

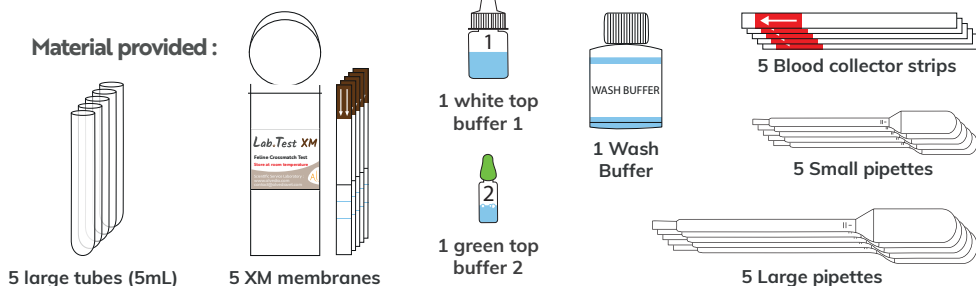


Lab Test XM Feline

25
min

FELINE PROCEDURE FOR MAJOR CROSSMATCH*

Material provided :



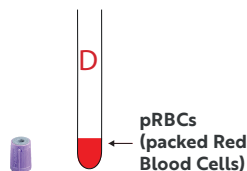
* For minor XM reverse the blood samples : Minor = Donor Plasma + Recipient RBCs and perform the same procedure

N°1 : PREPARATION OF BLOOD SAMPLES

(MAJOR = Donor RBCs + Recipient plasma)

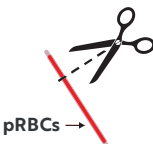
Donor

Centrifuge blood tube
(5 min at 1000g).
Discard the plasma to collect pRBCs.



OR

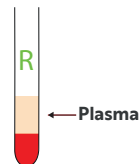
Collect blood from
blood bag
segment.



Recipient

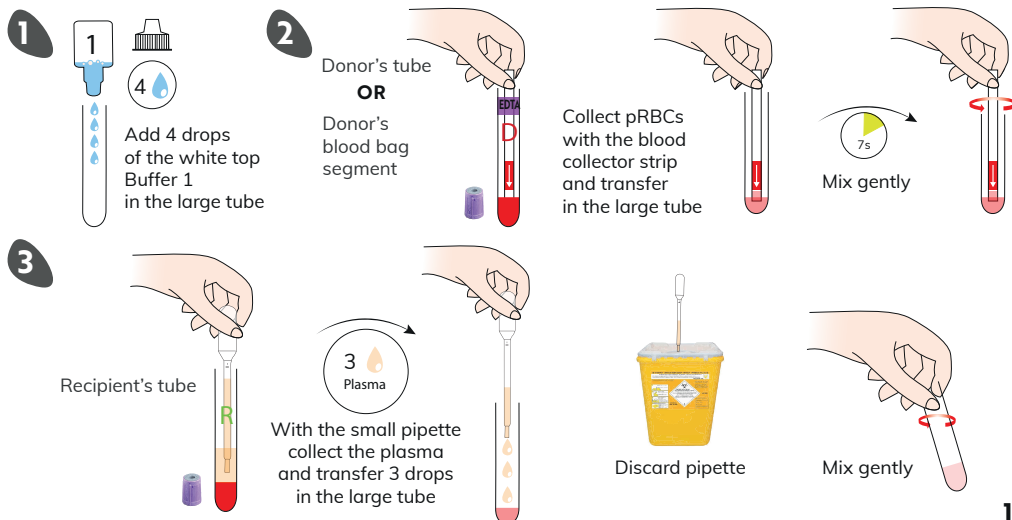
Centrifuge blood tube
(5 min at 1000g)
in order to collect plasma ⁽¹⁾ :

Whole blood
- EDTA
- ACD
- CPD
Do not use Heparin



⁽¹⁾ or serum if using a dry tube

N°2 : PREPARATION OF MAJOR XM



N°3 : INCUBATION



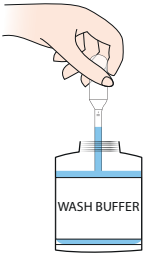
Incubate 10 minutes
at room temperature



N°4 : WASHING PROCEDURE

FIRST WASH

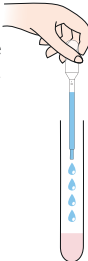
1



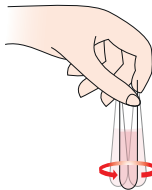
With the large pipette
fill the tube with 3 mL
of wash buffer

Add

3 mL



2



Vortex the suspension

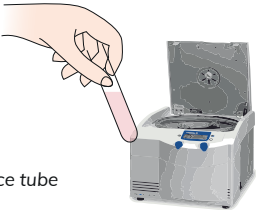


3

Centrifuge

2
min

at 1000g



Don't forget the balance tube
(not provided)

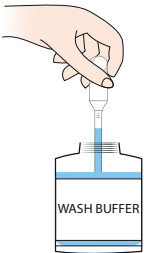
4



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

SECOND WASH

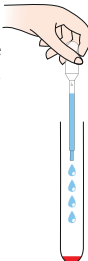
5



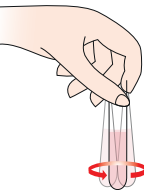
With the large pipette
fill the tube with 3 mL
of wash buffer

Add

3 mL



6



Resuspend completely
the pellet by vortexing
the suspension

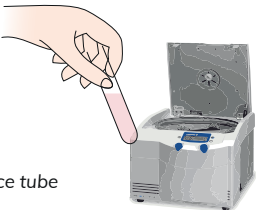


7

Centrifuge

2
min

at 1000g



Don't forget the balance tube

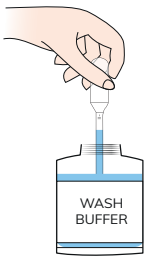
8



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

THIRD WASH (PROCEDURE TO AVOID DILUTION BEFORE TESTING)

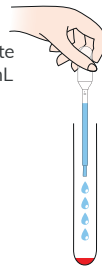
9



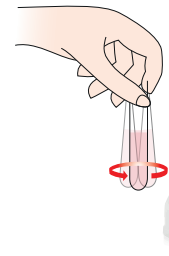
With the large pipette fill the tube with 3 mL of wash buffer

Add

3 mL



10



Resuspend completely the pellet by vortexing the suspension

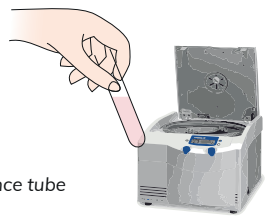
11

Centrifuge

2 min

at 1000g

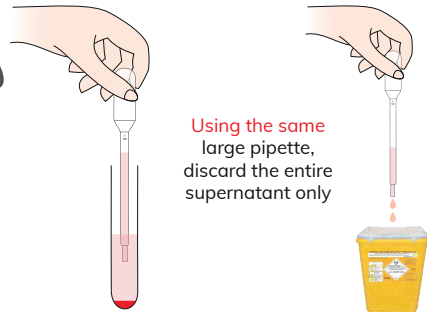
Don't forget the balance tube



12

A

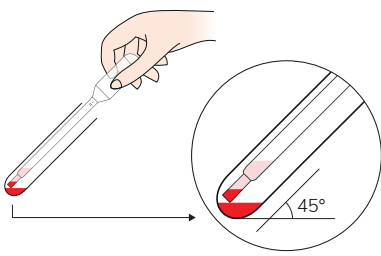
Using the same large pipette, discard the entire supernatant only



KEEP RBCs PELLET

B

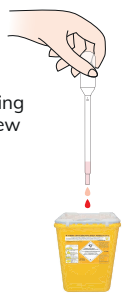
Discard the residual supernatant until reaching few RBCs



C

Discard the remaining supernatant with few RBCs

Discard pipette



D

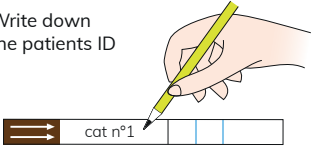
Washed RBCs pellet ready for XM test procedure



TO BE USED IMMEDIATELY

1

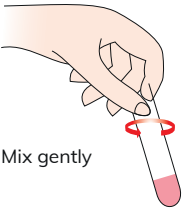
Write down the patients ID



2

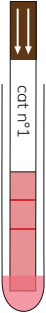

5 

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 to 10 min

DO NOT READ THE RESULT AFTER 15 MIN

4



NEW FORM

RESULT FORM FELINE
for Crossmatch Test (XM)
Lab.Test XM
Feline

Date :

Name/N° of donor :

Name/N° of recipient :

Test performed by :

Lab Test lot number :

RESULT ☐ Incompatible XM + ☐ Compatible XM -

TO INTERPRET YOUR RESULT, STICK THE MEMBRANE BELOW
Rapid immediately after testing

 C

 XM

 Lines have been moved up

C = CONTROL LINE
XM = CROSSMATCH TEST

INTERPRETATION OF RESULTS

**Incompatibility
DO NOT TRANSFUSE**

**Compatibility
SAFE TRANSFUSION**

 Weak line = positive result

 Weak line = negative result

 C: XM

 XM

 In case of strong allo-antibodies in B cat's plasma = positive result

In case of any other result, please take a picture and send us an email at :
contact@alvedia.com www.alvedia.com

ALVEDIA

alice veterinary diagnostics

From Alvedia - maj 03/09/2025 - Small Stories®

Read the result

March 2025 - PRODUCT UPDATE
Lines have been moved up

SCIENTIFIC ADVISES

It is **MANDATORY** to blood type the donor and the recipient
before making a Canine 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 reactions.

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

