



EmMa.Test

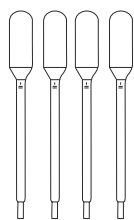
Feline

MAJOR XM + MINOR XM + BLOOD TYPING A+B

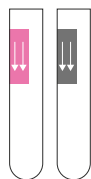
PROCEDURE

Estimated time : 30 minutes

Material provided



4 pipettes



2 collection tubes for plasma/serum



2 EmMa membranes



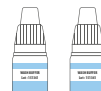
2 blood collector strips



1 blue top buffer



2 test tubes (1,5ml)



2 wash buffers



1 yellow top buffer

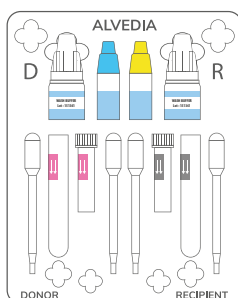
MAJOR = Donor's Red Blood Cells (RBC) + Recipient's Plasma/serum. This procedure will allow you to perform Donor Blood Typing.

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

SEPARATION OF PLASMA AND RBC FROM BLOOD SAMPLES

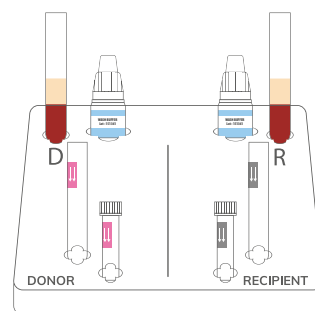
Centrifuge **DONOR** and **RECIPIENT** blood tubes 5 minutes at 1000g

1



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

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

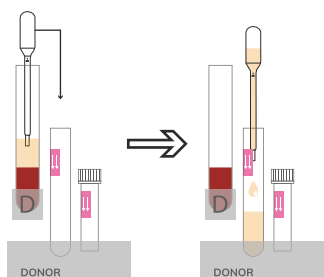


Take 1 pipette.

Transfer the entire serum/plasma from the donor's tube to the collection tube.

Discard the pipette.

(Keep your original donor's tube containing pRBC)

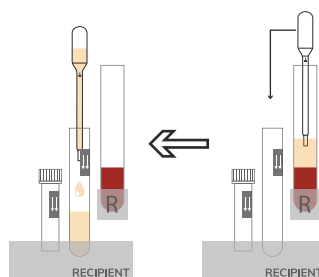


Take 1 pipette.

Transfer the entire serum/plasma from the recipient's tube to the collection tube.

Discard the pipette.

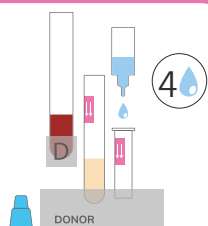
(Keep your original recipient's tube containing pRBC)



TEST PROCEDURE

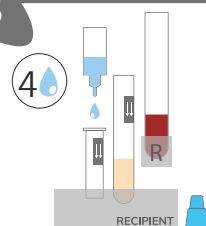
2

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



3

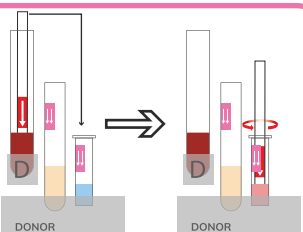
Add 4 drops of the blue top buffer into the **GREY** test tube.



4

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

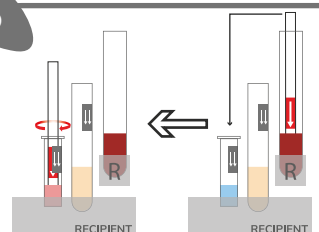
Mix the extremity of the blood collector strip into the **PINK** test tube during 7 seconds.



5

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.



6

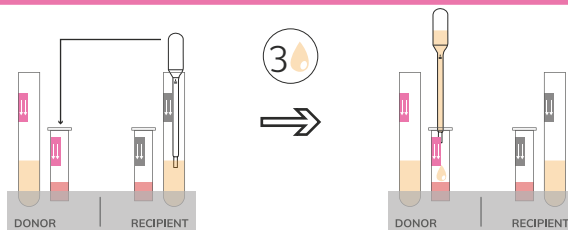
Take 1 pipette.

Collect the recipient's plasma/serum from the **GREY** collection tube.

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

Mix gently using the pipette.

Discard the pipette.



7

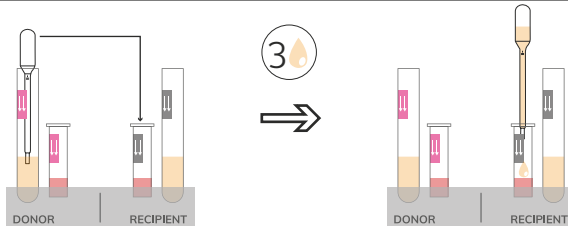
Take 1 pipette.

Collect the donor's plasma/serum from the **PINK** collection tube.

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

Mix gently using the pipette.

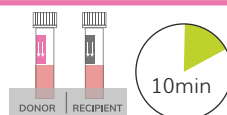
Discard the pipette.



INCUBATION

8

Incubate both test tubes at room temperature during 10 minutes.



Donor RBC + Recipient plasma/serum Recipient RBC + Donor plasma/serum

WASHING PROCEDURE

9

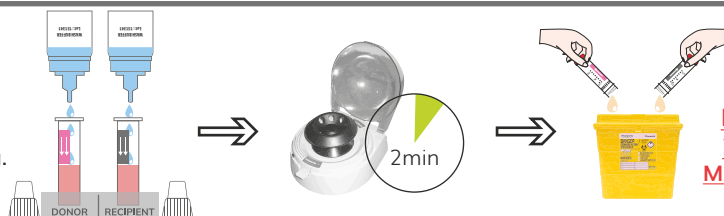
Take the wash buffers : 1 for each test tube.

Fill completely both tubes.

Mix gently.

Centrifuge both tubes 2 minutes at 1000g.

Discard the supernatant and keep only pRBC.

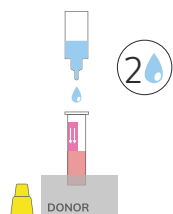


MIGRATION AND INTERPRETATION

10

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

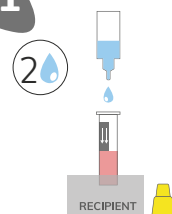
Mix several times.



11

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

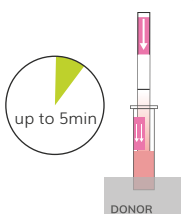
Mix several times.



12

Insert the **PINK** EmMa membrane in the small **PINK** tube.

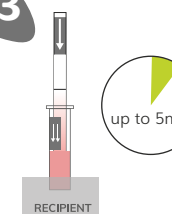
Wait maximum 5 minutes to read the result.



13

Insert the **GREY** EmMa membrane in the small **GREY** tube.

Wait maximum 5 minutes to read the result.



14

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

