



Lab.Test DAT



CANINE PROCEDURE FOR DIRECT ANTIGLOBULIN TEST

Material provided :



10 DAT membranes



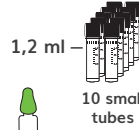
10 large tubes (5mL)



1 Wash Buffer



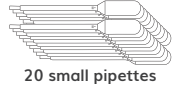
1 green top buffer



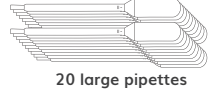
1,2 mL
10 small tubes



10 blood collector strips



20 small pipettes



20 large pipettes

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

Do not use Heparin.

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

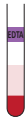
FOR RELIABLE RESULTS : USE FRESH COLLECTED BLOOD ONLY (< 12 HOURS)

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

PREPARATION

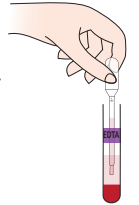
1

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



2

Using a **large pipette** Discard plasma



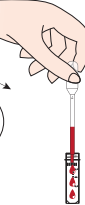
Discard pipette

3

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



3



Discard pipette

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



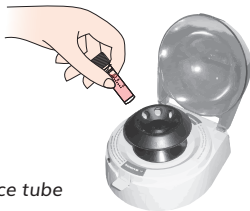
Mix the suspension 3 times minimum

6

Centrifuge

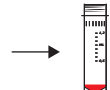
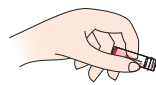
2 min

at 1000g



Don't forget the balance tube (not provided)

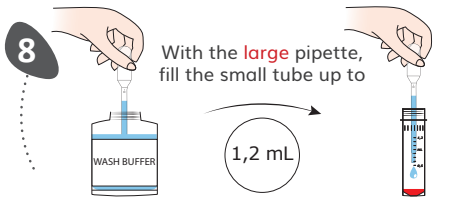
7



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

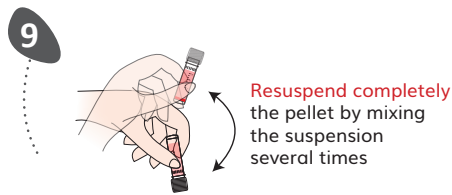
SECOND WASH

8 With the **large** pipette, fill the small tube up to 1,2 mL

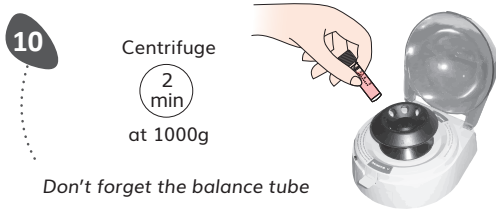


Keep the large pipette for 3rd wash.
To avoid contamination don't touch RBCs.

9 Resuspend completely the pellet by mixing the suspension several times

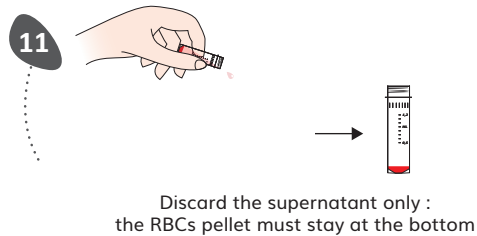


10 Centrifuge 2 min at 1000g



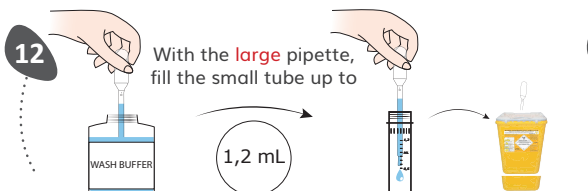
Don't forget the balance tube

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



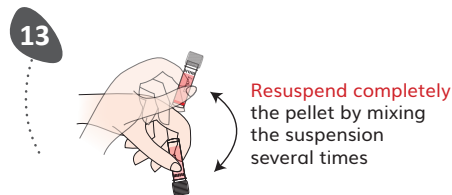
THIRD WASH (PROCEDURE TO AVOID DILUTION BEFORE TESTING)

12 With the **large** pipette, fill the small tube up to 1,2 mL

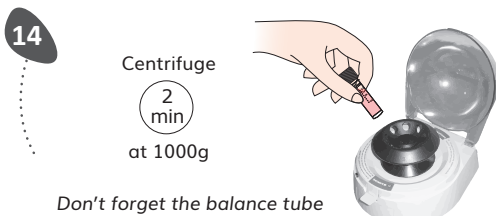


Discard the large pipette

13 Resuspend completely the pellet by mixing the suspension several times

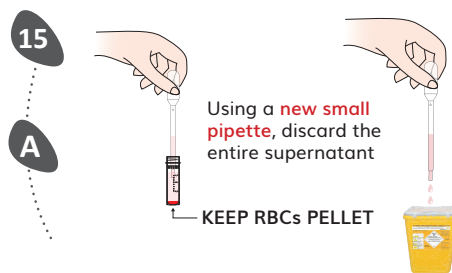


14 Centrifuge 2 min at 1000g



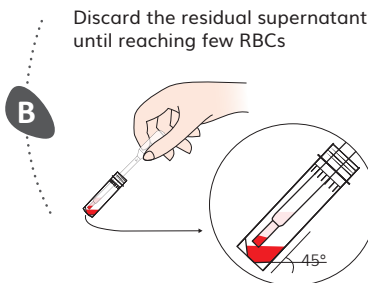
Don't forget the balance tube

15 Using a **new small pipette**, discard the entire supernatant

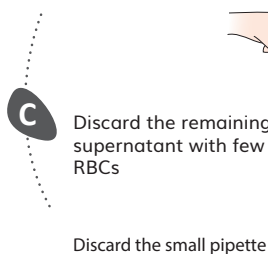


KEEP RBCs PELLET

B Discard the residual supernatant until reaching few RBCs

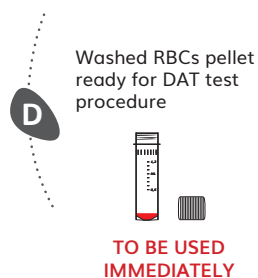


C Discard the remaining supernatant with few RBCs



Discard the small pipette

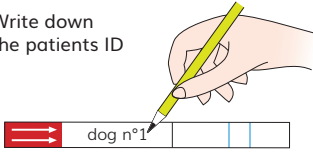
D Washed RBCs pellet ready for DAT test procedure

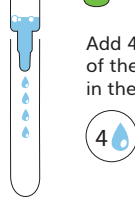


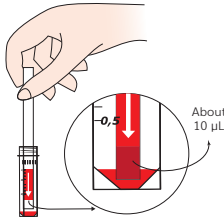
TO BE USED IMMEDIATELY

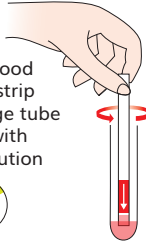
N°2 : DAT TEST PROCEDURE

- 1** Write down the patients ID

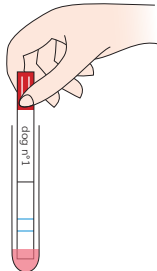

- 2** Add 4 drops of the green top buffer in the 5 mL large tube


- 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

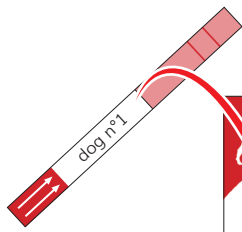


10s
- 5** Insert the DAT membrane


- 6** WAIT UNTIL COMPLETE MIGRATION

Up to 10 min


- 7**





Read the result at the end of the migration by sticking the membrane on the result form

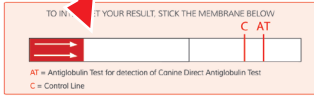
CANINE RESULT FORM
for Direct Anti-globulin Test (Coombs Test)

Lab.Test DAT

Date: _____
 Patient name: _____
 Identification code: _____
 Test performed by: _____
 Lab Test number: _____


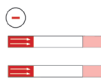
RESULT DAT + DAT -

TO INTERPRET YOUR RESULT, STICK THE MEMBRANE BELOW




AT = Antiglobulin Test for detection of Canine Direct Antiglobulin Test
 C = Control Line

INTERPRETATION OF RESULTS

<p>+</p>  <p>Weak lines positive result</p>	<p>-</p>  <p>Write lines negative result</p>
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In case of any other result, please take a picture and send us an email at: contact@alvedia.com
www.alvedia.com


 Form Alvedia - version 06/2021/001 - Small Series B

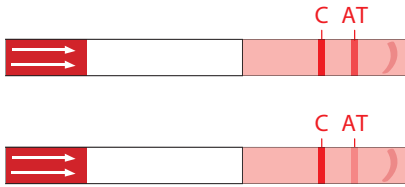
NOVEMBER 2021 - PRODUCT UPDATE

The control line and the AT line have moved down to allow a faster result (washed red blood cells are visious and could slow down the migration).

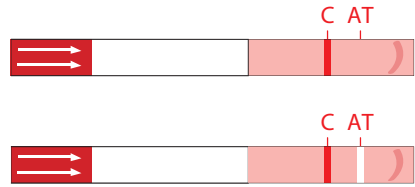


Lab. Test DAT

INTERPRETATION OF RESULTS



Weak line= positive result



White line= negative result

AT = Antiglobulin Test for detection of Canine Direct Antiglobulin Test

C = Control Line



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

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 Diagnostic