



## CSA DNA REQUIREMENTS

**It is your responsibility to ensure your animals have the appropriate tests on file with the CSA office:**

- Natural Services Sires require a 100K (minimum) tested by GOF (Genotype on File).
- AI Sires require to be 100K (minimum) Parentage tested (confirmed to both sire and dam.).
  - Dam must have SNP DNA on file prior to submitting SNP test on AI sire. If not, order a basic SNP test for dam and send samples together so lab can complete PV test on bull.
- Donor Dams require a 100K (minimum) tested by GOF (Genotype on File).
- Embryo Transplants must be PV tested (parentage test confirmed to both sire and dam) by basic SNP panel (minimum) in order to register the animal.
- Basic SNP tests – animals which were tested by basic SNP will need to be tested again (with new sample) by 100K or greater SNP test in order to qualify as an AI sire, herd sire, or donor cow.

**It is your responsibility to ensure the bulls you purchase have the required DNA on file (as above).**

- If your purchased bull becomes an AI Sire, make sure that his dam has DNA on file in advance, or that there is stored hair for full parentage verification. Without parentage verification to both Sire and Dam your bull will not qualify as an AI sire.
- Please be aware that the office will test all samples to the fullest extent possible. This means if the animal’s sire and dam have DNA on file, the sample will be tested to the fullest parentage extent.

The following **\*Type of Test\*** codes appear on the front of the registration certificate.

- \***GOF** – Genotype on File (minimum requirement for natural service sires)
- \***PCS** – Parentage Confirmed to Sire
- \***PCD** – Parentage Confirmed to Dam
- \***PCB** – Parentage Confirmed to Both Sire & Dam (minimum requirement for AI bulls)

### LAB TEST TYPES

### FEES (plus taxes – please add applicable GST/HST)

Basic SNP Panel (200 SNP)	\$ 20.00 - (MBV) Multiple Bull Verification
<b>100K (replaces 50K)</b>	<b>\$ 45.00 - AI Sires, Natural Service Sires, Donor Dams</b>
100K, Horned/Polled	\$ 55.00
100K, Coat Color (homozygous black)	\$ 50.00
100K, Coat Color Dilutor	\$ 50.00
100K, Horned/Polled, Coat Color(homozygous black)	\$ 62.00
100K, Horned/Polled, Coat Color Dilutor	\$ 62.00
100K, Red Charlie	\$ 62.00
Microsatellite	\$ 25.00
Genotype Reconstruction (per sample)	\$ 50.00
Coat Color (homozygous black)	\$ 16.00
Coat Color Dilutor	\$ 16.00
Horned/Polled	\$ 30.00
Horned/Polled, Coat Color (homozygous black)	\$ 38.00
Horned/Polled, Coat Color Dilutor	\$ 38.00
Red Charlie	\$ 30.00
Freemartin	\$ 30.00



## **DNA TEST REQUESTS**

### **Online Simmental.com Instructions**

#### **From the My Herd menu select My Lab – My Lab Test Requests**

- This will list all the current lab test requests that have been entered into the system either via the office or online.
- From here you can also link to the animal page to look for the results (View) link or use the (Print Kit) link to print the lab test request form.
- The list can also be filtered by entering an ID into the Quick Search box.

#### **To Create a New Test Request**

- Click the Add button at the bottom of the form.
- The Add screen will let you create a lab test request on multiple animals at once, providing the same test is requested on all the animals. E.g., if you want to test 10 animals for HP, then add all 10 animals to the list using the Add animal section or just indicate one animal for a single test.
- Select the test required.
- Select the Parentage option - PV, SV, etc. (It is recommended to always select PV so sample is tested to the fullest extent possible. This means if the sire and dam have DNA on file, your test will be PV verified).
  - **Natural Service Sires require a 100K test genotype on file.**
  - **AI Sires require a 100K Parentage (PV) test (confirmed to both sire and dam).**
    - **Ensure dam has SNP DNA on file prior to submitting test on AI Sire. If not, order a basic SNP DNA test for dam and send both samples together so lab can complete PV on bull.**
  - **Donor Dams require a 100k test genotype on file.**
  - **Embryo transplant calves require a basic SNP Parentage test (confirmed to both sire and dam).**
- Select the Source of the sample. Either “Kit being sent in” or “Profile already at the lab”.
- Select which account to bill (Master or Associated herds are shown).
- Click the Create Test button to create the test requests.
- Once the tests have been created the Print Forms button and the New Test button will appear. The Print Forms button allows you to print all the forms for this batch of animals in one report. If you chose to print the forms later, they can be printed individually using the Print Kit option from the previous screen (My Lab Test Requests). Ensure Lab Test forms are printed one per page.
- The New Test button allows you to start a new test.
- The Clear List button clears the animals list.
- The Exit button returns you to the My Lab Test Request screen.

**PLEASE NOTE: Contact the CSA office to order any tests not listed on the drop-down menu, including multiple sire test requests.**

**Contact the CSA Office to order a supply of hair or blood cards, or TSU’s.**

**Mail Samples with corresponding lab forms to:  
NEOGEN CANADA  
7323 Roper Road NW  
Edmonton, Alberta T6E 0W4**



### List of Online System DNA Tests

<b>Standalone Tests</b>	<b>What I want to do</b>	<b>Required</b>	<b>Used In EPD</b>
Basic SNP Panel (200 SNP)	For sorting parentage in multi-sire pastures; ET calves parentage verification	Sire sort progeny from multi-sire mating	No
GGP 100K	Test for Parentage and include in Genomically Enhanced EPD	Minimum for Walking Sires, AI Sires and ET Dams. Can be used to Sire sort progeny from multi-sire mating.	Yes
Coat Color Homozygous Black	Test for Homozygous Black		No
Coat Color Dilutor	Test for presence of dilutor gene		No
Red Charlie	Test for presence of Red Charlie gene		No
Horn/Poll	Test for homozygous polled		No
<b>Combo Tests</b>	<b>What I want to do</b>	<b>Required</b>	<b>Used In EPD</b>
100K, Horn/Poll <b>COMB 1</b>	Test parentage and homozygous polled and included in GE EPD	Meets minimum for Walking Sires, AI Sires and ET Dams. Can be used to sire sort progeny from multi-sire mating.	Yes
100K, Coat Color (homozygous black) <b>COMB 2</b>	Test parentage and homozygous black and included in GE EPD		Yes
100K, Horn/Poll, Coat color (homozygous black) <b>COMB 3</b>	Test parentage and homozygous polled and homozygous black and included in GE EPD		Yes
100K, Coat Color Dilutor <b>COMB 4</b>	Test parentage and for absence of dilutor gene and included in GE EPD		Yes
100K, Horn/Poll, Coat Color Dilutor <b>COMB 5</b>	Test parentage and homozygous polled and absence of dilutor gene and included in GE EPD		Yes
100K, Red Charlie <b>COMB 7</b>	Test parentage and for the Red Charlie gene and included in GE EPD		Yes
Horn/Poll, Coat Color (homozygous black) <b>COMB 6</b>	Test for homozygous polled and homozygous black		No
Horn/Poll, Coat Color Dilutor <b>COMB 8</b>	Test for homozygous polled and absence of dilutor gene		No