



Gel Test

Major XM Equine



PROCEDURE FOR EQUINE MAJOR CROSSMATCH

Material provided :

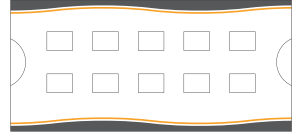
10 Gel Tests



1 buffer solution



1 box of Gel Tests



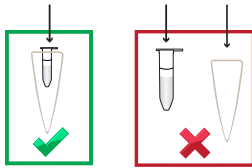
Sample material : Donor packed red blood cells (pRBCs) and Recipient plasma.
 Preferably drawn into EDTA, CPD or ACD. **Do not use Heparin.**
 For reliable results, use of freshly collected blood is indicated (<3 days at 2 - 8 °C).

Further material required : Centrifuge Hettich EBA270 ; micropipette ; test tubes ; tips.

WARNING : Use only the swinging bucket centrifuge Hettich EBA270.

N°1 : Preparation of material provided before use

Gel Test = Gel tube + Gel support



DO NOT DISSOCIATE



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 with Hettich EBA270, in order to remove air bubbles or gel drops in the upper part of the Gel Test.



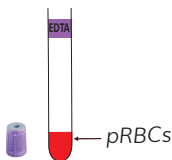
Gel Test

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

N°3 : Preparation of blood samples for Major XM

DONOR

Centrifuge blood tube for 5 minutes at 3000 RPM, with Hettich EBA270. Discard the plasma to collect pRBCs.



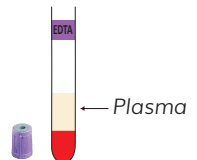
OR

Collect blood from blood bag segment.

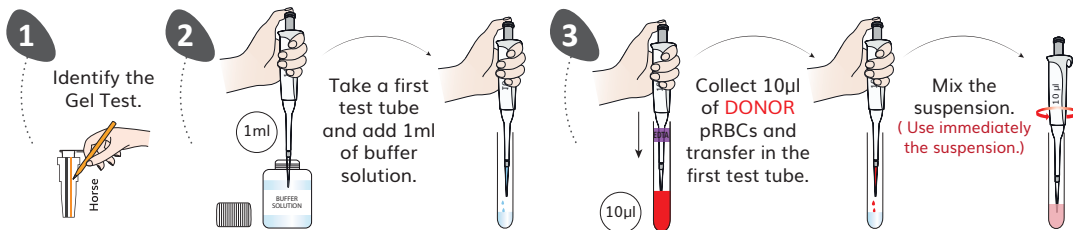


RECIPIENT

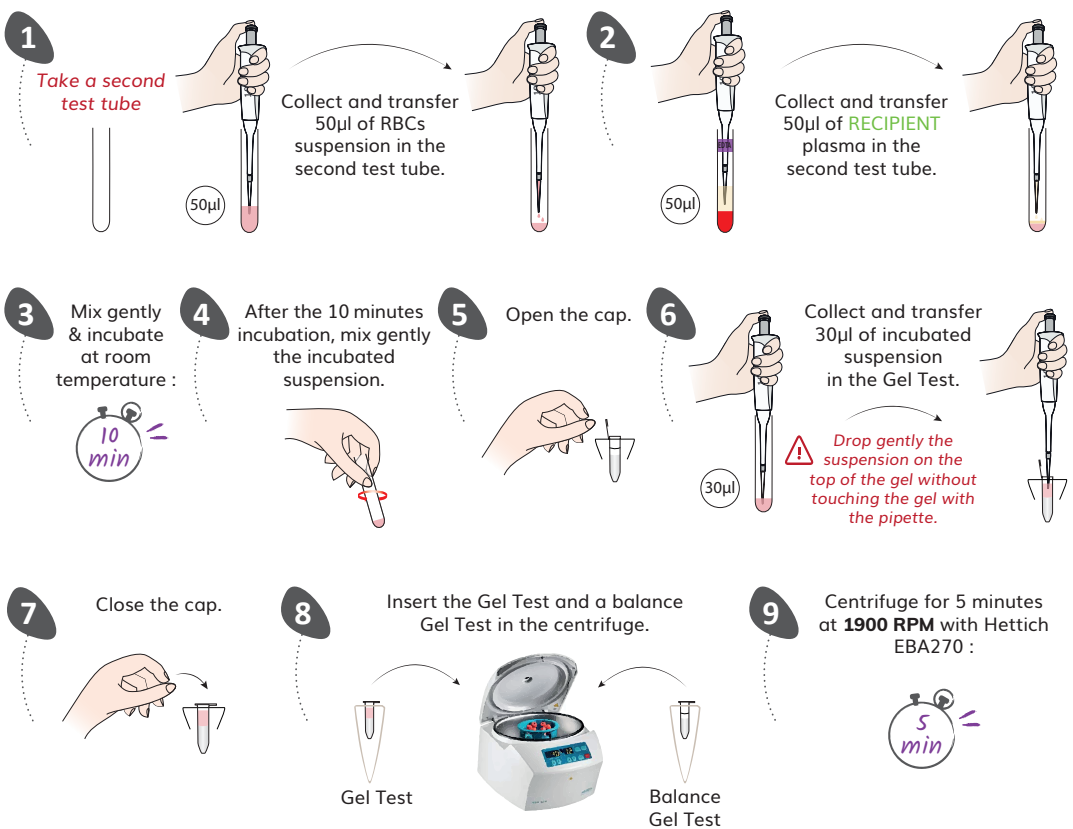
Centrifuge blood tube for 5 minutes at 3000 RPM, with Hettich EBA270, in order to collect plasma.



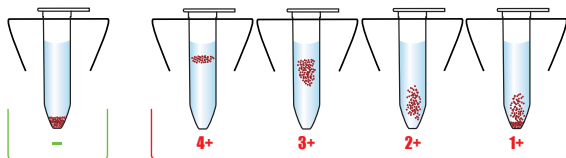
N°4 : RBCs suspension preparation



N°5 : Major XM Gel Test procedure



RESULT INTERPRETATION



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

Alvedia
Alice Veterinary Diagnostic

Procedure Alvedia - maj 10/12/2020- Small Stories ©

LIMITATIONS

- 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 tubes must be centrifuged before use.
- Strict adherence to the procedures and recommended equipment, especially the Hettich EBA270, is essential for a reliable and validated result.
- A non-specific centrifuge (fixed angle centrifuge) will give you false positive results.
- Fibrin residues in the red blood cell suspension may trap non-agglutinated cells presenting a fine pink line on top of the gel while most of the cells are on the bottom of the microtube after centrifugation.
- Use of suspension solutions other than the provided one may modify the reactions.
- Too diluted or concentrated red blood cell suspensions can cause aberrant results.
- If the blood tube is hemolyzed, wash 3 times in PBS or saline buffer (NaCl 0,9%) to obtain washed pRBCs. Washing RBCs movie procedure : www.alvedia.com

VALID GEL TEST



DAMAGED GEL TESTS

Please contact us for scientific support.

