QR CODE : Movie Procedure

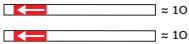
QuickTest XM

CANINE PROCEDURE FOR MAJOR CROSSMATCH*

25 min

Material provided :

1 XM Quick Test



2 Blood collector strips

1 blue top buffer 1

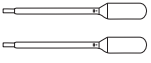
1 green top buffer 2

1 Wash Buffer

1,2 ml

1 small tube

1 Empty well



2 pipettes (1 drop ≈ 40 µL)

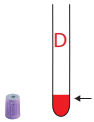
*** For minor XM reverse the blood samples : Minor = Donor Plasma + Recipient RBCs and perform the same procedure**

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.



pRBCs (packed Red Blood Cells)

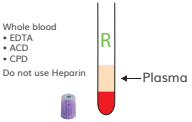
OR

Collect blood from blood bag segment.

pRBCs

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

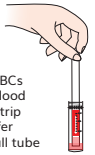
1

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

2

Donor's tube OR Donor's blood bag segment

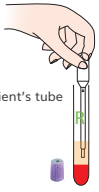
Collect pRBCs with the blood collector strip and transfer in the small tube



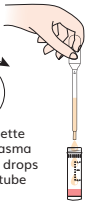
Mix gently

3

Recipient's tube



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



Discard pipette

Mix gently

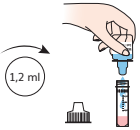
N°3 : INCUBATION

Incubate 10 minutes
at room temperature

N°4 : WASHING PROCEDURE

FIRST WASH

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

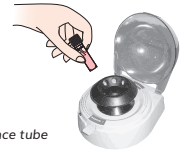


2

Mix the suspension 3 times minimum

3 Centrifuge 2 min at 1000g

Don't forget the balance tube (not provided)

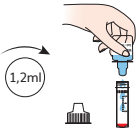


4

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

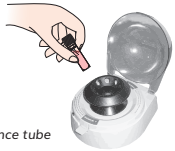


6

Resuspend completely the pellet by mixing the suspension several times

7 Centrifuge 2 min at 1000g

Don't forget the balance tube

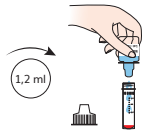


8

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



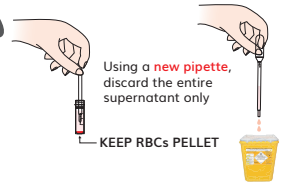
10 Resuspend completely the pellet by mixing the suspension several times

11 Centrifuge 2 min at 1000g

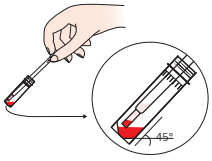
Don't forget the balance tube

12 A Using a new 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

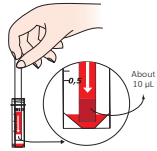
TO BE USED IMMEDIATELY

N°5 : XM TEST PROCEDURE

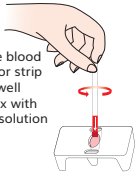
1 Write down the patients ID

2 Add 3 drops of the green top Buffer 2 in the well

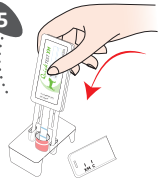
3 Collect the RBCs pellet with the blood collector strip



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



5 Insert the membrane



6 5 to 10 min

WAIT UNTIL COMPLETE MIGRATION

7 Read the result

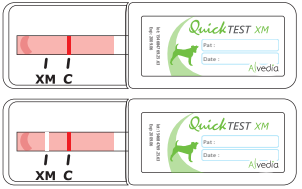
QuickTest XM

Result Interpretation

INCOMPATIBLE / DO NOT TRANSFUSE

Weak line = positive result

COMPATIBLE / SAFE TRANSFUSION

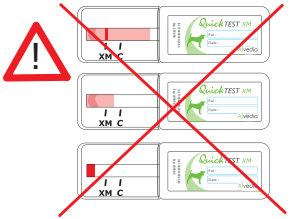


White line = negative result

C = Control Line

XM = Antiglobulin Test for detection of Canine 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

PRODUCT UPDATE

The control line and the XM line have moved down to allow a faster result (washed red blood cells are visious and could slow down the migration).

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

Alvedia
Alice Veterinary Diagnostic