



Gel Test

Major XM Canine

QR CODE : Movie Procedure

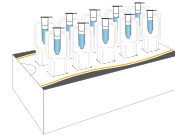


PROCEDURE FOR CANINE MAJOR CROSSMATCH

Material provided :

1 buffer solution

1 box of 10 XM Gel Tests



Sample material : **DONOR** blood tube or blood bag segment.

RECIPIENT blood tube.

Preferably drawn into EDTA, CPD or ACD. **Do not use Heparin.**

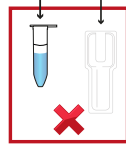
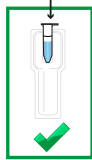
For reliable results, use of freshly collected blood is indicated (<3 days at 2 - 8 °C).

Material required : Swinging bucket centrifuge* ; 2 micropipettes (100-1000µl + 10-100µl) ; 2 test tubes ; tips.

***WARNING : Use only the swinging bucket centrifuge Hettich EBA270 or Drucker Horizon 6.**

N°1 : Preparation of material provided before use

Gel Test = Gel tube + Gel support



DO NOT
DISSOCIATE



20°C → 25°C



Allow the buffer solution and Gel Test to reach room temperature before use.

N°2 : Centrifugation of the Gel Test before use

Centrifuge the Gel Test for **2 minutes at 3000 RPM**, in order to remove air bubbles or gel drops in the upper part of the Gel Test.



Gel Test



Balance Gel Test
(use another Gel Test
in the box as balance)



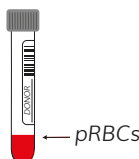
N°3 : Preparation of blood samples for MAJOR XM*

DONOR

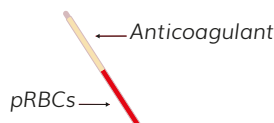
OR

RECIPIENT

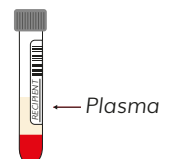
Centrifuge blood tube
for **5 minutes at 3000 RPM**.
Discard the plasma to collect pRBCs.



Centrifuge blood bag segment
for **5 minutes at 3000 RPM**.
Discard the anticoagulant to collect
pRBCs.

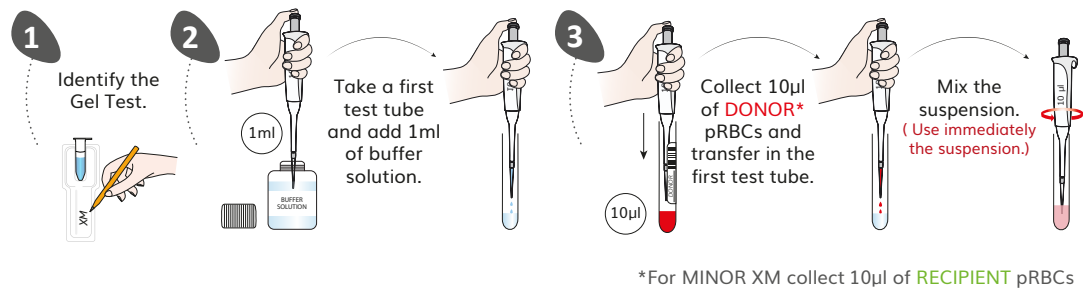


Centrifuge blood tube for
5 minutes at 3000 RPM,
in order to collect plasma.

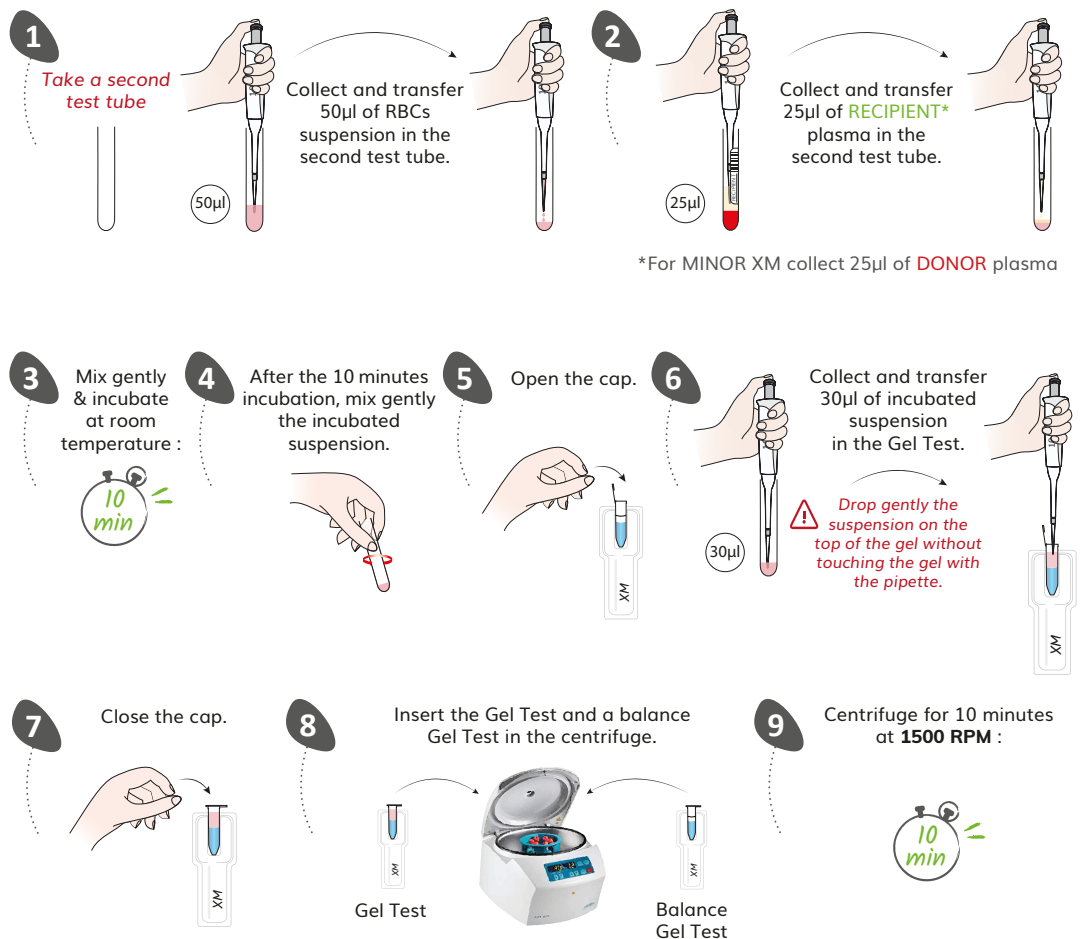


*MINOR XM : Reverse the blood samples by collecting **RECIPIENT** pRBCs and **DONOR** Plasma

N°4 : RBCs suspension preparation

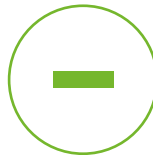
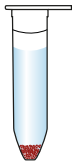


N°5 : Major XM Gel Test procedure

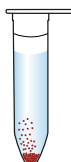
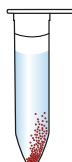
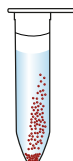
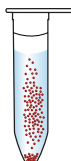
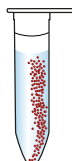
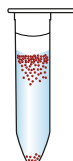
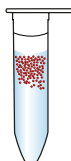
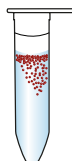
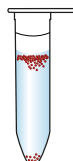
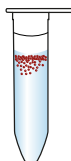
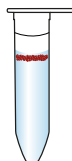


RESULT INTERPRETATION

Compatibility = **SAFE TRANSFUSION** 



Incompatibility = **DO NOT TRANSFUSE** 



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

Alvedia
Alice Veterinary Diagnostic

Procedure Alvedia - maj 16/02/2023 - Small Stories ©

LIMITATIONS

- If the blood tube is hemolyzed OR more than 72 hours : wash 1 time in PBS or saline buffer (NaCl 0,9%) to obtain washed pRBCs.
- Do not use Gel Test tubes which show signs of drying.
- Gel Test tubes which show air bubbles or gel drops in the upper part of the tube must be centrifuged before use.
- Strict adherence to the procedures and recommended equipment, especially the Hettich EBA270 or Drucker Horizon 6, is essential for a reliable and validated result.
- A non-specific (fixed angle centrifuge) will give you false positive results.
- Debris, fibrin residues or other artefacts may cause a few unagglutinated cells to trap on top of gel, but these should be interpreted as negative.
- Use of suspension solutions others than the provided one may modify the reactions.
- Too diluted or concentrated red blood cell suspensions can cause aberrant results.

VALID GEL TEST



DAMAGED GEL TESTS

Please contact us for scientific support.

