



Gel Test

Canine Direct Anti-Globulin Test

PROCEDURE



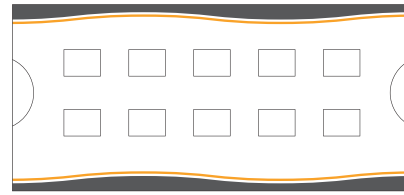
PROCEDURE FOR CANINE DIRECT ANTI-GLOBULIN TEST (COOMBS TEST)

Material provided :

10 gel tests

2 buffer solutions

1 box of gel tests



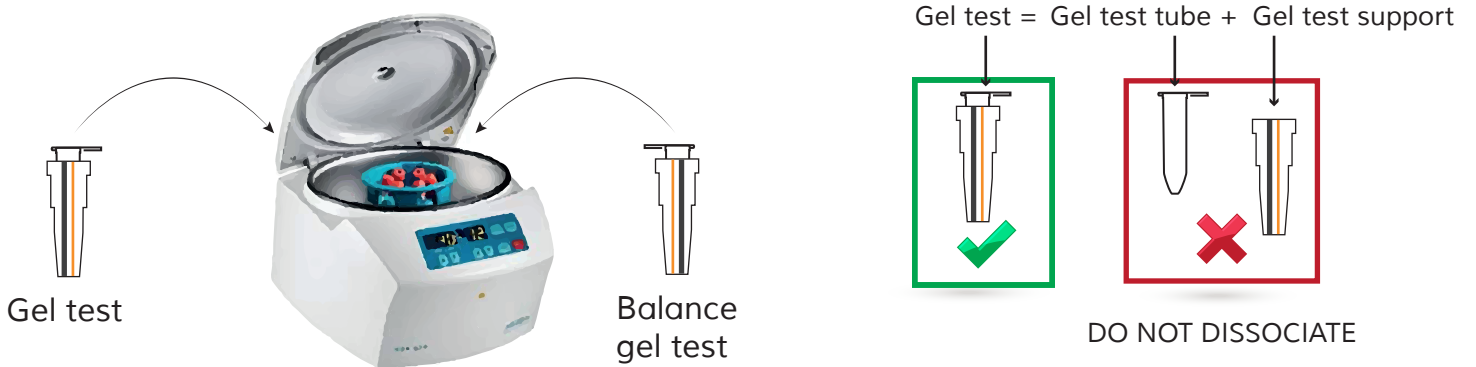
Sample material : Patient packed red blood cells (pRBCs). Preferably drawn into EDTA, CPD or ACD. **Do not use Heparin**. For reliable results, use of freshly collected blood is indicated (<3 days at 2 - 8 °C).

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

WARNING : Use only swinging bucket centrifuge (IF DIFFERENT THAN HETTICH EBA270).

N°1 : Centrifugation of the gel test before use

Centrifuge the gel test for 2 minutes at 3000 RPM with Hettich EBA270. (with other swinging bucket centrifuge : 2 minutes at 1000 g.)

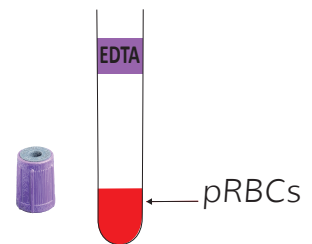


N°2 : Preparation of blood samples for DAT

Patient :

Centrifuge blood tube. Discard the serum or plasma to collect pRBCs.

Warning : If the blood tube is hemolyzed, wash 3 times PBS or NaCl 0,9% to obtain washed pRBCs. **Washing RBCs procedure movie on :** www.alvedia.com/customer-scientific-support/



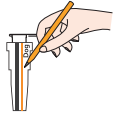
N°3 : Preparation of material provided before use

Allow the buffer solution and gel test to reach room temperature before use.

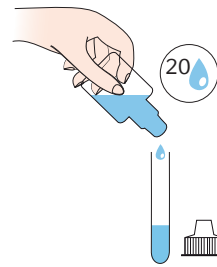


N°4 : DAT gel test procedure

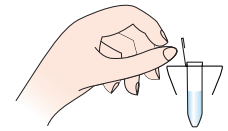
1 Identify the gel test.



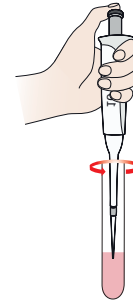
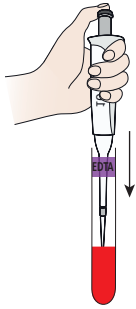
2 Add 20 drops (or 1ml) of buffer solution into the test tube.



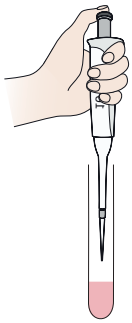
3 Open the cap.



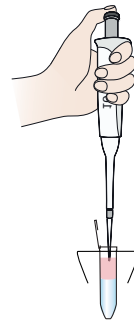
4 Collect 10µl of patient's pRBCs and transfer into the test tube with buffer solution. Mix the suspension. The red cell suspension must be used within 1 hour. (Don't forget to resuspend if not used immediately)



5 Collect and transfer 30µl of the suspension into the gel test.



! Drop gently the suspension on the top of the gel without touching the gel with the pipette and close it before centrifugation.

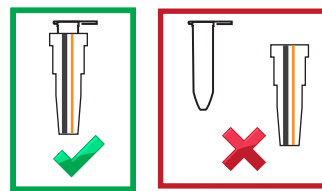


OPTION

Collect and transfer 30 µl of suspension into the NEUTRAL gel test to perform an auto-control.

Refer to auto-control procedure.

6 Insert the gel test and a balance gel test in the centrifuge.



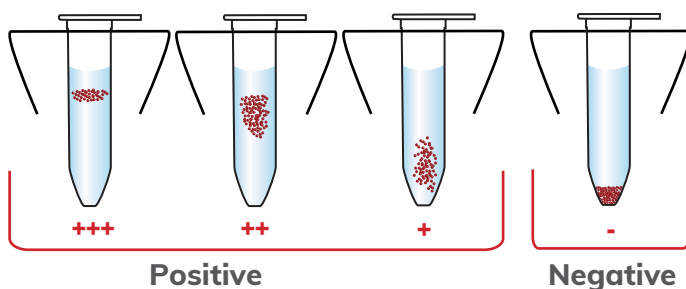
DO NOT DISSOCIATE FOR CENTRIFUGATION

7 Centrifuge at **1500 RPM** with Hettich EBA270 :



(Or 10 min at 200g with other swinging bucket centrifuge.)

RESULT INTERPRETATIONS



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

Alvedia
Alice Veterinary Diagnostic