





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

Material provided:

1 buffer solution



1 box of 10 DAT Gel Tests



1 box of 10 neutral Gel Tests



Sample material:

Patient's packed red blood cells (pRBCs), drawn into EDTA only.

Do not use Heparin.

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

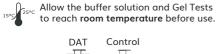
If blood sample > 3 days OR hemolyzed: wash 1 time the blood.

Material required:

Specific centrifuge : Hettich EBA270 or Drucker True Bond ;

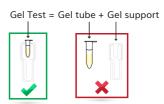
2 micropipettes (100-1000 μ l + 10-100 μ l); 10 test tubes (min. 1,5 ml).

Preparation of material provided



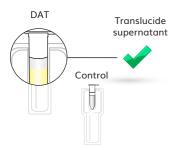


DO NOT DISSOCIATE FOR CENTRIFUGATION



DAT

Visual checking before use



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



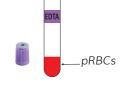
Preparation of blood sample for DAT

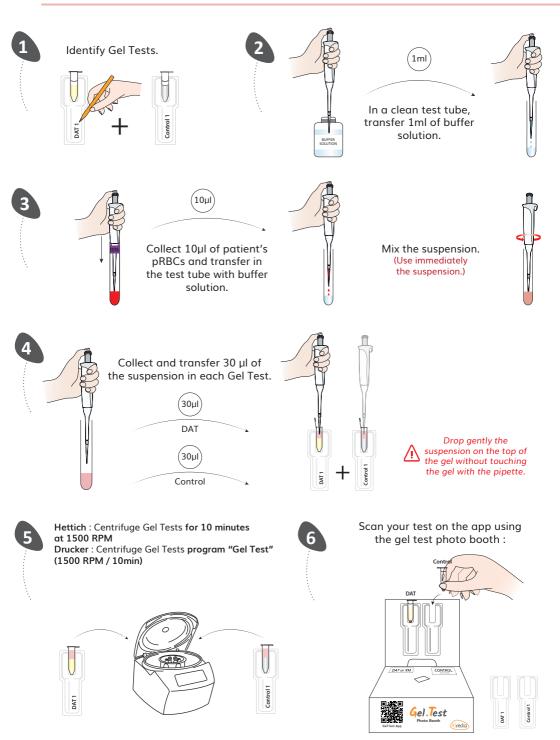
Patient blood tube:

Hettich: Centrifuge blood tube for 3 minutes at 3500 RPM

Drucker: Centrifuge blood tube program "Blood separation" (3200 RPM / 3min)

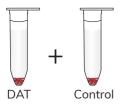
+ Remove plasma to collect pRBCs.





RESULT INTERPRETATION

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







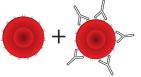
POSITIVE DAT: Presence of immunoglobulin (IgG & IgM) and/or C3 components binding to the RBC surface.

































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IF POSITIVE CONTROL: WASH THE RBCs 1 TIME AND PERFORM THE TEST AGAIN

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

