



The following forms are the sample submission forms for the National Genotyping Survey. All forms **must** be completed and sent in with samples to the chosen lab. Please read all instructions prior to sending samples into the lab for analysis.

The program accepts samples from registered purebred sheep and/or unregistered offspring of two purebred registered parents.*

The program will be accepting samples until December 16, 2008. Samples completed after December 16, 2008 will not be eligible for project funding.

- For producers genotyping **registered* purebred animals**, please fill out and send in **FORM #1** and **FORM #2**.
- For producers genotyping **unregistered offspring of two registered* purebred parents (of the same breed)**, please fill out and send in **FORM #1** and **FORM # 3**.
- For producers genotyping both **registered* purebred animals** and **unregistered offspring of two registered* purebred parents (of the same breed)**, please fill out **FORM #1**, **FORM # 2** and **FORM # 3**.

**Animals must be registered through the Canadian Livestock Records Corporation (CLRC).*

PLEASE NOTE: Any blood samples sent to the lab without the completed sample submission forms will be charged to the producer at full price (\$30/sample).

If you have any questions or require further information, please contact the Scrapie Project Coordinator:

COURTNEY DENARD
130 Malcolm Rd
Guelph, Ontario
N1K 1B1
Toll-Free: 1-866-534-1302
Phone: 519-372-9030
Fax: 519-372-9261
Email: admin@scrapiecanada.ca
www.scrapiecanada.ca

National Survey of Scrapie Genetics in Canadian Purebred Sheep Sample Submission Information- FORM # 1

Producer Information				
Owner & Farm Name:		RR or Street Address:		
Flock Tattoo Letters:				
City:	Province:	Postal Code:	Telephone #	E-mail:
			Fax #	

A. Payment (\$10/sample + GST& PST (if applicable) payable to the lab analyzing the samples):

- Cheque or money order enclosed
- Credit Card: Card Type: Visa Master Card Other:

Name on Card (please print):

Number:

Expiry Date:

B. Total # of sheep and lambs tested?

C. How would you like to access your lab results?* Please check only one:

View on the National Sheep Genetics website (<http://genenovas.ca>)

Sent to veterinarian: Fax Or Canada Post

Sent Direct to Owner:

Canada Post

Fax

Email (Type of file): Excel Or Text

Veterinarian Information		
I certify that I have taken the samples listed from the animals described on the date and the location shown		
Flock Veterinarian (Print Name):	Address of Veterinarian:	Sampling Date:
Flock Veterinarian (Signature):		Telephone:
		Fax:
		E-mail:

National Survey of Scrapie Genetics in Canadian Purebred Sheep
Sample Submission Form- FORM # 3
UNREGISTERED OFFSPRING OF TWO PUREBRED REGISTERED PARENTS

Owner & Farm Name:	Telephone Number:	Sampling Date:
Flock Tattoo:		

Farm Use	Laboratory Use
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CSIP Eartag / Tattoo	SIRE and DAM CLRC Registration Number (Please Provide Both)	Information on TEST SUBJECT	Vial No.	Sample/ Case No	Results		
Test Subject		Birth Date: (dd/mm/yr)			Codon 136	Codon 154	Codon 171
Sire		Sex (M/F):					
Dam		Breed:					

Test Subject		Birth Date: (dd/mm/yr)					
Sire		Sex (M/F):					
Dam		Breed:					

Test Subject		Birth Date: (dd/mm/yr)					
Sire		Sex (M/F):					
Dam		Breed:					

Test Subject		Birth Date: (dd/mm/yr)					
Sire		Sex (M/F):					
Dam		Breed:					

Test Subject		Birth Date: (dd/mm/yr)					
Sire		Sex (M/F):					
Dam		Breed:					

Test Subject		Birth Date: (dd/mm/yr)					
Sire		Sex (M/F):					
Dam		Breed:					

I wish to share my contact information with other breeders who are participating in the National Genotyping Survey

Laboratory Use Only

Date Received:	Date Reported:	Comments:
Tested by (Print Name):	Tested by (signature):	

National Survey of Scrapie Genetics in Canadian Purebred Sheep

-Blood Sampling Procedure-

Notes for Veterinarians

- Take one blood sample from each sheep using a 7 or 10 ml **purple capped (EDTA)** vacutainer. Ensure that the expiry date of the vacutainer has not passed.
- Immediately after collecting the blood invert each tube several times to mix the EDTA and blood.
- Use sequential numbers (1, 2, 3, etc.) to identify each vial using a permanent marker. Make sure that the vial number is easily legible (e.g. not covered with blood). To help ensure the accuracy of the vial identification during analysis, also include the animal tag or tattoo number.
- Enter vial number (1,2,3, etc.), animal identification number (tag and/or tattoo) and registration number (or registration number of the offspring's sire and dam) on the form provided.
- Avoid cross contamination of blood samples between animals. Use a new needle for each animal.
- Cool tubes as soon as possible. Do not freeze the samples.
- When sampling is complete, make sure that:
 - samples are not clotted
 - vial and animal ID on form match the vial and animal ID on tubes
- Transport tubes in a styrofoam box with frozen ice-packs within 24 h of collection.
- Samples should be delivered or sent by courier to one of the testing laboratories listed below.

Notes for Sheep Breeders

The following sheep are eligible for genotyping under the program:

- 1) Sheep registered with the Canadian Livestock Records Corporation (CLRC). **The registration number of each animal must be included on the sampling form.**
- 2) Unregistered offspring of 2 CLRC registered purebred parents (of the same breed). Producers must submit one of the following two pieces of information:
 - **The registration number of the sire and the dam. The birth date, sex and breed of the test subject. And either a tattoo number or a Canadian Sheep ID Program tag number;**

OR

 - **A fully completed application for CLRC registration.**

SAMPLES WILL NOT BE ANALYZED IF ANY OF THIS INFORMATION IS MISSING

- Payment of \$10/sample (plus GST and PST) **must** be sent to the lab at the time of sample submission (payable to the lab).
- Invoices for veterinary services including supplies, call fee and shipping costs must be submitted to the Canadian Sheep Federation (130 Malcolm Road, Guelph, Ontario, N1K 1B1). With the submission of all relevant invoices within 90 days of sample submission you will be reimbursed 70% of the vet fees (up to

\$6/sample) and 50% of the shipping costs.

- All genotype results will be incorporated into the National Sheep Genetic Database, which can be viewed at a secure and password-protected website (<http://genenovas.ca>). Participating producers will be notified of their individual user ID and password. Owners will have access, via the internet, to information on their own sheep flock within the database. Results from individual farms will not be made public.
- Checking the **"I wish to share my contact information with other breeders"** box on **FORM 3** will allow other breeders who are looking for genotyped sheep of a certain breed to see the contact information that you have provided to CLRC. This search feature will be added to the GeneNovaS website once a significant number of breeders have checked this box. Your decision to share your contact information can be revoked or re-enabled on the GeneNovaS website.
- In the event that discrepancies are found between parental and progeny genotypes when comparing current samples to database information, the samples will be retested at the lab. If results of the second analysis are still questionable, producers will be advised, but not required, to re-sample the animal in question. Costs for re-sampling and analysis will be covered by project funding **IF** available at the end of the project. If producers require the information sooner they will be required to pay associated costs.
- Most discrepancies result due to incorrect animal identification at the time of sampling. Taking extra time to ensure ID's are recorded accurately will decrease problems with mismatching data.

Codes For Sheep Breeds

BC	Border Cheviot	FN	Finnish Landrace	PE	Perendale
BL	Border Leicester	HL	Hexham Leicester	PO	Polypay
BO	Booroola Merino	HS	Hampshire	RG	Rambouillet
BW	Black Welsh Mountain	IF	Ile de France	RI	Rideau Arcott
CD	Canadian Arcott	IL	Icelandic	RL	Ryeland
CF	Clun Forest	JA	Jacob	RM	Romnelet
CL	Columbia	KA	Katahdin	RO	Rouge de l'ouest
CN	California Red	KH	Kerry Hill	RV	Romanov
CO	Charollais	KK	Karakul 29	RY	Romney
CP	Coopworth	LE	English Leicester	SC	Scottish Blackface
CR	Corriedale	LI	Lincoln	SL	Shetland
CU	Lacaune	LY	Barbados Black Belly	SR	Shropshire
CW	Cotswold	MM	Merino	ST	Southdown
DC	Berrichon du cher	MP	Polled Merino	SU	Suffolk
DH	Horned Dorset	MT	Montadale	SX	St. Croix
DL	DLS	NC	North Country Cheviot	TA	Targhee
DO	Dorper	NL	Newfoundland Local	TU	Tunis
DP	Polled Dorset	OU	Outaouais Arcott	TX	Texel
DY	Drysdale	OX	Oxford	ZZ	Other Breed 58
EF	East Friesian (Friesland)				

National Survey of Scrapie Genetics in Canadian Purebred Sheep
-Participating Laboratories-

Animal Health Laboratory

Building 49, OVC, Box 3612
Guelph, Ontario
N1H 6R8
Phone: 519-824-4120 ext.54510
Fax 519-821-8072
www.ahl.uoguelph.ca

Vita-Tech

1345 Denison Street
Markham, Ontario
L3R 5V2
Phone: 416-798-4988 or 800-667-3411
Fax: 905-475-7309
www.vita-tech.com/home.cfm

TransBIOTech

201, route Monseigneur-Bourget
Levis, Quebec
G6V 9V6
Phone: 418-833-8876 ext.3120
Fax: 418-833-8867
www.tbt.qc.ca
diane.cantin@tbt.qc.ca

Bova-Can Laboratories

Saskatchewan Research Council
125 - 15 Innovation Blvd.
Saskatoon, Saskatchewan, S7N 2X8
Phone: 306-933-7700
Fax: 306-933-5505
www.src.sk.ca

For more information about this project, please visit www.scrapiecanada.ca.
For inquiries regarding project administration, please contact Scrapie Canada (1-866-534-1302) and/or the Canadian Sheep Federation (1-888-684-7739), or e-mail at admin@scrapiecanada.ca.

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Agri-Food Canada

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