

Sample Collection Instructions: Hair sample for horses

Hair Sample Collection

- 1 DNA can be isolated from the follicle (root) attached to the end of hair that has been plucked. Pull **60 to 80 hairs** from the mane and/or tail of the horse, making sure that there is a **follicle** attached to the end of each.
Important: The hair must be pulled out - please do not cut! (see pictures below)! When removing the hair, no care products such as mane spray, cream etc. should have been used beforehand. If this is the case, only remove the hair after you have not used any care products for approx. 4 days. or wash the hair with clear water before removing it. Only remove the hair when it is dry.
- 2 The hairs should be taped onto the designated area of the sample card using the enclosed adhesive strip. Make sure that the adhesive strip does not touch the hair roots.
- 3 **Label the sample card according to the specifications.**
Several samples can be sent in one envelope, but each sample must be packed in a separate sealable bag. It is not necessary to refrigerate the samples.
Important: Please make sure that samples from different horses do not come into contact with each other. I am aware that the hair must be submitted as described in the attached instructions for processing.



The thicker part at the end of the hair are the hair roots. These can be white or black.



Prepared sample card: Please fill in the fields with your data.

- 4 Optional: If the test results are to be officially recognized (by a breeding organization or for the purpose of selling or breeding the horse), the sample must be taken by a veterinarian who can confirm the horse's identity as a witness. This requires a stamp and signature of the veterinarian as well as the indication of the microchip (preferred) and/or the life number of the horse. If the test results are for your own use, a witness is not required. The witness statement must be recorded on the enclosed submission form.

Shipping Instructions

Please pack the sample card in the enclosed envelope. Place it in the enclosed return envelope. Please include your correct return address. Please put sufficient postage on it.

For samples sent to us from outside the EU, please complete form CN22 (available at any post office) and stick it to the outside of the envelope. Please enter the VAT number in the field for VAT or EORI number: DE2160 3853 9402 593. Please do not send by courier. Further information on sending samples can be found here:

www.generatio.de/en/information/sample-shipment

Testing Process and Results

Processing of the sample begins immediately after receipt of the sample. You will receive an automatic notification as soon as we have received the sample.

You will receive the results by e-mail and they will also be available in your account.

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Test results in the digital animal file

- 1 Log in to your secure online animal data account, the „Animal Trust Center“:

atc.generatio.de/en

Here you complete the missing information about your animal, which will later appear on the findings and certificates.

The screenshot shows the 'General' section of the 'Baroness' animal profile. The 'Base data' section is active, showing fields for 'Call Name' (Baroness), 'Species' (Horse), 'Race', 'Sex', 'Born', and 'Deceased'. There are also options for 'For hybrid breeding', 'Born' (with a 'No date selected' checkbox), and 'Deceased' (with a 'No date selected' checkbox). A 'Change picture' button is visible next to a horse icon, and a 'Select image' button is below it. The interface includes a navigation menu on the left and a 'Cart' icon at the top right.

Complex characteristics

Article name	Test name	Marker name	Allel 1	Allel 2	Explanation	
MIM-6 Var. (prev. "PSSM2")	Certificate	P2	MYOT	n	n	Show
		P3	FLNC	n	n	Show
		P4	MYOZ3	n	n	Show
		Px	CACNA2D3	n	n	Show
		P8	PYROXD1	n	n	Show
		K1	COL6A3	n	n	Show

- 2 Once your horse sample has been processed, you will receive an automatic e-mail with your results.

Further questions:

Do you have any questions about your results or sample shipment?

Please contact us at: support@generatio.com



In addition, we have compiled a selection of answers to the most frequently asked questions on our website: www.generatio.de/en/faq