



Gel Test

Feline Direct Anti-Globulin Test

QR CODE : Movie Procedure



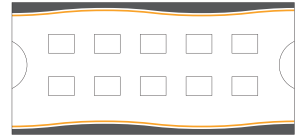
PROCEDURE FOR FELINE DIRECT ANTI-GLOBULIN TEST (COOMBS TEST)

Material provided :

10 Gel Tests

1 buffer solution

1 box of Gel Tests



Sample material : Patient's packed red blood cells (pRBCs).

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).

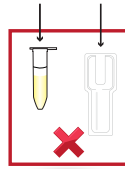
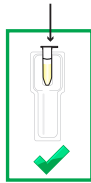
If blood sample > 3 days OR hemolyzed : wash 1 time the blood.

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



20°C → 25°C



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

[*minimum 30 minutes at RT]

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.

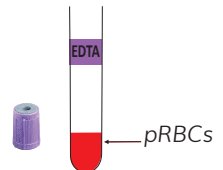


N°3 : Preparation of blood sample for DAT

Patient :

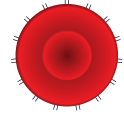
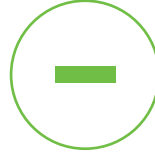
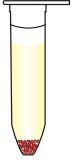
Centrifuge blood tube for 5 minutes at 3000 RPM, with Hettich EBA270.

Discard the plasma to collect pRBCs.

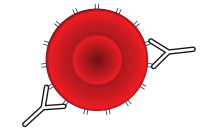
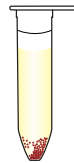
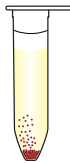
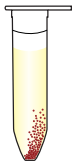
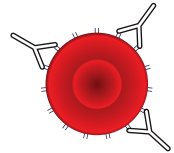
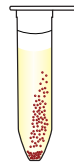
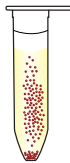
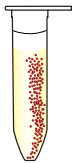
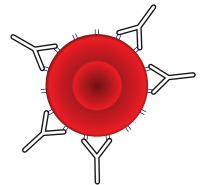
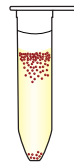
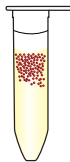
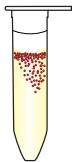
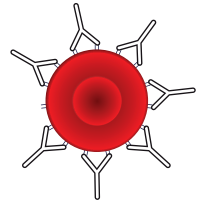


RESULT INTERPRETATION

NEGATIVE : Absence of immunoglobulin (IgG & IgM) and/or C3 components binding to the RBC surface



POSITIVE : Presence of immunoglobulin (IgG & IgM) and/or C3 components binding to the RBC surface.



Troubleshooting
Please contact the Scientific Service Laboratory
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Alvedia
Alice Veterinary Diagnostic

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, 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.

