

Lab Test DAT Canine

20
min

CANINE PROCEDURE FOR DIRECT ANTIGLOBULIN TEST

Material provided :



10 DAT membranes



10 large tubes (5mL)



1 Wash Buffer

1,2 ml



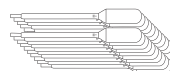
1 green top buffer



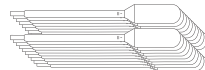
10 small tubes



10 blood collector strips



20 small pipettes



20 large pipettes

Sample material : Patient packed red blood cells (pRBCs) drawn into EDTA only.

Do not use Heparin.

Further material required : Centrifuge (Benchtop mini-centrifuge or others)

FOR RELIABLE RESULTS : USE FRESH COLLECTED BLOOD ONLY (< 12 HOURS)

N°1 : PACKED RED BLOOD CELLS (pRBCs) WASHING PROCEDURE

PREPARATION

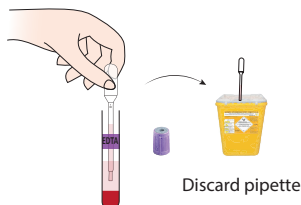
1

Centrifuge blood tube to separate RBCs & plasma (5 min at 1000g)



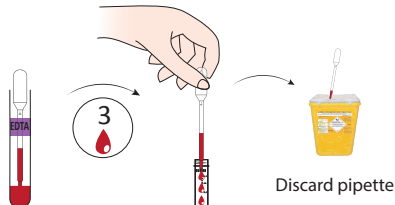
2

Using a **large** pipette
Discard plasma



3

Using a **small** pipette
collect pRBCs and transfer 3 drops
in the 1,2 mL small tube



FIRST WASH

4

With a **new large** pipette,
fill the small tube up to

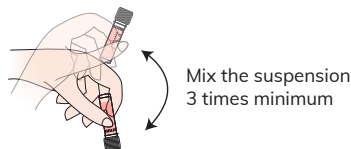


1,2 mL

Keep the large pipette for 2nd wash.

To avoid contamination don't touch RBCs.

5



Mix the suspension
3 times minimum

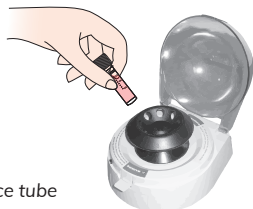
6

Centrifuge

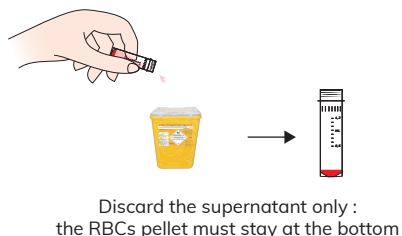
2
min

at 1000g

Don't forget the balance tube
(not provided)

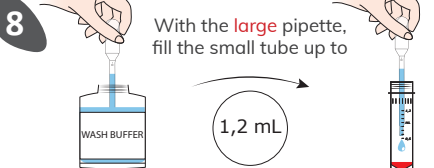


7

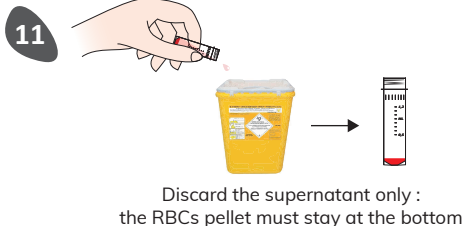
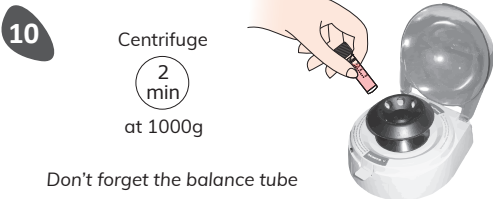
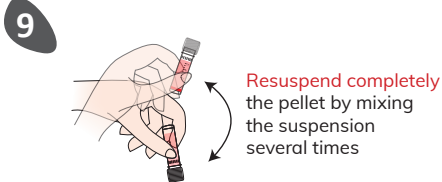


Discard the supernatant only :
the RBCs pellet must stay at the bottom

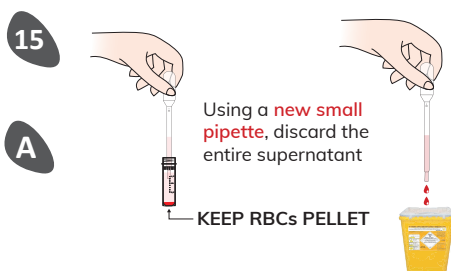
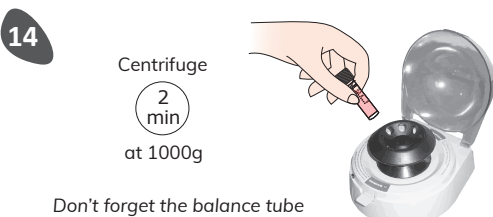
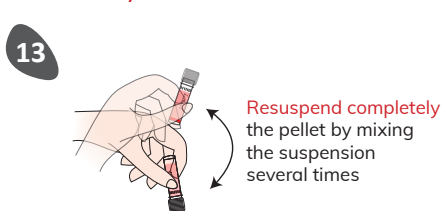
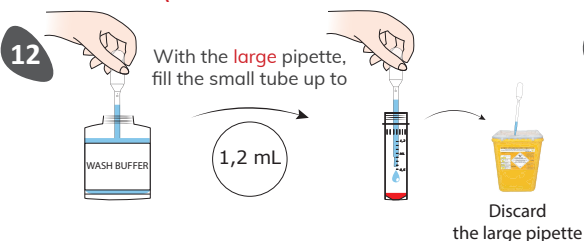
SECOND WASH



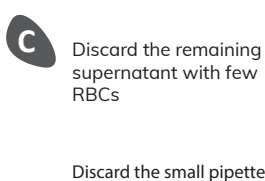
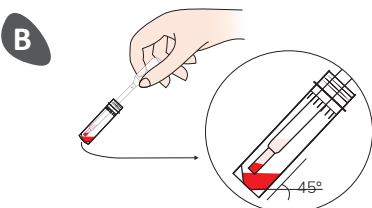
Keep the large pipette for 3rd wash.
To avoid contamination don't touch RBCs.



THIRD WASH (PROCEDURE TO AVOID DILUTION BEFORE TESTING)



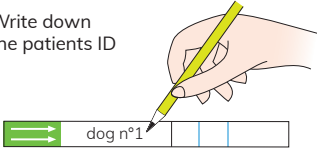
Discard the residual supernatant until reaching few RBCs



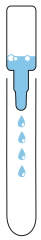
N°2 : DAT TEST PROCEDURE

1

Write down the patients ID



2

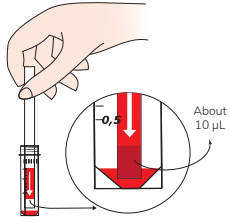


4

Add 4 drops of the green top buffer in the large tube

3

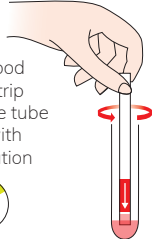
Collect the RBCs pellet with the blood collector strip



4

Dip the blood collector strip in the large tube and mix with buffer solution

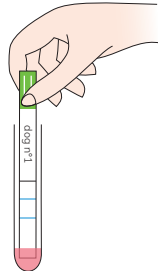
10s



Discard blood collector strip

5

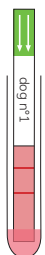
Insert the DAT membrane



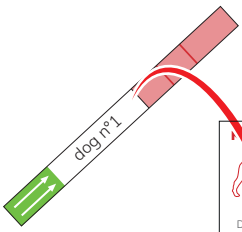
6

5 to 10 min

DO NOT READ RESULT AFTER 15 MIN



7



NEW FORM

RESULT FORM CANINE
for Direct Anti-globulin Test (Coombs Test)

Lab.Test DAT
Canine

Date :
Name/N° of Donor :
Name/N° of Recipient :
Test performed by :
Lab Test lot number :

RESULT ☒ DAT + ☐ DAT -

TO INTERPRET YOUR RESULT, STICK THE MEMBRANE BELOW
Read immediately after testing.

Lines have been moved up

C = CONTROL LINE
AT = ANTIGLOBULIN TEST FOR DETECTION OF CANINE DIRECT ANTIGLOBULIN TEST

INTERPRETATION OF RESULTS

+ C AT
Weak line = positive result

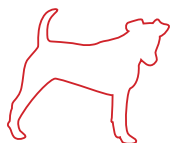
- C AT
White line = negative result

In case of any other result, please take a picture and send us an email at : contact@alvedia.com www.alvedia.com

ALVEDIA
Small Stripes®
Form Alvedia - mg 2862/2025 - Small Stripes®

March 2025 -
PRODUCT UPDATE
Lines have been
moved up

Read the result



INTERPRETATION OF RESULTS



Weak line = positive result



White line = negative result

C = Control line

AT = Antiglobulin Test for detection of canine direct antiglobulin test



In case of any other result, please take a picture and send us an email at : contact@alvedia.com
www.alvedia.com

March 2025 - PRODUCT UPDATE

Lines have been moved up

SCIENTIFIC ADVISES

Be careful, low titer and/or low affinity autoantibodies can be eluted during washing step procedures. This can affect the sensitivity of the DAT test.

An hemolyzed sample or a blood sample drawn more than 12 hours could give you a negative result.

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

ALVEDIA
alice veterinary diagnostics