



APPLICATION FOR CATTLE SNP GENOTYPE TESTS

NB. For breeds not registered with CLRC, please attach a copy of the animal's certificate. If the animal is not registered, please attach a copy of the certificates for all possible registered parents.

Basic SNP Parentage Panel (cannot be used for Genetic Evaluations) [ ] OR

All include Parentage - 26K Panel [ ] 50K Panel [ ] High Density Panel (130K) [ ]

Parentage Verification: Both Parents [ ] Sire Verification Only [ ] Dam Verification Only [ ]

Other Tests: DNA [ ] Speckle Park tests (Myostatin, Polled, & Coat Colour) [ ] DS [ ] PHA [ ]

Other (Specify) \_\_\_\_\_

Sample Type (select one) Hair [ ] Blood [ ] Semen [ ] Other, please specify \_\_\_\_\_

Breed: \_\_\_\_\_

Animal Name: \_\_\_\_\_ Regist # \_\_\_\_\_

If not registered, specify the association you will be registering the animal with \_\_\_\_\_

Sex: Male [ ] Female [ ]

Tattoo: \_\_\_\_\_ Microchip \_\_\_\_\_ Ear Tag \_\_\_\_\_

Date of Birth (day) \_\_\_\_\_ (month) \_\_\_\_\_ (year) \_\_\_\_\_

Table with 4 columns: Possible Sires/Dams to be checked Names, Regist. #, Check if SNP Profile completed, SNP Case # (if known). Includes rows for sires and dams.

Name of Applicant \_\_\_\_\_ ID No. \_\_\_\_\_

Address: \_\_\_\_\_ Town \_\_\_\_\_

Province/State \_\_\_\_\_ Postal/Zip Code \_\_\_\_\_ Country \_\_\_\_\_ -Phone # \_\_\_\_\_

Please forward this form with the fees to CLRC. Refer to your association fee schedule for the current fees and the association regulations for the SNP/DNA requirements. Certain sample types may not be accepted by the lab depending on the species of animal.

HAIR SAMPLES MAY NOW BE SUBMITTED TO CLRC WITH THIS FORM for testing at Neogen Canada. SEE REVERSE FOR INSTRUCTIONS.

If a Hair Sample is not enclosed, send the kit to me by: [ ] Mail, or [ ] Fax # \_\_\_\_\_ or [ ] E-Mail - My E-Mail Address \_\_\_\_\_

**N.B.** In order to save time, Hair samples may now be submitted with this application **if the testing is to be done at Neogen Canada, Edmonton, Alberta**. CLRC will then forward the sample directly to the lab with the appropriate forms and information required by the lab. **Please do not send the sample with this application if you need to send blood, semen or other types of tissue or if the testing will be done at a lab in the United States or other foreign country.** Wait for your kit to arrive and send the DNA sample directly to the lab in order to minimize spoilage.

### **Instructions for Collecting a Good Hair Sample**

1. Clean the tail switch. Collect the hair from the tail switch only. Dirt, manure, urine and other foreign material will make the hair sample unfit for testing.
2. Secure 35 to 45 hairs from the tail switch with pliers or around your finger. Do not clip. Pull hair sharply up towards the animal (against the grain). The hair follicles (translucent bulbs) on the end of the hair shaft must be present for successful testing. If hair follicles are small or hard to see, repeat the procedure and combine the hairs. **Additional hair follicles will be needed if you are requesting multiple tests in addition to parentage verification or if both SNP and DNA Microsatellite tests are needed.** Put hair follicles together and wrap tape around the hair to secure approximately 2 inches from the hair follicles. Do not curl the hair in the bundle. The hair bundle may be trimmed to 3 to 4 inches in length but be sure to retain the end with the hair follicles.
3. Put the hair sample from one animal inside a paper envelope and seal it prior to sampling the next animal. Do not use plastic Ziploc bags. Make sure to write the identity of the animal on the envelope including the name, tattoo, ear tag and registration number, if any. This will make sure we can match your hair samples with your application forms.