

## CAG Sample Collection Instructions

Check with your breed club or registry to determine if a veterinarian must do the sampling for the results to be accepted. If necessary, have the veterinarian sign and stamp the area on the sample submission form.

### Blood Collection – Horse, Dog, Cat

Blood samples can be submitted for any of the genetic tests. Have your veterinarian draw 0.5-1 mL of blood into an EDTA blood tube (also known as "purple-top tubes"). The blood must not clot. If shipped within 1-2 days after collection, blood does not need to be refrigerated, but should not be exposed to direct heat or direct sunlight.

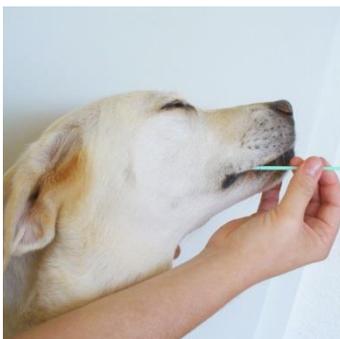
Clearly label the tube with the animal's name and the owner's last name. Put into a zip-top bag to ensure that there will be no leakage, and include the Sample Submission and Order Form and Client Information form in the package when shipping. Blood samples should be received within 2-3 days after collection. Samples may be returned via regular mail (international customers please use airmail).

### Buccal (Cheek) Swab – Dog, Cat

To avoid DNA contamination, keep the animal being tested separate from other animals and do not feed them for at least 2 hours prior to sampling. It is recommended that pups not be swabbed until they are weaned.

Label each swab package with the information indicated on the package: the date, and the CAG Animal ID and CAG Client ID if known, or the names of the animal and owner.

1. Open the swab envelope far enough to grasp the handle and remove the swab, without touching the swabbing surface.
2. Place the swab between the cheek and gum of the animal being tested.
3. Rub the swab firmly against the inside surface of the cheek for **at least 20 seconds** to collect cheek cells (not saliva).
4. Allow the swab to dry for approximately two minutes. Place the swab back in the original package and repeat with the second swab.
5. Tape the end of the swab package to secure the swabs (a sticker is included in the collection package for your convenience).
6. Samples do not require refrigeration and can be returned via regular mail (international customers please use airmail).



Example of dog being swabbed.



Example of cat being swabbed.

## Hair Collection – Horse

DNA can be isolated from the follicle attached to the end of hair that has been plucked. **Pull** 30 – 40 hairs from the mane and/or tail of the horse, making sure that there is a follicle (root) attached to the end of each. Hair **must** be pulled and not cut.

CAG has a free Hair Collection kit available to order, or hair may be taped to a labeled piece of paper (with the tape NOT touching the follicle) and inserted into a zip-top bag or envelope. Only one sample should be in each bag or envelope. The paper should be labeled with the date sampled, the CAG Animal ID and CAG Client ID if known, or the names of the animal and owner.

Samples do not require refrigeration and can be returned via regular mail (international customers please use airmail).



Example of plucked horse hair; the roots are white spots at the ends of the hair.

Hair taped to collection form, inside zip-top bag for shipping.



## CAG Shipping Instructions

Sample collection and shipping kits can be requested free of charge at +49 7071 565 44 850, via email at [info@centerforanimalgenetics.com](mailto:info@centerforanimalgenetics.com) or by using the contact form on our website. Client information and Sample Submission Forms can be downloaded from our website.

Samples may be sent through regular mail within Europe; international orders should be sent airmail. If a sample is being submitted from outside of the European Union, please fill out the CAG non-EU Sample Shipping Form and attach it to the outside of the shipping envelope.

Please ensure that the sample(s), and forms are all included in the package.

All samples should be collected per the sample collection instructions and returned in the provided envelopes. Multiple samples may be shipped in the same package.

The shipping address is: CAG GmbH - Center for Animal Genetics  
Paul-Ehrlich-Str. 23  
D-72076 Tuebingen  
Germany

Processing will start as soon as samples are received at CAG. Most tests take approximately 7-10 days to complete, but rush orders may be possible. An invoice will be sent by email, and payment can be made by bank transfer or credit card. Upon receipt of full payment, the results will be sent as pdf by email to the party indicated on the Order Form