

Instructions for sampling hair for DNA-typing

The following sampling material is included:

Plastic zipper bag. One plastic bag must contain hairs from only one single horse.

Piece of cardboard and adhesive label. Name of horse and its registration number should be written on the label. The label is used to fix the hair on the piece of cardboard (see picture below).

ID-form should be filled out thoroughly and readable. Also note who should receive typing results as well as bill if different from the owner of the horse. The form should be signed by the person taking the sample, to ensure that the correct horse has been sampled.

Horses that will be registered in ASVH or SIF do not need this form to accompany the DNA sample. Please follow the instructions from the registry of your breed in this matter.

Sampling instruction:

Sampling area should be clean from dirt and loose hairs. Hairs must **not** be wet, dirty or contain any shampoo. Material (i.e. hair, dirt etc.) from another horse must not come in contact with the sample.

The hair sample is taken from the horse's **tail**. Hairs should be pulled out in a way so that hair **roots** come out. **Hairs cut off by a pair of scissors are not possible to use.**

Grasp **20-30 hair shafts** close to the skin and pull in one swift, downward motion. Examine the end of hair shafts for presence of root bulbs. Hair roots are necessary for DNA testing. If the majority of hair strands lack root bulbs, discard hair and redo the sampling procedure. Do not send hair without visible root bulbs.

Put hairs on the cardboard as shown in the figure below. The roots should protrude about ½-1 cm outside the edge of the cardboard. Fix the hairs using the adhesive label. Cut off hair extending outside the cardboard on the side **without** hair roots. Put sample in the plastic zipper bag with the hair roots facing the zipper end, and close the bag. Hair roots **must not** protrude outside the closed plastic bag! Several plastic bags can be sent in the same envelope.

Incorrectly fitted samples entail extra work load and will be charged with an additional cost.

Samples are sent to the following address:

Husdjursgenetiska Laboratoriet
SLU
Box 7023
SE-750 07 Uppsala, SWEDEN

In case of questions please call:
+46-18-67 28 04 (Mo-Fr 12.00-13.00)
or E-mail: hgenlab@slu.se.

