



Gel Test

Major XM Equine



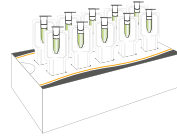
- SCAN ME**
- Movie procedure
 - Test result
 - Record result
 - Troubleshooting

PROCEDURE FOR EQUINE 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.

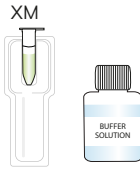
Preferably drawn into EDTA, CPD or ACD. **Do not use Heparin.**

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

Material required : **Specific centrifuge** : Hettich EBA270 or Drucker True Bond ;
2 micropipettes (100-1000µl + 10-100µl) ; **20 clean test tubes** (5ml).

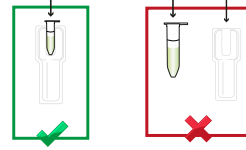
Preparation of material provided

15°C 25°C
Allow the buffer solution and Gel Tests to reach **room temperature** before use.

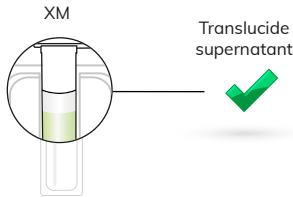


DO NOT DISSOCIATE FOR CENTRIFUGATION

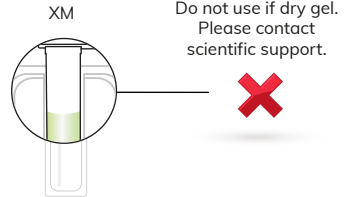
Gel Test = Gel tube + Gel support



Visual checking before use



Translucide supernatant



Do not use if dry gel.
Please contact scientific support.

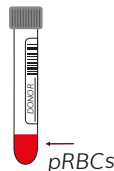
Preparation of blood samples for MAJOR XM*

DONOR BLOOD TUBE

Centrifuge blood tube :

- with Hettich : 3 minutes at 3500 RPM
- with Drucker : program "Blood separation" (3200 RPM / 3min)

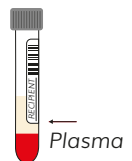
Discard plasma.



RECIPIENT BLOOD TUBE

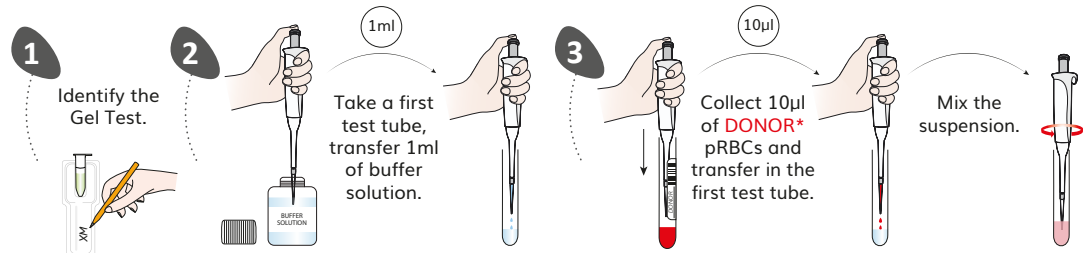
Centrifuge blood tube :

- with Hettich : 3 minutes at 3500 RPM
- with Drucker : program "Blood separation" (3200 RPM / 3min)



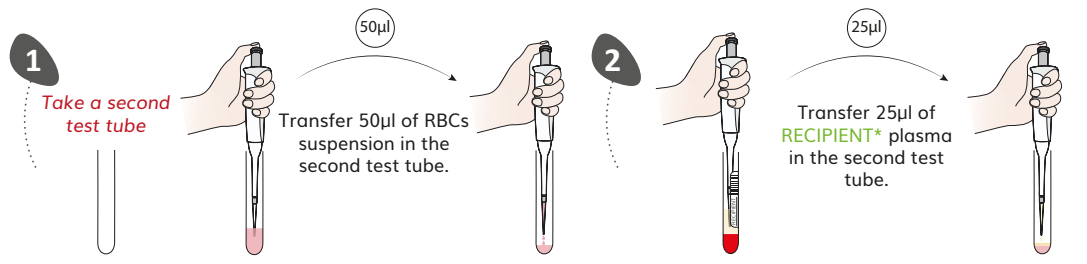
*MINOR XM : Reverse the blood samples by collecting **RECIPIENT** pRBCs and **DONOR** Plasma

RBCs suspension preparation

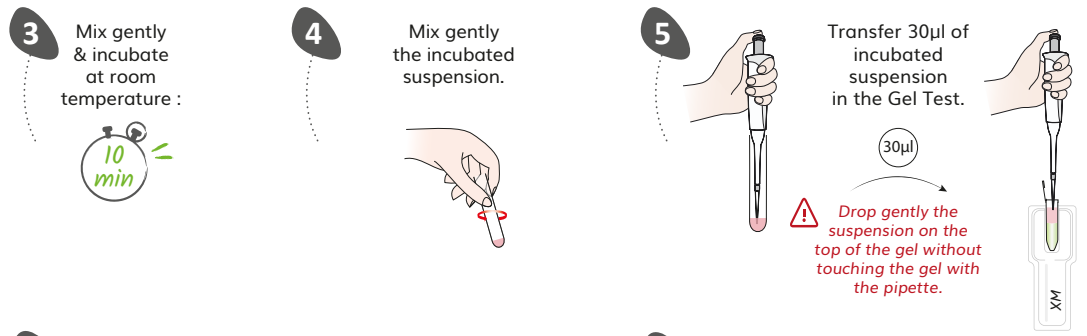


*For MINOR XM collect 10µl of **RECIPIENT** pRBCs

Major XM Gel Test procedure

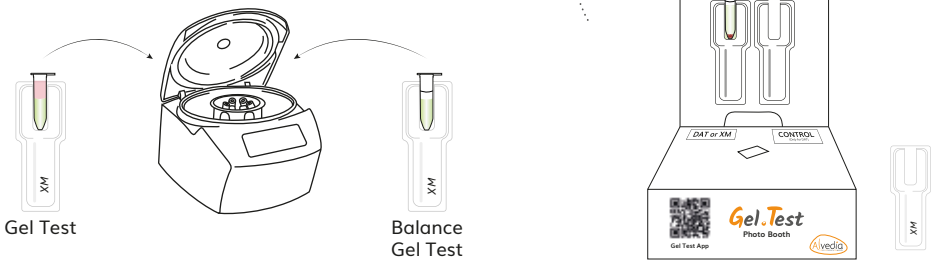


*For MINOR XM collect 25µl of **DONOR** plasma



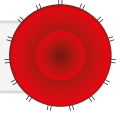
6 Hettich : Centrifuge Gel Tests for 10 minutes at 1500 RPM
 Drucker : Centrifuge Gel Tests program "Gel Test" (1500 RPM / 10min)

7 Scan your test on the app using the gel test photo booth :

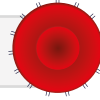


RESULT INTERPRETATION

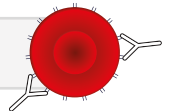
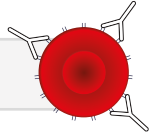
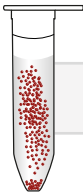
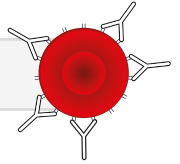
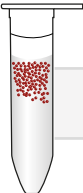
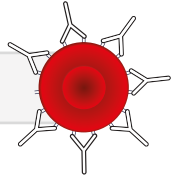
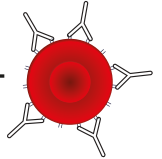
Compatibility = SAFE TRANSFUSION 



Incompatibility = DO NOT TRANSFUSE 



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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 and Drucker True Bond, is essential for a reliable and validated result.
- A non-specific centrifuge (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.