

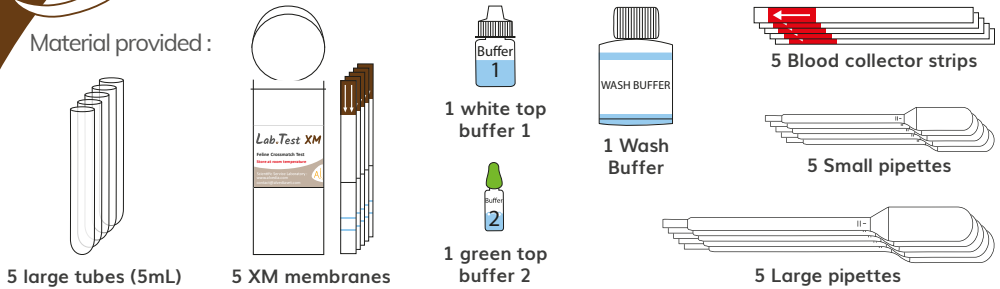


Lab.Test XM



FELINE PROCEDURE FOR MAJOR CROSSMATCH*

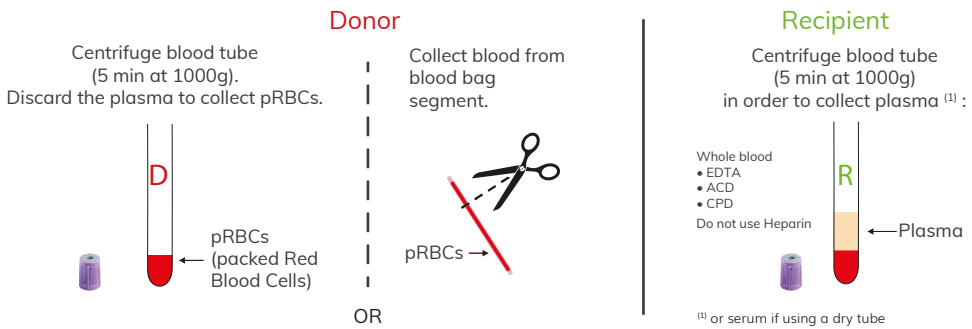
Material provided :



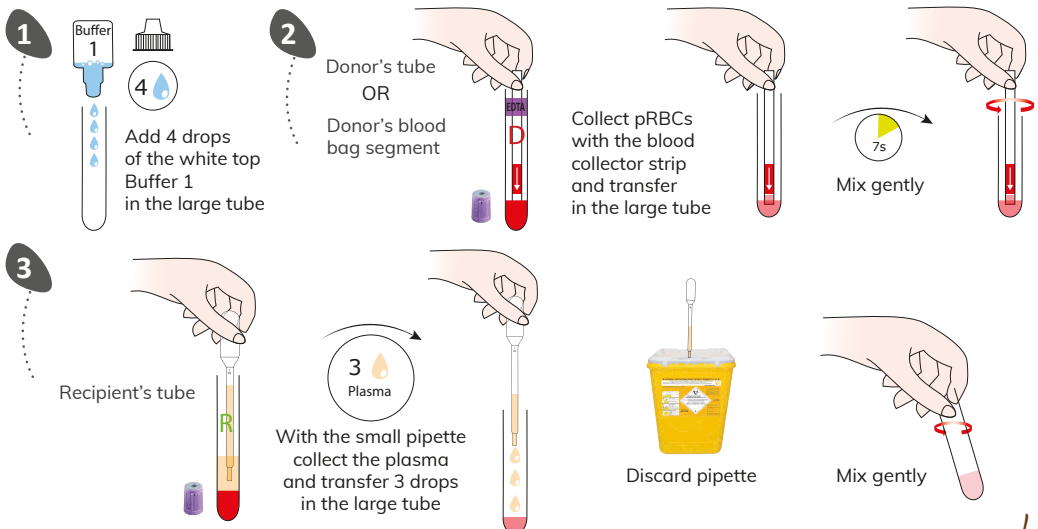
* For minor XM reverse the blood samples : Minor = Donor Plasma + Recipient RBCs and perform the same procedure

N°1 : PREPARATION OF BLOOD SAMPLES

(MAJOR = Donor RBCs + Recipient plasma)



N°2 : PREPARATION OF MAJOR XM



N°3 : INCUBATION



Incubate 10 minutes
at room temperature



N°4 : WASHING PROCEDURE

FIRST WASH

1 With the large pipette fill the tube with 3 mL of wash buffer

Add
3 mL

2 Vortex the suspension

3 Centrifuge
2 min
at 1000g

Don't forget the balance tube
(not provided)

4 Discard the supernatant only :
the RBCs pellet must stay at the bottom

SECOND WASH

5 With the large pipette fill the tube with 3 mL of wash buffer

Add
3 mL

6 Resuspend completely
the pellet by vortexing
the suspension

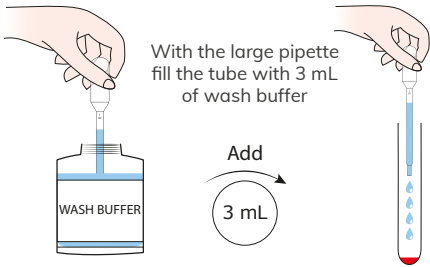
7 Centrifuge
2 min
at 1000g

Don't forget the balance tube

8 Discard the supernatant only :
the RBCs pellet must stay at the bottom

THIRD WASH (PROCEDURE TO AVOID DILUTION BEFORE TESTING)


9



With the large pipette fill the tube with 3 mL of wash buffer

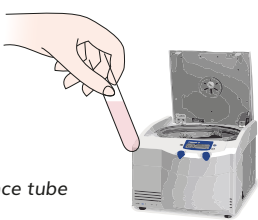
Add
3 mL

10



Resuspend completely the pellet by vortexing the suspension

11

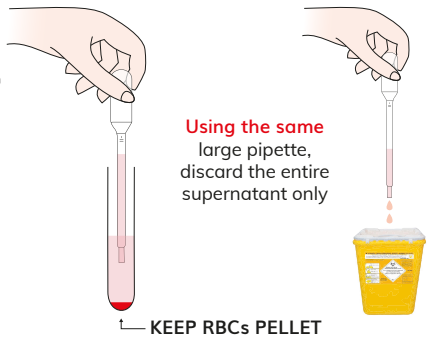


Centrifuge
2 min
at 1000g

Don't forget the balance tube

12

A

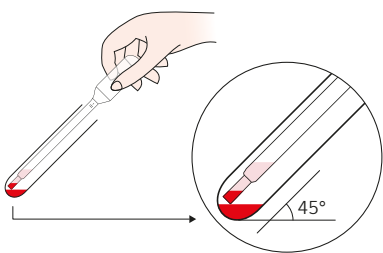


Using the same large pipette, discard the entire supernatant only

← **KEEP RBCs PELLET**

B

Discard the residual supernatant until reaching few RBCs

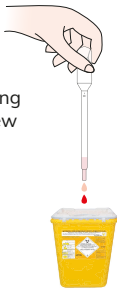


45°

C


Discard the remaining supernatant with few RBCs

Discard pipette



D

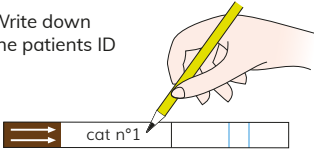
Washed RBCs pellet ready for XM test procedure



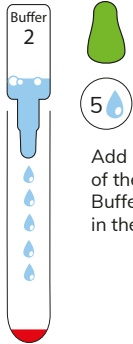
TO BE USED IMMEDIATELY

N°5 : XM TEST PROCEDURE

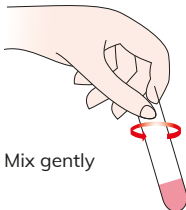
1 Write down the patients ID




2 Add 5 drops of the green top Buffer 2 in the large tube



Mix gently



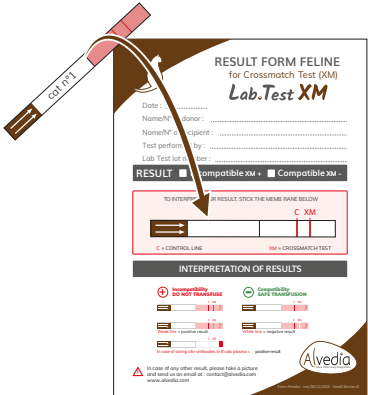
3 Insert the XM membrane in the large tube



5 min

DO NOT READ RESULT AFTER 15 MIN

4



Read the result

SCIENTIFIC ADVISES

It is **MANDATORY** to blood type the donor and the recipient before making a Feline XM Test.
Always transfuse **COMPATIBLE** blood.

Be careful, low titer and/or low affinity alloantibodies can be eluted during washing step procedures. This can affect the sensitivity of the XM test (e.g. low affinity/titer of anti-B in A blood group cat's plasma).

Usually, these alloantibodies cannot induce severe or mild hemolytic transfusion reaction.

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

Alvedia
Alice Veterinary Diagnostic