **Easy** handling.
- **Reliable** results.
- **Easy** interpretation.



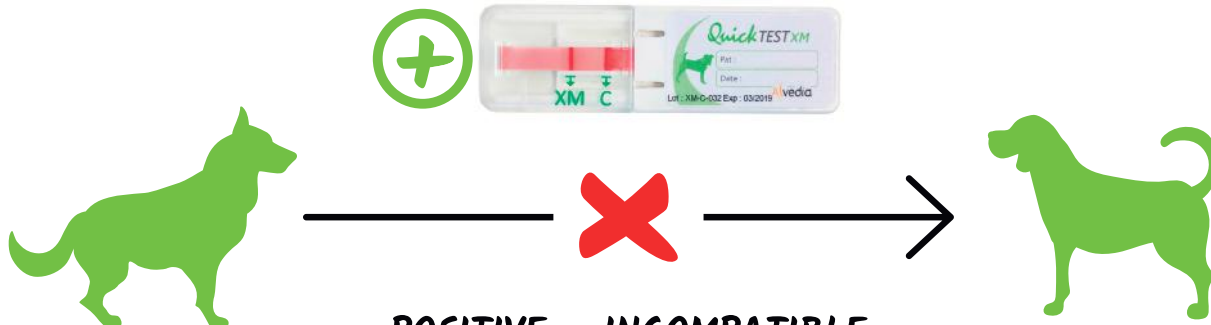


QuickTest XM

Our canine major crossmatch test will allow you to pick up incompatibilities across all canine blood groups (DEA 1, 3, 4, 5, 7, DAL...).



A positive result between donor RBCs and recipient serum / plasma indicates the presence of alloantibodies in pre-transfusion compatibility testing.



**POSITIVE = INCOMPATIBLE
DO NOT TRANSFUSE**

A negative result between donor RBCs and recipient serum / plasma indicates the absence of alloantibodies in pre-transfusion compatibility testing.



ALSO AVAILABLE IN LAB TEST VERSION



DISCOVER OUR DIRECT ANTIGLOBULIN TEST IMMUNOCHROMATOGRAPHIC TECHNOLOGY

Benefits

- **20** minutes procedure.
- **A**ll material included.
- **T**ime saving.
- **E**asy handling.
- **R**eliable results.
- **E**asy interpretation.
- **S**nap result.

Importance of DAT

A Coombs Test or Direct Antiglobulin Test (DAT) is performed to detect the presence of antibodies against red blood cells. It is used in the diagnosis of Immune-Mediated Hemolytic Anemia (IMHA). IMHA is the most common cause of hemolytic anemia in dogs.

Our technology

The classical technology uses incubation of washed red blood cells suspension with antisera that causes agglutination.



Our immuno-chromatographic technology will detect the presence of immunoglobulin (IgG & IgM) and/or C3 components binding to the RBC surface. A positive result indicates an in vivo sensitization and can thus be used to indicate the presence of auto-immune antibodies.

QuickTest DAT

Our canine Direct Antiglobulin Test (DAT) aims to detect the presence of immunoglobulins and/or C3 components on the surface of patient's red blood cells (RBCs).



CLINICAL DAT INFORMATION

CLINICAL CASE 1	CLINICAL CASE 2
<p>Name of the patient : Vanda Symptoms : Weakness, Lethargy, Pale Mucous membranes, Anorexia Biology : Anemia (PCV: 6,5%, Hb: 4,4g/L) DAT : POSITIVE</p> 	<p>Name of the patient : Benji Symptoms : Weakness, Lethargy, Small haematomas, Haematuria Biology : Anemia (PCV: 13,7%, Hb: 4,5g/L) DAT : NEGATIVE</p> 
Cause : IMHA	Cause : Haemostasis disorder.

ALSO AVAILABLE IN LAB TEST VERSION



THEY ARE TALKING ABOUT US.

«A Ca typing STRIP exhibited **100% sensivity and specificity** for the 35 Ca+ and 3 Ca- horses tested.»

Luethy D, et al. - J Vet Intern Med 2016 -

«**Strip methods are novel and promising** simple in-clinic screening tools for IMHA in dogs.»

Caviezel L.L, et al. - J Vet Intern Med 2014 -

«Twenty dogs were DEA 1-, whereas 46 dogs were weakly to strongly DEA 1+. Antigen quantification revealed **excellent correlation between strip and flow colorimetry**.»

Acierno M.M, et al. - J Vet Intern Med 2014; 28:592-598 -

«The IC technique is an accurate assay for the identification of A, B and AB blood types in anemic and nonanemic feline blood. It has a **higher sensitivity and specificity** than the CA test, and can be used in samples stored with common anticoagulants or preservative solutions used in feline transfusion medicine.»

Spada E, et al. - Journal of Veterinary Emergency and Critical Care 00(0) 2015, pp1-5 -

«In the presence of persistent autoagglutination, dog erythrocyte antigen (DEA) 1.1 typing was not possible, except with the **immunochromatographic** cartridge method.»

Seth M, et al. - AJVR, Vol 73, No. 2, February 2012 -

«The antiglobulin-enhanced immunochromatographic strip kit as well as the antiglobulin-enhanced gel column technique are **practical tests for cross-matching in the clinic and laboratory**, respectively, and identified alloantibodies on RBCs of some transfused dogs.»

Goy-Thollot I, et al. - J Vet Intern Med 2017 -





NAME	CODE	PACKAGING
QuickTest BT		
QuickTest BT Canine	QT-BT-C	1 individual test
LabTest BT Canine	LT-BT-C	20 tests/tube
QuickTest BT		
QuickTest BT Feline	QT-BT-F	1 individual test
LabTest BT Feline	LT-BT-F	20 tests/tube
QuickTest BT		
QuickTest BT Equine	QT-Ca-E	1 individual test
QuickTest XM		
QuickTest XM Canine	QT-XM-C	1 individual test
LabTest XM Canine	LT-XM-C	5 tests/tube
QuickTest DAT		
QuickTest DAT Canine	QT-DAT-C	1 individual test
LabTest DAT Canine	LT-DAT-C	10 tests/tube

HOW TO CONTACT US



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