

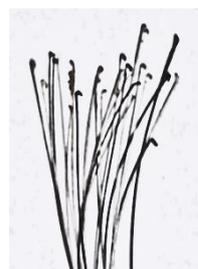
Instructions for Hair Sample Collection from Cattle for DNA Extraction

Quality samples are the key to getting good DNA from your cattle. A quality sample of hair is taken from the tail and has the follicle, or root, still attached to the hair. Tail hair is preferable to coat hair due to the size of the root ball that is extracted from the tail versus the coat. The sample must not be excessively dirty and contain 40-60 hairs.

- 1.) Gather 40-60 hairs and grasp them tightly as close to the skin as possible with hands or pliers. As an animal gets older the hairs become harder to remove so the use of pliers often aids in removal



- 2.) Pull the hair slowly and firmly away from the tail making sure to get the roots.



Close up of hair roots

- 3.) **[Optional if you have been provided hair cards]** While making sure to keep the roots clean, open the hair card and peel the plastic cover away from the white backing



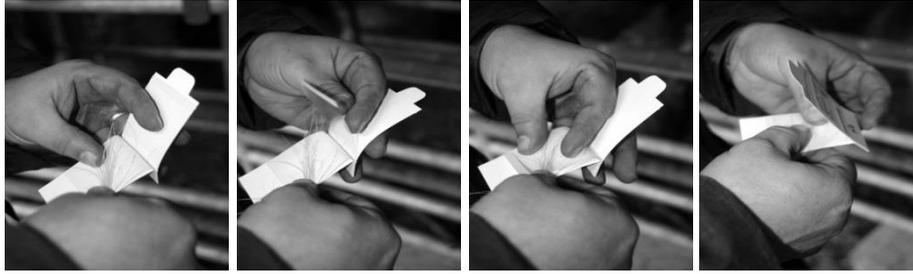
Open card



Peel back plastic cover



- 4.) **[Optional if you have been provided hair cards]** Place the hair roots in the centre of the card and seal the plastic cover smoothly over the top of the hair follicles



After sealing the plastic cover, avoid re-opening the plastic cover, if possible.

- 5.) **[Optional if you have been provided hair cards]** Trim excess hair from the outside of the card or bag. Close the collection card, insert the tab into the slot.
- 6.) Place the hairs or hair sample card into the resealable bag provided. Seal the bag tightly, and **please only put 1 card or animal sample in each bag.**



- 7.) Samples should be placed in the provided bag, sealed and sent immediately to Weatherbys Scientific in the accompanying addressed envelope avoiding prolonged exposure to direct sunlight. Record the animal's details including name, tag number (if available), test required and "WSS" sample number we have assigned to the sample. Pre-printed, barcode labels and bags are available from Weatherbys Scientific for a small charge. Contact our customer service for this service.
- 8.) Samples should be sent to:

Sample Receipt
Weatherbys Scientific,
Irish Equine Centre,
Johnstown, Co. Kildare
W91 RH93

- 9.) If you have any questions we are here to support you:

Phone + 353 (0)45 875521 (9:00am to 5:00pm, Monday to Friday, UTC+0:00)
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Web WeatherbysScientific.com/contact-page

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