



QuickTest XM Feline

FELINE PROCEDURE FOR MAJOR CROSSMATCH*

25
min

Material
provided :



1 XM Quick Test

≈ 10 µL

≈ 10 µL

2 Blood collector strips



1 blue top
buffer 1



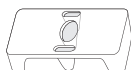
1 green top
buffer 2



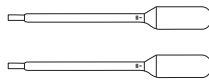
1 Wash
Buffer



1 small tube



1 Empty well



2 pipettes (1 drop ≈ 40 µL)

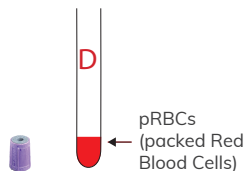
* For minor XM reverse the blood samples : Minor = Donor Plasma + Recipient RBCs and perform the same procedure

N°1 : PREPARATION OF BLOOD SAMPLES

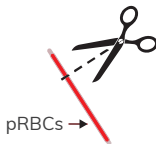
(MAJOR = Donor RBCs + Recipient plasma)

Donor

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



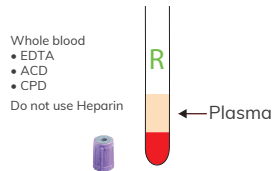
Collect blood from
blood bag
segment.



OR

Recipient

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



⁽¹⁾ or serum if using a dry tube

N°2 : PREPARATION OF MAJOR XM

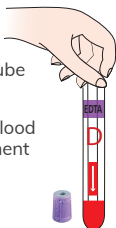
1



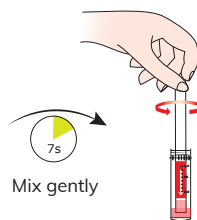
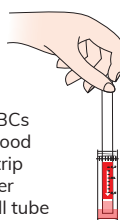
Add 4 drops
of the blue top
Buffer 1
in the small tube

2

Donor's tube
OR
Donor's blood
bag segment

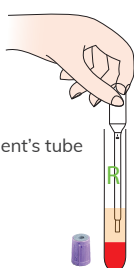


Collect pRBCs
with the blood
collector strip
and transfer
in the small tube



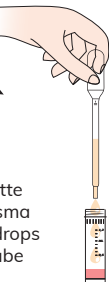
3

Recipient's tube



3
Plasma

With the pipette
collect the plasma
and transfer 3 drops
in the small tube

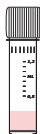


Discard pipette



Mix gently

N°3 : INCUBATION



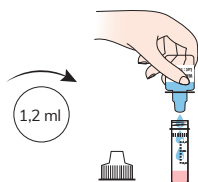
Incubate 10 minutes
at room temperature

N°4 : WASHING PROCEDURE

FIRST WASH

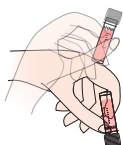
1

Fill the tube up to
1,2 ml of wash
buffer



2

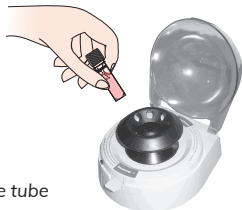
Mix the suspension
3 times minimum



3

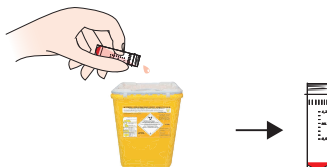
Centrifuge
2 min
at 1000g

Don't forget the balance tube
(not provided)



4

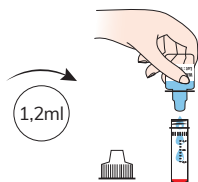
Discard the supernatant only :
the RBCs pellet must stay at the bottom



SECOND WASH

5

Fill the tube up to
1,2 ml of wash
buffer



6

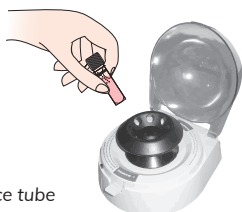
Resuspend completely
the pellet by mixing
the suspension
several times



7

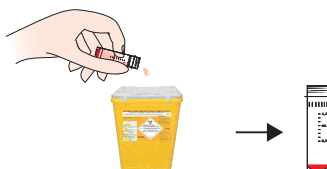
Centrifuge
2 min
at 1000g

Don't forget the balance tube



8

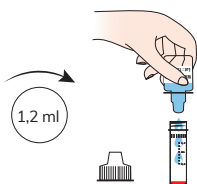
Discard the supernatant only :
the RBCs pellet must stay at the bottom



THIRD WASH (PROCEDURE TO AVOID DILUTION BEFORE TESTING)

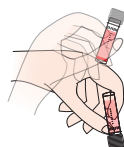
9

Fill the tube up to 1.2 ml of wash buffer



10

Resuspend completely the pellet by mixing the suspension several times



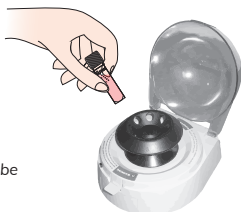
11

Centrifuge

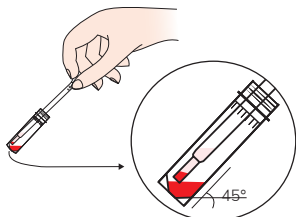
2 min

at 1000g

Don't forget the balance tube



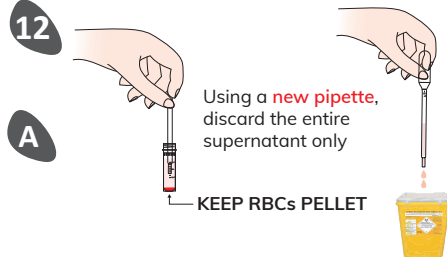
Discard the residual supernatant until reaching few RBCs



12

Using a new pipette, discard the entire supernatant only

KEEP RBCs PELLET



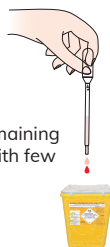
Washed RBCs pellet ready for XM test procedure



TO BE USED IMMEDIATELY

Discard the remaining supernatant with few RBCs

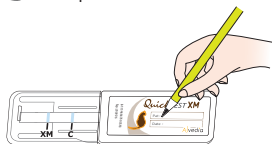
Discard pipette



N°5 : XM TEST PROCEDURE

1

Write down the patients ID



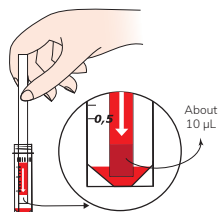
2

Add 5 drops of the green top Buffer 2 in the well



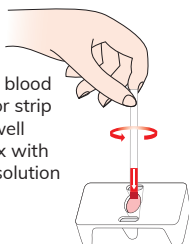
3

Collect the RBCs pellet with the blood collector strip



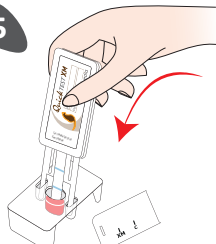
4

Dip the blood collector strip in the well and mix with buffer solution



5

Insert the membrane



6

5 to 10 min

DO NOT READ RESULT AFTER 15 MIN



7

Read the result



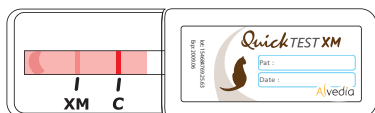
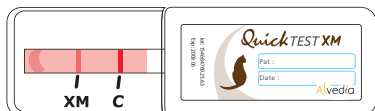
QuickTest XM

Feline

Result Interpretation



INCOMPATIBLE / DO NOT TRANSFUSE



Weak line = positive result



In case of strong allo-antibodies in B cats plasma = positive result

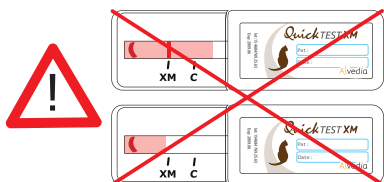


Lines have been moved up

C = Control Line

XM = Antiglobulin Test for detection of Feline CrossMatch

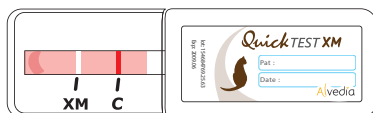
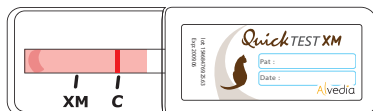
The XM test line will often be weaker than the control line.



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



COMPATIBLE / SAFE TRANSFUSION



White line = negative 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 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 diagnostics