



Blood Card Collection



Collection of blood using a blood card is a procedure that can be used for genomic, parentage or poll testing your flock. It is imperative that each blood sample is from an individual animal and free of contaminants, such as blood from other animals or humans, or foreign material. If the sample is contaminated the accuracy of the genotyping results may be compromised.

You will need:

- Cotton wools
- Hibitane or equivalent antiseptic
- Large box
- Rubbish bin
- Manicure Pliers (from chemist) or similar sharp implement. e.g ear notcher, side cutters or lancet.

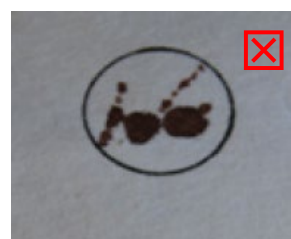
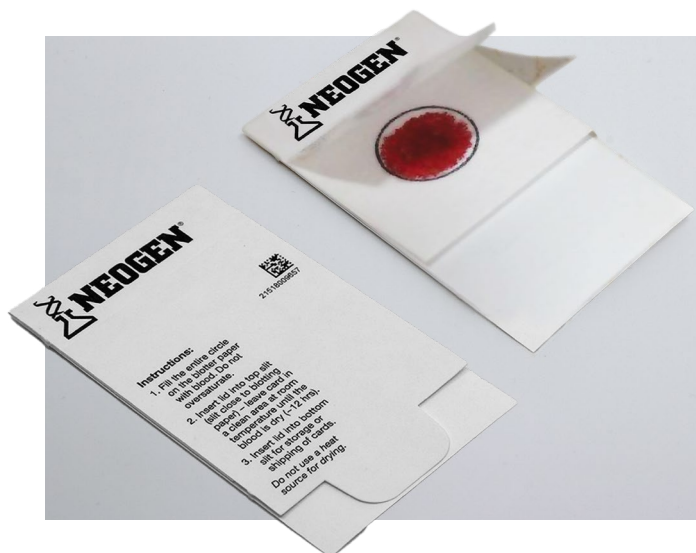
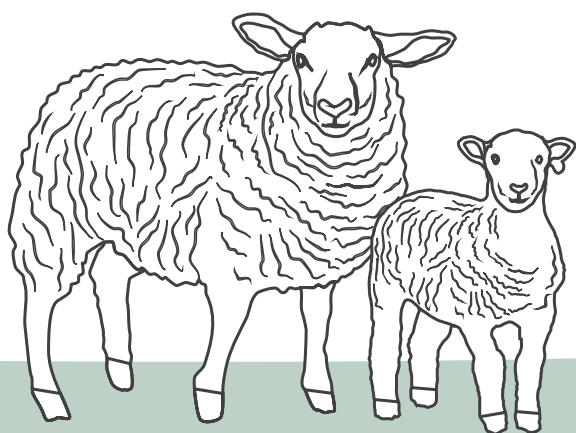
Important Information

- Follow the blood sample collection procedure
- Keep hands and fingers clean
- DO NOT bend the blood cards
- Avoid contamination of the cards and absorbent paper with any biological material such as dirt, faeces or blood from other animals.
- Ensure that there is sufficient blood on the blood card. however. do not flood the blood card as microscopic bacteria or fungi may grow on the blood sample

Recording information on cards

- Please provide the 16 digit ID if available or if not provide the Year of birth & tag number.
- Progeny - Please also provide the sex (M = Male or F= Female)

TIP: If you are a Sheep Genetics member, please provide the full 16 digit ID for parentage & poll tests.



The above images demonstrate the correct amount of blood for a sample to be processed. The image on the left is the correct amount of blood

Example

SHEEP GENOMIC TEST BLOOD CARD	
FRANK PASTORAL (Flock Name)	
5 0 7 6 5 4 (Breed)	(Flock Code)
2 0 1 3 (Year of Birth)	1 3 0 7 7 2 (Animal ID)
Please tick	
☐ (Sire)	☐ (Dam) ☒ (Progeny)
(Visual Tag)	
MALE / FEMALE (Barcode/Comment)	

SHEEP GENOMIC TEST BLOOD CARD	
FRANK PASTORAL (Flock Name)	
5 0 7 6 5 4 (Breed)	(Flock Code)
2 0 1 3 (Year of Birth)	1 3 0 7 7 2 (Animal ID)
Please tick	
☒ (Sire)	☐ (Dam) ☐ (Progeny)
(Visual Tag)	
(Barcode/Comment)	

Step 1 - Wash hands

Wash hands with clean soapy water or alcohol based hand rub and put on gloves



Step 2 - Clean ear

Choose an ear and clean the inside of the ear (near the base of the head) with a cotton wipe soaked in hibitane or equivalent antiseptic. Ensure the ear is dry and excess disinfectant removed.



Step 3 - Recording

Record the animal tag number on the blood card (see back page - Preparation of blood cards).

Step 4 - Cut ear

We suggest the following methods for blood collection. Please use the method suitable for your operation

- Make a cut using the manicure pliers halfway along the bottom edge of the ear with a 3mm cut. Ensure that the cut will give sufficient blood to fill the blood card.
- Take a V-shaped snip out of tip of ear. To encourage blood flow, fold the ear, palpate & squeeze blood and direct drops onto the card.



Step 5 - Collect blood

Firmly hold the ear and place the blood card up to the blood flow and collect enough blood to fill the circle on the absorbent paper.



- Ensure that the blood soaks through to the backside of the absorbent paper without flooding the card.
- DO NOT spot or blot blood onto the absorbent paper.
- DO NOT flood the absorbent paper.
- Avoid excessive use of hibitane
- Try to avoid sampling in extreme weather as hot weather can cause excessive bleeding and cold weather may reduce blood flow.

6 - Dry cards

Close the card by slotting the tab into the top slit and place the cards in a large box to dry away from direct sunlight



Note: If the sample gets wet it could be compromised by contamination of microscopic mould or fungi and genotyping may fail.

Step 7- Flatten & pack cards

Once dry,

- Flatten the cards
- Separate into groups of sires, dams & progeny
- Bundle groups together with rubber bands & label
- Repack into the original boxes with a silica gel in each box.

Step 8 - Complete DNA order

- Complete the Sheep Submission and Sample ID forms

Step 9 - Post

Post the blood cards with the completed Sample ID form to:

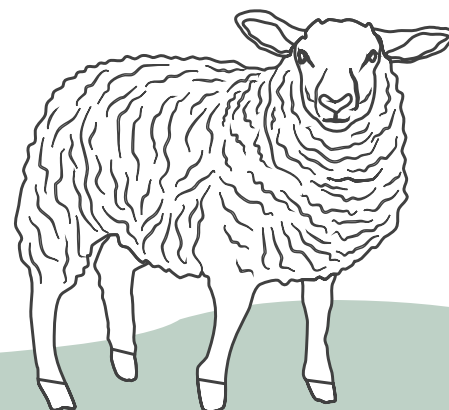
Neogen Australasia

14 Hume Drive, Bundamba, QLD 4304

Contact number: (07) 3736 2134

Step 10 - Verify & payment

Once your samples have been received & checked by the Sheep DNA office, you will be sent an email verifying our samples and requesting payment for your tests Note: DNA samples will not be sent for analysis until payment is received.



Reveal your flock's potential – Contact us today to find out more!

LK00119



sheepdna.com.au | 07 3736 2134 | naa-lab@neogen.com | 14 Hume Drive, Bundamba QLD 4304