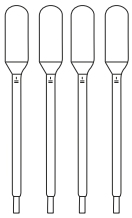
EmMa.Test Feline

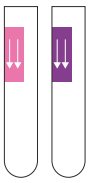
MAJOR XM + MINOR XM + BLOOD TYPING A+B

PROCEDURE

Estimated time : 20 minutes

Material provided


4 pipettes


2 test tubes for plasma/serum


2 EmMa membranes


2 blood collector strips


1 white top buffer


1 yellow top buffer


2 small test tubes (1,5ml)

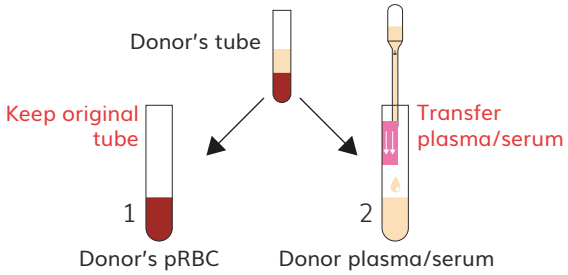
2 wash buffers

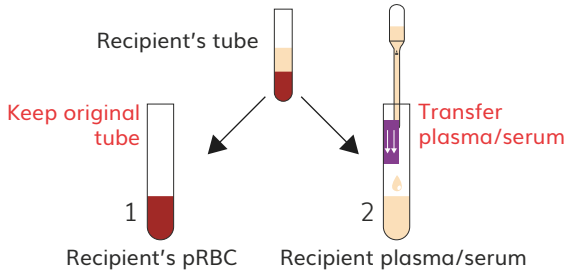
MAJOR = Donor's RBC + Recipient's Plasma/serum. This procedure will allow you to perform Donor Blood Typing.

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

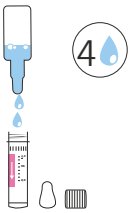
PREPARATION OF BLOOD SAMPLES

Centrifuge blood tubes at 1000g in order to separate Plasma and RBC

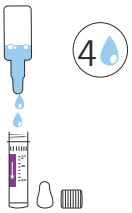




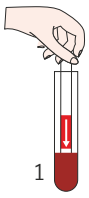
TEST PROCEDURE



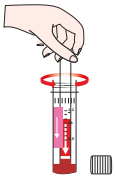
Step 1 : Take the PINK small test tube and add 3 drops of white buffer.



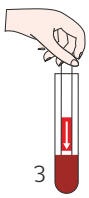
Step 2 : Take the PURPLE small test tube and add 3 drops of white buffer.



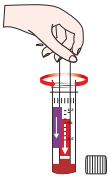
Step 3 : Dip the extremity of the blood collector strip into pRBC DONOR's tube (1) (=10µl of pRBC).



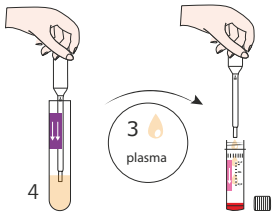
Step 4 : Mix the extremity of the blood collector strip into the small PINK test tube during 7 seconds.



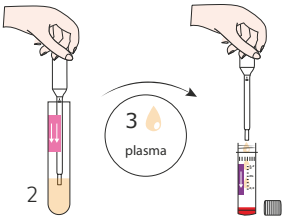
Step 5 : Dip the extremity of the blood collector strip into pRBC RECIPIENT's tube (3) (=10µl of pRBC).



Step 6 : Mix the extremity of the blood collector strip into the small PURPLE test tube during 7 seconds.



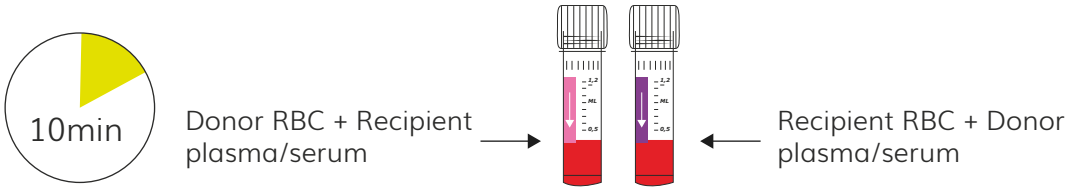
Step 7 : Using the pipette, collect the recipient's plasma/serum from the PURPLE test tube (4). Then add 3 drops of plasma/serum into the PINK tube containing pRBC suspension.



Step 8 : Using the pipette, collect the donor's plasma/serum from the PINK test tube (2). Then add 3 drops of plasma/serum into the PURPLE tube containing pRBC suspension.

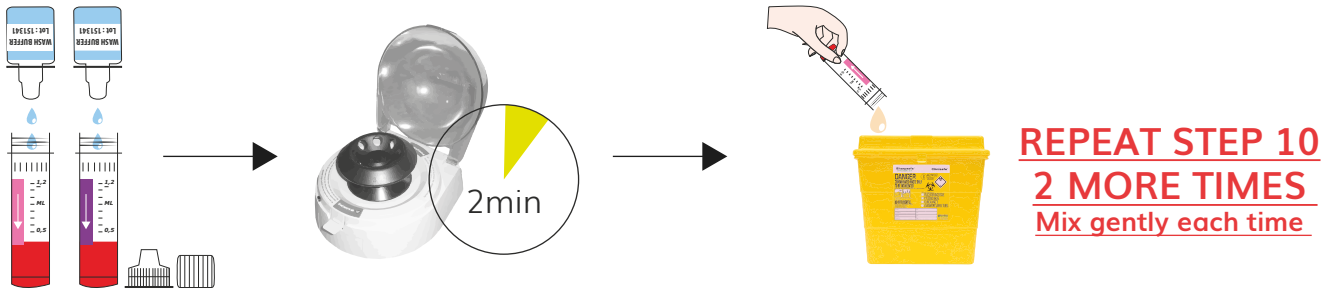
INCUBATION

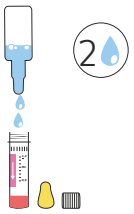
Step 9 : Mix gently the suspension and incubate both small test tubes at room temperature during 10 minutes.



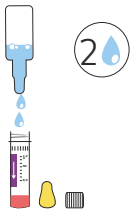
WASHING PROCEDURE

Step 10 : Fill completely both tubes using the wash buffers, then mix gently. Centrifuge both tubes 2 minutes at 1000g. Finally discard the supernatant and keep only pRBC.

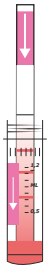




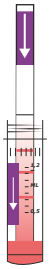
Step 11 : Add 2 drops of yellow buffer on the pellet (small PINK tube) and mix gently.



Step 12 : Add 2 drops of yellow buffer on the pellet (small PURPLE tube) and mix gently.



Step 13 : Insert the EmMa membrane in the small PINK tube and wait maximum 5 minutes to read the result.



Step 14 : Insert the EmMa membrane in the small PURPLE tube and wait maximum 5 minutes to read the result.

Step 15 : Stick both membranes on the result form respecting the arrow colors. You can now interpret blood typing and XM results.