

BOVINE BREED ASSOCIATIONS - BEEF
Procedure for Registering ET Calves & Submitting DNA Samples

BOVINE BREED ASSOCIATION	PROCEDURE FOR REGISTERING ET CALVES	PROCEDURE FOR SUBMITTING DNA SAMPLES
<p>Canadian Angus Association 142, 6715 8th Street N.E., Calgary, AB Canada T2E 7H7 Tel: 403-571-3580 // Fax: 403-571-3599 Email: info@cdnangus.ca OR maureen1@cdnangus.ca Web Site: www.cdnangus.ca</p>	<p><i>Please contact the breed association for information.</i></p>	<p><i>Please contact the breed association for information.</i></p>
<p>Canadian Belgian Blue Association P.O. Box 114, Wiseton, SK Canada S0L 3M0 Tel: 306-357-4827 // Fax: 306-357-2023 Email: kejab@sasktel.net Web Site: www.belgianblue.ca</p>	<p>At the time of embryo recovery, your ET Vet will provide you with a paper called "Certificate of Embryo Recovery" Keep these in your files or send them to the Canadian Livestock Records Corporation (CLRC). You must register an embryo if you want to register the calf (\$10.00). You must register an embryo when you sell it. To obtain an Embryo Certificate forward the certificate of embryo recovery and the appropriate certificate to CLRC. If you sell the embryo, complete an application for Transfer of Ownership of the embryo available from CLRC and add the transfer fee (\$20.00).</p> <p><u>Registering the calf</u></p> <ol style="list-style-type: none"> 1. Tattoo calf 2. Send DNA (hair/blood) samples to (SRC) (Bova-Can Labs) with appropriate fees. MUST BE PARENTAGE VERIFIED. 3. Send the CLRC the following: <ol style="list-style-type: none"> a. Embryo Certificate or Certificate of Embryo Recovery AND Certificate of Embryo Transfer b. Application to register WITH the embryo certificate number or identification of recipient indicated c. Appropriate fees. 	<p>Send DNA (hair/blood) samples to (SRC) (Bova-Can Labs) with appropriate fees.</p>
<p>Canadian Blonde d'Aquitaine Association 2417 Holly Lane, Ottawa, ON Canada K1V 0M7 Tel: 613-731-7110 // Fax: 613-731-0704 Email: cbda@clrc.ca Web Site: ww.canadianblondeassociation.ca</p>	<p>Embryo Transplant Regulations: Embryo transplant progeny must be parentage verified to the fullest extent possible, by either a Blood Type, DNA genotype or a combination of both, as per approved Canadian Blonde d'Aquitaine Association procedures, before a certificate of registration will be issued by the Canadian Blonde d'Aquitaine Association. The Blood Type and/or DNA genotype shall be done at the owner's expense.</p> <p>Effective January 1, 2005, all Embryo transplant progeny must have a DNA genotype on file with the Canadian Blonde d'Aquitaine Association to be eligible for registration. The DNA genotype shall be done at the owner's expense. The Canadian Blonde d'Aquitaine Association reserves the right to request a DNA genotype for the recipient dam that the embryo was implanted into. The recipient dam will be DNA genotyped at the owner's expense. The recipient dam's DNA genotype will be tested by the CBDA's designated agent as a possible dam of the Embryo transplant progeny.</p> <p>The Canadian Blonde d'Aquitaine Association reserves the right to request that all potential sires to which the recipient dam was exposed after the embryos were implanted be DNA genotyped, at the owner's expense. These DNA genotypes will be tested by the CBDA's designated agent as possible sires of the Embryo transplant progeny.</p> <p>The Canadian Blonde d'Aquitaine Association reserves the right to refuse or suspend the registration of Embryo transplant progeny as per Article 4, Section 2. It is mandatory that all Embryo transplant progeny be tested and have a normal 1/29 status, which will be recorded on the certificate of registration.</p>	<p>The owner pulls the tail hair samples from the animals to be genotyped, and submits them to Bova-Can Laboratories. The necessary application forms and hair sample envelopes can be obtained from either Bova-Can or from CLRC. When the testing has been done, the breed association then invoices the owner for the test(s).</p>

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Canadian Charolais Association 2320 - 41st Ave. N.E., Calgary, AB Canada T2E 6W8 Tel: 403-250-9242 // Fax: 403-291-9324 Email: cca@charolais.com Web Site: www.charolais.com	<i>Please contact the breed association for information.</i>	<i>Please contact the breed association for information.</i>
Canadian Chianina Association Box 45, Meskanaw, SK Canada S0K 2W0 Tel: 306-864-3644 // Fax: 306-864-2936 Web Site: www.clrc.ca/chianina.shtml	<i>Please contact the breed association for information.</i>	<i>Please contact the breed association for information.</i>
Canadian Dexter Cattle Association 2417 Holly Lane, Ottawa, ON Canada K1V 0M7 Tel: 613-731-7110 // Fax: 613-731-0704 Email: dexter@clrc.ca Web Site: www.dextercattle.ca	Embryo Transplant Regulations: A calf that is the result of an embryo transfer, whether the embryo is domestic or imported, shall be eligible for registration providing that the sire, dam and the calf all have a blood type or all have a DNA genotype on file with the Canadian Dexter Cattle Association. The embryo must be registered before the resulting calf can be registered. In the case of an imported embryo, the sire and the donor dam must have a registered 5 generation purebred pedigree in the country of origin. Copies of these pedigrees must be submitted with the application for registration of the embryo.	The owner pulls the tail hair samples from the animals to be genotyped, and submits them to Bova Can Laboratories. The necessary application forms and hair sample envelopes can be obtained from either Bova-Can or from CLRC. When the testing has been done, the breed association then invoices the owner for the test(s).
Canadian Galloway Association 2417 Holly Lane, Ottawa, ON Canada K1V 0M7 Tel: 613-731-7110 // Fax: 613-731-0704 Email: galloway@clrc.ca Web Site: www.galloway.ca	EMBRYO TRANSPLANT REGULATIONS (Revised November 28, 1998): <ol style="list-style-type: none"> 1. The documentation of embryo recovery, embryo transplant, and embryo freezing shall be on forms approved by the Canadian Embryo Transfer Association. 2. The appropriate above forms are required to be on file with Canadian Livestock Records Corporation prior to application for transfer of ownership of an embryo or application for registration of a resultant calf. 3. An Embryo Certificate will be issued for each transplanted or frozen embryo registered with Canadian Livestock Records Corporation and transferred to a new owner. 4. To register a resultant calf from an owned donor dam, complete an application for registration and indicate that the calf was produced by an embryo transplant. 5. To register a resultant calf from a purchased embryo, complete an application for registration, indicate that the calf was produced by embryo transplant, and include a transferred Embryo Certificate. 6. Parentage verification through blood typing or DNA genotyping, at the owner's expense, will be required for all calves produced by embryo transplant. 7. No resultant calf shall be eligible for registration where the donor dam has been inseminated with semen from, and/or exposed to, more than one bull per flush. 8. In order to register a calf resulting from an embryo imported into Canada, or an animal resulting from an embryo transplant that is born in another country and imported into Canada, in the Canadian Galloway Herd Book, the same requirements shall apply that apply for calves resulting from embryos produced in Canada. Previous registration in a foreign herd book shall not automatically qualify the animal for registration in the Canadian Galloway Herd Book. 	The owner pulls the tail hair samples from the animals to be genotyped, and submits them to Bova Can Laboratories. The necessary application forms and hair sample envelopes can be obtained from either Bova-Can or from CLRC. When the testing has been done, the breed association then invoices the owner for the test(s).

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Canadian Gelbvieh Association 110, 2116-27th Ave. N.E., Calgary, AB Canada T2E 7A6 Tel: 403-250-8640 // Fax: 403-291-5624 Email: gelbvieh@gelbvieh.ca Web Site: www.gelbvieh.ca	All Gelbvieh ET calves must be parentage (sire & dam) verified. All other details are the same as for natural born calves. Additional information is posted on the Canadian Gelbvieh Association web site at: http://www.gelbvieh.ca/register.html (please click on 'Handbook')	Please refer to the 'Handbook' posted on the Canadian Gelbvieh Association web site at: http://www.gelbvieh.ca/register.html
Canadian Hays Converter Association 650, 1207-11 Avenue S.W., Calgary, AB Canada T3C 0M5 Tel: 403-245-6923 // Fax: 403-244-3128 Email: haysconverter@shaw.ca Web Site: www.clrc.ca/haysconverter.shtml	<i>Please contact the breed association for information.</i>	<i>Please contact the breed association for information.</i>
Canadian Hereford Association 5160 Skyline Way N.E., Calgary, AB Canada T2E 6V1 Tel: 403-275-2662 // Fax: 403-295-1333 Email: herefords@hereford.ca Web Site: www.hereford.ca	Registration information is posted on the Canadian Hereford Association web site at: http://www.hereford.ca/	DNA information is posted on the Canadian Hereford Association web site at: http://www.hereford.ca/
Canadian Highland Cattle Society 7055 Tatlow Road, Smithers, BC Canada V0J 2N5 Tel: 250-877-7783 // Fax: 250-877-7783 Email: highland@chcs.ca Web Site: www.chcs.ca	The following animals are eligible for registration in the Herd Book: 2.7 Animals produced by the transplant in Canada of embryos or fertilized ova from cow to cow, provided that 2.7.1. the embryo or fertilized ovum is recorded in the Record of Embryos and Fertilized Ova maintained by the Society for the purpose; 2.7.2. the genetic sire and dam are registered in the Herd Book or, in the case of foreign animals, would be eligible for registration as imported animals; 2.7.3. proof of parentage is provided; 2.7.4. the collection, freezing, labelling, importing, use and recording of embryos and fertilized ova have been performed in compliance with the applicable governmental laws and regulations and the bylaws and regulations of the Society; and 2.7.5. the registration number of the animals shall be preceded by the letter "T". 2.8 Animals produced in Canada by the transplant in a country other than Canada of embryos or fertilized ova from cow to cow, provided that 2.8.2. the embryo or fertilized ovum was recorded officially in the country of origin; 2.8.3. proof of parentage is provided; and 2.8.4. the requirements of clauses 2.7.2 and 2.7.4 have been complied with.	<i>Please contact the breed association for information.</i>

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<p>Canadian Highland Cattle Society <i>continued...</i></p>	<p><u>Herd Book</u></p> <p>1.1 A register, known as the herd Book, shall be maintained by the Registrar on behalf of the Society, in which eligible animals may be recorded and allotted individual sequential registration numbers and in which transfer of ownership may be recorded. Progeny resulting from <u>embryo and fertilized ova</u> transfers shall be identified by the prefix letter “T” to the registration number.</p> <p><u>Record of Embryos and Fertilized Ova</u></p> <p>2.1 A register, known as the record of Embryos and Fertilized Ova, shall be maintained by the Registrar on behalf of the Society, in which embryos and fertilized ova which meet the requirements of Section Seventeen, clause 2.7, and their transfer of ownership and use, shall be recorded.</p> <p>2.2 The recording of embryos and fertilized ova in the Record of Embryos and Fertilized Ova shall be conditional on the filing with the Registrar of the following relevant documents, and as the case may be:</p> <p>2.2.1 the Certificate of Embryo/Fertilized Ovum Recovery;</p> <p>2.2.2 the Certificate of Freezing;</p> <p>2.2.3 the Certificate of Embryo/Fertilized Ovum Transplant;</p> <p>2.2.4 the Individual Embryo/Fertilized Ovum Certificate; and</p> <p>2.2.5 the Authorization for Embryo/Fertilized Ovum Movement.</p> <p>3. <u>Registration of Animals</u></p> <p>3.2 The application for registration of an animal</p> <p>3.2.1 born in Canada, shall be made by and in the name of the owner, lessee or borrower of the dam at the time of the animal’s birth, provided that, in the case of an animal produced by embryo or fertilized ovum transplant, the application shall be made by and in the name of the owner of the calf at birth;</p> <p>3.2.5 produced in Canada by embryo or fertilized ovum transplant, shall be supported additionally by the flush certificate or equivalent, together with proof of ownership in the case of an imported embryo or fertilized ovum and, additional, according to circumstances, by</p> <p>3.2.5.1 the Certificate of Embryo/Fertilized Ovum Recovery;</p> <p>3.2.5.2 the Certificate of Freezing;</p> <p>3.2.5.3 the Certificate of Embryo/Fertilized Ovum Transplant;</p> <p>3.2.5.4 the Individual Embryo/Fertilized Ovum Certificate; and</p> <p>3.2.5.5 the Authorization for Embryo/Fertilized Ovum Movement.</p> <p>4. <u>Recording of Embryos and Fertilized Ova</u></p> <p>4.1 The recording of embryos and fertilized ova shall be entered by the registrar in the Record of Embryos and Fertilized Ova upon receipt of the prescribed documentation, and upon payment of the relevant fee.</p> <p style="text-align: right;"><i>Continued...</i></p>	

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<p>Canadian Highland Cattle Society <i>continued...</i></p>	<p>4.2 The recording of embryos and fertilized ova 4.2.1 originating in Canada, shall be made in the name of the owner, lessee or borrower of the donor cow; or 4.2.2 originating outside Canada, shall be made in the name of the Canadian resident importer.</p> <p>7. <u>Embryo/Fertilized Ovum Flush Certificates</u> 7.1 Upon the recording of embryos or fertilized ova, the Registrar shall issue an Embryo/Fertilized Ovum Flush Certificate to the applicant. 7.2 If, for any reason, a certificate can no longer be produced, the Registrar may issue a duplicate certificate upon application of the registered owner, supported by affidavit attesting to its unavailability and on payment of the relevant fees.</p> <p>9. <u>Transfer of Recording of Ownership of Embryos and Fertilized Ova</u> 9.1 The transfer of recording of ownership of embryos and fertilized ova in the Record of Embryos and Fertilized Ova shall be effected by the transferor within a delay of 6 months from the date of transfer of ownership of the embryos or fertilized ova. Unless otherwise agreed in writing, the transfer shall be effected at the transferor's expense. In the event of the failure by the transferor to comply with this obligation within the 6-month delay, the transfer may be effected on the authorization of the Society in its discretion and upon satisfactory evidence that the transfer of ownership of the embryos or fertilized ova is not contested by either party, without prejudice to the penalties applicable for default established by the Society and under the provisions of the Act. 9.2 The application for transfer shall be filed with the Registrar, accompanied by payment of the relevant fee. An Individual Embryo/Fertilized Ovum Certificate shall be issued by the Registrar to the transferee.</p> <p>2.5 Animals produced by embryo or fertilized ovum transplant, in addition to the applicable fee, a surcharge of 10.00 20.00 2.6 Animals produced by imported embryo or fertilized ovum transplant, in addition to the applicable fee, a surcharge of 15.00 30.00</p> <p>3. Recording of Imported Embryos and Fertilized Ova 3.1 Recorded at time of registration of calf 15.00 30.00</p> <p>6. Transfer of Record of Ownership of Embryos and Fertilized Ova 6.1 Transferred at time of registration of calf 15.00 30.00</p> <p>7. Transfer of Record of Ownership of Embryos and Fertilized Ova for Export 7.1 Transferred within 60 days of date of sale: per unit..... 20.00 40.00 per flush 75.00 150.00 7.2 Transferred more than 60 days from date of sale: per unit 40.00 80.00 per flush..... 150.00 300.00</p>	

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<p>Canadian Limousin Association #13, 4101, 19th Street N.E., Calgary, AB Canada T2E 7C4 Tel: 403-253-7309 // Fax: 403-253-1704 Email: limousin@limousin.com Web Site: www.limousin.com</p>	<p>Rules and Regulations for registering Embryo Transplant Progeny:</p> <p>Calves propagated by embryo transplant are required to be parent verified by blood/DNA at time of registration. Donor dams born before January 1, 1997 must have a bloodtype/DNA genotype on file with the association. Donor dams born on or after January 1, 1997 must be sire verified. A certificate of embryo recovery must be forwarded to the association at or before time of registration. If the donor dam is not owned or leased by the applicant (person applying for registration of the resulting calf), an embryo transfer must be on file with the association before the calf can be registered. All embryo transplant forms must meet the minimum standards as established by the Canadian Embryo Transfer Society.</p> <p>The breeder can download an Embryo Data & Registration Form from our website. These forms can also be requested from our office. Return to the CLA office the completed form along with the required Certificate of Embryo Recovery and Transfer Form. The Embryo Animal will not be registered without the Certificate of Embryo Recovery and Transfer Form.</p> <p>Costs associated with this are:</p> <p>DNA for Embryo animal.....\$32.00 Whole Herd Enrollment Member.....\$ 0.00 (if Recipient Dam is enrolled) Whole Herd Enrollment Member.....\$20.00 (if Recipient Dam not enrolled) Non Whole Herd Enrollment Member.....\$60.00</p>	<p>Please refer to the Canadian Limousin Association web site: http://www.limousin.com/my_association/registry/la_binfo.asp</p>
<p>North American Lincoln Red Association 109 Pothier Rd., St. Charles, ON Canada P0M 2W0 Tel: 705-867-2291 // Fax: 705-867-0127 Email: dunwikinder@hotmail.com Web Site: www.clrc.ca/lincolnred.shtml</p>	<p><i>Please contact the breed association for information.</i></p>	<p><i>Please contact the breed association for information.</i></p>
<p>Canadian Lowline Cattle Association Box 506, Air Ronge, SK Canada S0J 3G0 Tel: 306-293-2971 // Fax: 306-293-2090 Email: Jerry.Jensen@sasktel.net Web Site: www.canadianlowline.com</p>	<p><i>Please contact the breed association for information.</i></p>	<p><i>Please contact the breed association for information.</i></p>

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Canadian Luing Association Blacketlees Farm, RR 4 Rimbey, AB Canada T0C 2J0 Tel: 403-843-0094 // Fax: 403-843-0094 Email: ieaitken@hotmail.com Web Site: www.luingcattle.com	<i>Please contact the breed association for information.</i>	<i>Please contact the breed association for information.</i>
Canadian Maine-Anjou Association 5160 Skyline Way N.E., Calgary, AB Canada T2E 6V1 Tel: 403-291-7077 // Fax: 403-291-0274 Email: cmaa@maine-anjou.ca Web Site: www.maine-anjou.ca	<i>Please contact the breed association for information.</i>	<i>Please contact the breed association for information.</i>
Canadian Marchigiana Association P.O. Box 37, Priddis, AB Canada T0L 1W0 Tel: 403-931-2415 // Fax: 403-931-2415	<i>Please contact the breed association for information.</i>	<i>Please contact the breed association for information.</i>
Canadian Murray Grey Association Box 2093 Stettler, AB Canada T0C 2L0 Tel: 403-742-3843 // Fax: 403-742-3857 Email: cmga@electrotel.ca Web Site: www.cdnmurraygrey.ca	Parentage Verification of ET Calves: In the case of ET calves, one calf of every single sire flush will be parentage verified. In the case of mixed semen, each calf will need to be parentage verified. Please refer to the rules regarding Embryo Transfer for more information. (please click here)	<i>Please contact the breed association for information.</i>
Canadian Piedmontese Association R.R. # 3, Lacombe, AB Canada T0C 1S0 Tel: 403-782-2657 // Fax: 403-782-6166 Email: peony@platinum.ca Web Site: www.clrc.ca/piedmontese.shtml	<i>Please contact the breed association for information.</i>	<i>Please contact the breed association for information.</i>

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Canadian Pinzgauer Association R.R. # 2, Site 16, Box 8, Olds, AB Canada T4H 1P3 Tel: 403-507-2255 // Fax: 403-507-8583 Email: diamond@airenet.com Web Site: www.pinzgauer.ca	<i>Please contact the breed association for information.</i>	<i>Please contact the breed association for information.</i>
Canadian Red Poll Cattle Association 2417 Holly Lane, Ottawa, ON Canada K1V 0M7 Tel: 613-731-7110 // Fax: 613-731-0704 Email: redpoll@clrc.ca Web Site: www.clrc.ca/redpoll.shtml	No requirements currently on file.	The owner pulls the tail hair samples from the animals to be genotyped, and submits them to Bova Can Laboratories. The necessary application forms and hair sample envelopes can be obtained from either Bova-Can or from CLRC. When the testing has been done, the breed association then invoices the owner for the test(s).
Canadian Salers Suite 1, 517 - 10 Avenue South, Calgary, AB Canada T0M 0N0 Tel: 403-337-5851 // Fax: 403-337-3143 Email: info@salerscanada.com Web Site: www.salerscanada.com	<i>Please contact the breed association for information.</i>	<i>Please contact the breed association for information.</i>
Canadian Shorthorn Association Box 3771, Canada Centre Building, Exhibition Park, Regina, SK Canada S4P 3N8 Tel: 306-757-2212 // Fax: 306-525-5852 Email: info@canadianshorthorn.com Web Site: www.canadianshorthorn.com	<i>Please contact the breed association for information.</i>	<i>Please contact the breed association for information.</i>

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<p>Canadian Simmental Association 13, 4101-19th St. N.E., Calgary, AB Canada T2E 7C4 Tel: 403-250-7979 // Fax: 403-250-5121 Email: cansim@simmental.com Web Site: www.simmental.com</p>	<p><u>Embryo Procedures</u></p> <p>1) The CSA member must ensure that they have entered the embryo calf record into our Herd book (via either- our Online system or by submitting the embryo forms for processing by the CSA registry staff).</p> <p>Important calf-entry note for Online users: The embryo “entry box” should be answered as Y-es. That way it allows you to enter the <u>Tag</u> (or, the - <u>Complete Tattoo</u>; if the Recip is a registered Simmental dam), the <u>Birth Year</u> (BYR), and the <u>Breed Make-up</u> (e.g. if Simmental: SMSMSMSM, if Angus/cross: ANANXXXX).</p> <p>In addition, the A.I. “entry box” should be answered as Y-es. That way it allows you to enter the <u>required</u> Transplant Date that appears on your Embryo/CETA Transplant Form.</p> <p>2) If you do not have the “Embryo Calving Form” you can download a copy of it from the Canadian Simmental Association website by clicking on the link below http://www.simmental.com/downloads.shtml</p> <p>3) Complete the form, separating the embryo calves by Flush Date. Since our embryo Bylaw states that <u>only 1 embryo from each flush</u> must be Parentage Verified (PV) – you must indicate “Y” in the DNA box for the embryo you wish to obtain a hair sample from. Then, we can order the parentage kit and provide you with the required Application Form and sample envelope. ** Note: <u>DNA instructions</u> on how to obtain the hair sample and where to send them will be provided along with your parentage kit.</p> <p>4) Lastly, when returning the “Embryo Data & Registration Form” you must <u>send copies of the Embryo/CETA Transplant Forms</u>. It helps if you write the tattoo of the resultant embryo calf beside the appropriate Recipient Dam on the form (this enables the CSA registry staff to manually track the embryo activity for that particular flush).</p> <p>If you have any other inquires regarding these procedures please feel free to contact the CSA office using our toll-free number: 1-866-860-6051. You may also email us directly at cansim@simmental.com</p>	
<p>Canadian South Devon Association Box 43 Rockglen, SK Canada S0H 3R0 Tel: 306-476-2303 Email: info@southdevon.ca Web Site: www.southdevon.ca</p>	<p><i>Please contact the breed association for information.</i></p>	<p><i>Please contact the breed association for information.</i></p>
<p>Canadian Tarentaise Association Box 1156 Shellbrook, SK Canada S0J 2E0 Tel: 800-450-4181 Email: canadiantarentaise@sasktel.net Web Site: www.tarentaise.ca</p>	<p><i>Please contact the breed association for information.</i></p>	<p><i>Please contact the breed association for information.</i></p>

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<p>Canadian Welsh Black Association 2417 Holly Lane, Ottawa, ON Canada K1V 0M7 Tel: 613-731-7110 Fax: 613-731-0704 Email: ron.black@clrc.ca Web Site: www.welshblack.com</p>	<p>Embryo Transplant Regulations: Calves propagated by Embryo Transplant will be registered on the same terms as calves propagated by natural or artificial mating except a parentage record of the sire and dam must be on file with the Society. A completed embryo verification form (showing implant date) shall be supplied to the Society.</p> <p>To verify parentage of embryo transplant offspring a blood typing or DNA genotyping record of all sires used as semen sources and the donor cow must be on record with a recognized laboratory and submitted to the Society to be kept on file.</p> <p>All import Welsh Black embryo offspring presented for registration in the Canadian Welsh Black Cattle Society Herd Book must be fully parentage verified and a copy of a four (4) generation registration certificate of the sire and dam, certified by the Official Herd Book in the Country of Origin, must accompany the enrollment forms.</p>	<p>The owner pulls the tail hair samples from the animals to be genotyped, and submits them to Bova-Can Laboratories. The necessary application forms and hair sample envelopes can be obtained from either Bova-Can or from CLRC. When the testing has been done, the breed association then invoices the owner for the test(s).</p>