

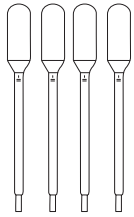


EmMa Test Feline

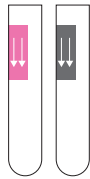
MAJOR XM + MINOR XM + BLOOD TYPING A+B PROCEDURE



Material provided



4 pipettes



2 collection tubes for plasma/serum



2 EmMa membranes



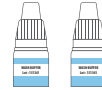
2 blood collector strips



1 blue top buffer



2 test tubes (1,5ml)



2 wash buffers

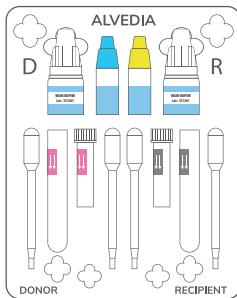


1 yellow top buffer

MAJOR = Donor's Red Blood Cells (RBC) + Recipient's Plasma/serum. This procedure will allow you to perform Donor Blood Typing.
MINOR = Recipient's RBC + Donor's Plasma/serum. This procedure will allow you to perform Recipient Blood Typing.

PART A : PREPARATION OF BLOOD SAMPLES

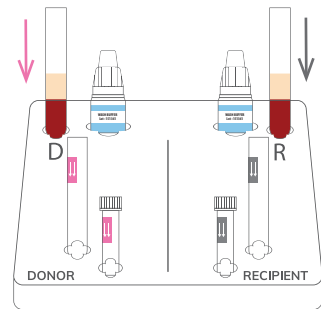
Centrifuge **DONOR** and **RECIPIENT** blood tubes **5 minutes at 1000g** to obtain packed red blood cells (pRBCs) and plasma.



Place vertically **donor's** and **recipient's** blood tubes into their dedicated holes.



Place vertically the tubes and wash buffers into their dedicated holes.



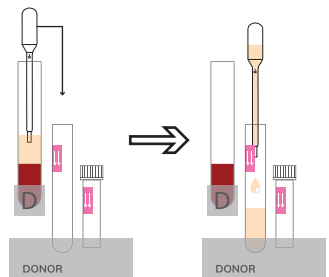
PART B : TEST PROCEDURE

1

Take a pipette and transfer the entire plasma from the donor's tube to the collection tube.

Discard the pipette.

(Keep your original donor's tube containing pRBC)

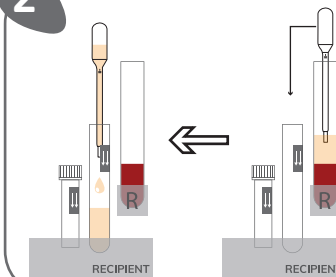


2

Take a pipette and transfer the entire plasma from the recipient's tube to the collection tube.

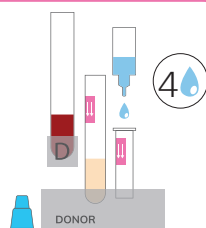
Discard the pipette.

(Keep your original recipient's tube containing pRBC)



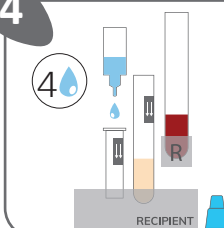
3

Add 4 drops of the blue top buffer into the **PINK** test tube.



4

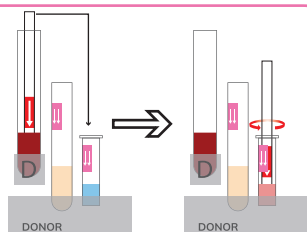
Add 4 drops of the blue top buffer into the **GREY** test tube.



5

Dip the extremity of the blood collector strip into pRBC **DONOR's** tube (10µL of pRBC).

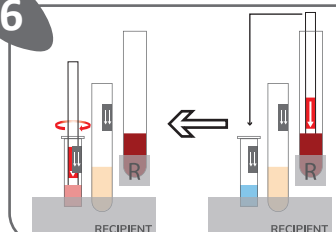
Mix the extremity of the blood collector strip into the **PINK** test tube during 7 seconds.



6

Dip the extremity of the blood collector strip into pRBC **RECIPIENT's** tube (10µL of pRBC).

Mix the extremity of the blood collector strip into the **GREY** test tube during 7 seconds.



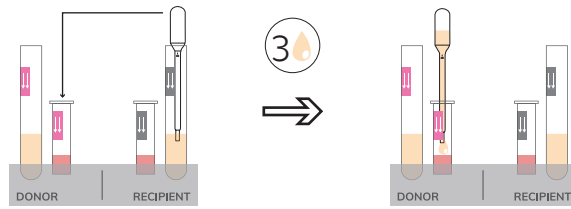
7

Take a pipette and collect the recipient's plasma from the GREY collection tube.

Add 3 drops of plasma into the PINK tube containing pRBC suspension.

Mix using the pipette.

Discard the pipette.



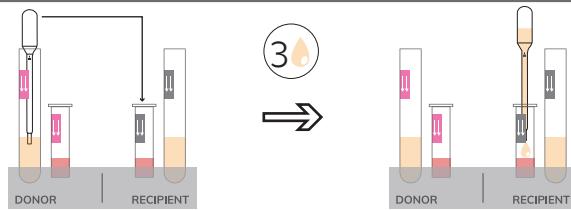
8

Take a pipette and collect the donor's plasma from the PINK collection tube.

Add 3 drops of plasma/serum into the GREY tube containing pRBC suspension.

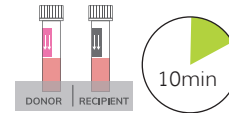
Mix using the pipette.

Discard the pipette.



PART C : INCUBATION

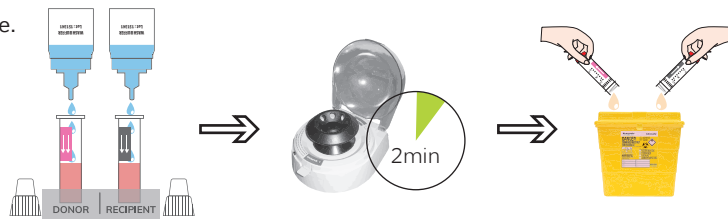
Incubate both test tubes at room temperature during 10 minutes.



Donor RBC + Recipient plasma Recipient RBC + Donor plasma

PART D : WASHING PROCEDURE

Take the wash buffers : 1 for each test tube.
Fill completely both tubes.
Mix gently.
Centrifuge both tubes 2 minutes at 1000g.
Discard the supernatant and keep only pRBCs pellet.



REPEAT X3

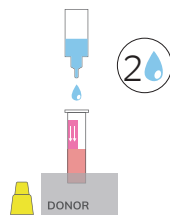
**WARNING :
RESUSPEND
SUSPENSION AT
EACH WASHING**

PART E : MIGRATION AND INTERPRETATION

1

Add 2 drops of yellow top buffer on the pellet (small PINK tube).

Mix several times.



2

Add 2 drops of yellow top buffer on the pellet (small GREY tube).

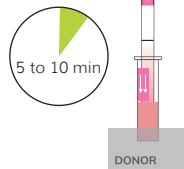
Mix several times.



3

Insert the PINK EmMa membrane in the small PINK tube.

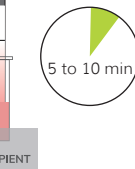
Wait maximum 10 minutes to read the result.



4

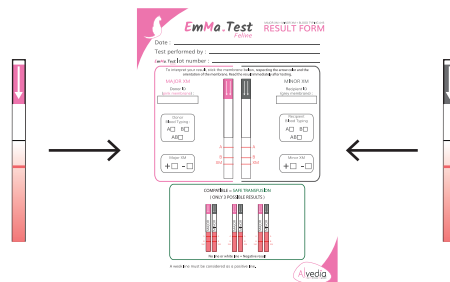
Insert the GREY EmMa membrane in the small GREY tube.

Wait maximum 10 minutes to read the result.



5

Stick both membranes on the result form respecting the arrow colors. You can now interpret blood typing and XM results.



Troubleshooting:
Please contact the
Scientific Service Laboratory
contact@alvedia.com
+33(0)478 380 239