



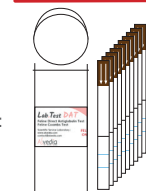
# Lab Test DAT

## Feline

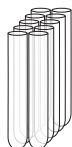


### FELINE PROCEDURE FOR DIRECT ANTIGLOBULIN TEST

Material provided :



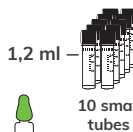
10 DAT membranes



10 large tubes (5mL)



1 Wash Buffer



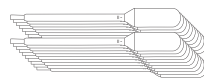
1 green top buffer



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

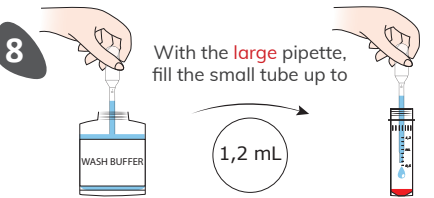
- 1** Centrifuge blood tube to separate RBCs & plasma (5 min at 1000g)
- 2** Using a **large** pipette Discard plasma
- 3** Using a **small** pipette collect pRBCs and transfer 3 drops in the 1,2 mL small tube

#### FIRST WASH

- 4** With a **new large** pipette, fill the small tube up to 1,2 mL
- 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

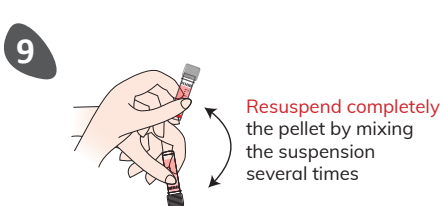
## SECOND WASH

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

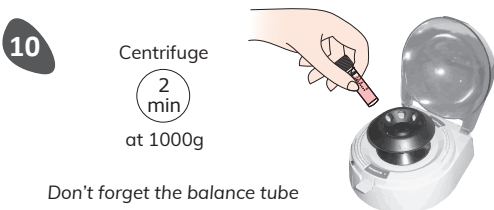


**Keep the large pipette for 3rd wash.**  
To avoid contamination don't touch RBCs.

**9** Resuspend completely the pellet by mixing the suspension several times

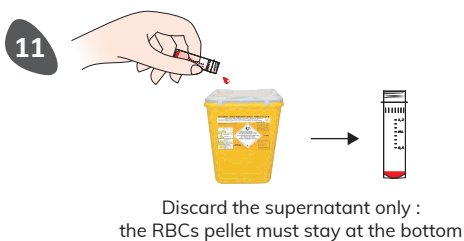


**10** Centrifuge 2 min at 1000g



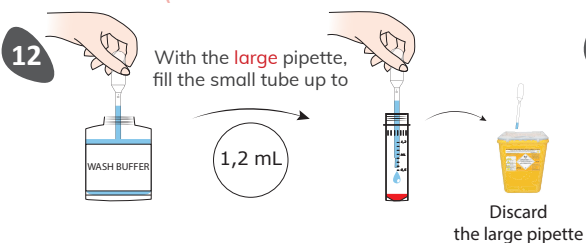
Don't forget the balance tube

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



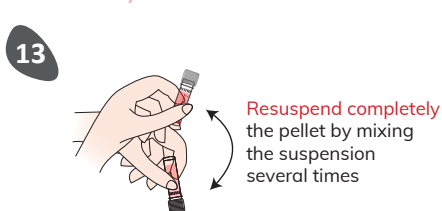
## THIRD WASH (PROCEDURE TO AVOID DILUTION BEFORE TESTING)

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

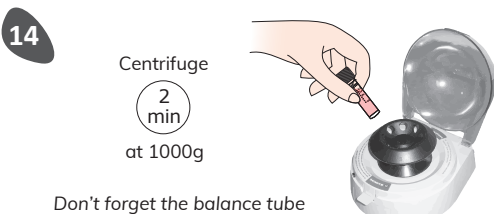


Discard the large pipette

**13** Resuspend completely the pellet by mixing the suspension several times



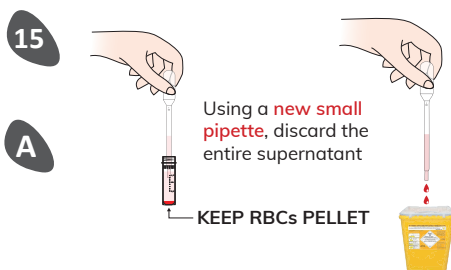
**14** Centrifuge 2 min at 1000g



Don't forget the balance tube

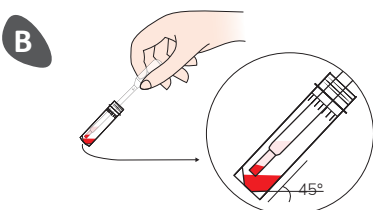
**15** Using a **new small pipette**, discard the entire supernatant

**A** KEEP RBCs PELLET



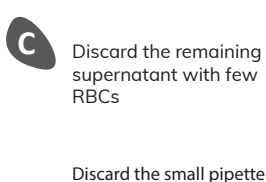
Discard the residual supernatant until reaching few RBCs

**B**



**C** Discard the remaining supernatant with few RBCs

Discard the small pipette



**D** Washed RBCs pellet ready for DAT test procedure

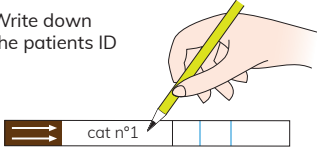
**TO BE USED IMMEDIATELY**



N°2 : DAT TEST PROCEDURE

1

Write down the patients ID



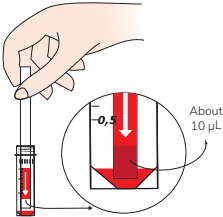
2



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

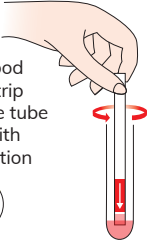
3

Collect the RBCs pellet with the blood collector strip



4

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



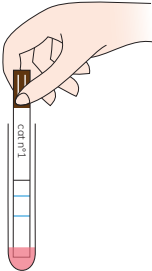
10s

Discard blood collector strip



5

Insert the DAT membrane



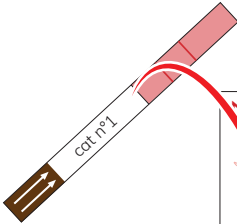
6

DO NOT READ RESULT AFTER 15 MIN



5 to 10 min

7



NEW FORM

RESULT FORM FELINE  
for Direct Anti-globulin Test (Coombs Test)  
**Lab Test DAT**  
*Feline*

Date : .....

Name/N° of donor : .....

Name/N° recipient : .....

Test performed by : .....

Lab Test lot number : .....

RESULT ☒ DAT + ☐ DAT -

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











































































































































































































































































































































































































































































































































































# Lab Test DAT

## Feline

### INTERPRETATION OF RESULTS



Weak line = positive result



White line = negative result

C = Control line

AT = Antiglobulin Test for detection of feline direct antiglobulin test



In case of any other result, please take a picture and send us an email at : [contact@alvedia.com](mailto:contact@alvedia.com)  
[www.alvedia.com](http://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](mailto:contact@alvedia.com)  
+33(0)478 380 239

**ALVEDIA**  
alice veterinary diagnostics

Procedure Alvedia - maj 01/09/2025 - Small Stories ©