



EmMa.Test

Feline Emergency Matching Test

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ALL IN ONE XM TEST

Alvedia is proud to introduce our NEW EMMA TEST

The first Feline XM Test that combines high technology and innovative packaging for an easy to use procedure testing.

Our new Feline Crossmatching Test (XM) will allow you to perform MAJOR and MINOR XM at the same time. This test will also detect AB blood groups for both donor and recipient which represents a double checking system.

The Feline XM Test is useful before ANY blood transfusion (even the first transfusion). This XM Test will allow you to pick up incompatibilities across all feline blood groups: A, B, AB and other systems (example MIK antigen).

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Our Technology

The NEW Feline XM Test provides 2 Immuno-chromatography strips:

- 1 STRIP for **MAJOR XM** (Donor RBC + Recipient Plasma/serum)
- 1 STRIP for **MINOR XM** (Recipient RBC + Donor Plasma/serum)

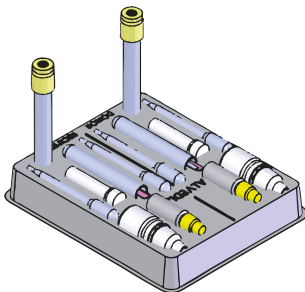
On each strip, we have incorporated a specific Feline anti-globulin reagent that will detect the presence of immunoglobulins (IgG & IgM) and/or C3 components binding to the red blood cells surface. In pre-transfusion compatibility testing, a positive XM result between donor and recipient will indicate the presence of alloantibodies.

These same strips will also give you the blood groups of both donor and recipient

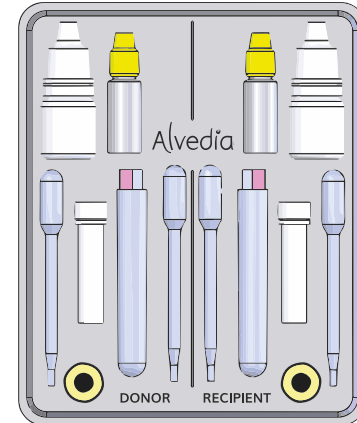
- The **MAJOR XM** strip will allow to type the DONOR blood (because you are using the DONOR RBCs)
- The **MINOR XM** strip will allow to type the RECIPIENT blood (because you are using the RECIPIENT RBCs)

On each strip, we have incorporated 2 specific monoclonal antibodies: Anti-A antibody and Anti-B antibody that will retain positive antigens to give you a reliable blood typing.

The innovative packaging is based on a bench-top workstation for facilitating the test procedure. All material is provided in an individual packaging. The test procedure can be done in 20 minutes. Results can be interpreted immediately by all operators. *The test requires a centrifuge for the washing procedure only.*



EmMa Test bench-top workstation



EmMa Test : Individual packaging with all material provided

Validation study *

Our NEW Feline XM Test has been validated on a total of 231 cats (216 A blood type cats, 12 B blood type cats and 3 AB blood type cats)

It has been performed a total of 1232 Feline XM Tests using the EmMa Test compared with the classical agglutination technology.

The **EmMa test** will show more incompatibilities than the agglutination technology due to the fact that our technology is more sensitive with the use of a Feline Anti-globulin. It will detect low affinity or low titer allo-antibodies.

In rare cases of positive XM only, the agglutination is too strong and blood typing will not show up on the EmMa Test (approximately 2% of the results). Blood typing will have to be done separately but that confirms an incompatible XM.

* Ask us to receive the complete file of validation data.