

# APPLICATION FOR DNA TESTING

Please print clearly / one animal per form.

## OWNER / APPLICANT DETAILS:

NAME OF APPLICANT:		CWHBA ID #:	
Address:		Town/City:	
Province/State:	Postal/Zip Code:	Country:	Phone #

## SAMPLE TYPE *(please check one)*

<input type="checkbox"/> Hair	<input type="checkbox"/> Blood	<input type="checkbox"/> Semen	<input type="checkbox"/> Other <i>(Please specify below)</i>
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## TEST REQUIRED *(please check required)*

<input type="checkbox"/> DNA Parentage Verification / Genotype	<input type="checkbox"/> Sire only Verification	<input type="checkbox"/> Dam only Verification	<input type="checkbox"/> WFFS Test
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## ANIMAL DETAILS

Name:		Registration Number:
Date of Birth: <i>(dd/mm/yy)</i>	Gender: <input type="checkbox"/> Male <input type="checkbox"/> Female	Microchip #:
Sire Name: <i>(Sires to be checked)</i>	Registration/ Entry Number:	DNA case # <i>(if known)</i>
Dam Name: <i>(Dams to be checked)</i>	Registration/ Entry Number:	DNA case # <i>(if known)</i>
Other Information:		

## PAYMENT INFORMATION

Credit Card: <input type="checkbox"/> Visa <input type="checkbox"/> Master Card	Name on Card:	Number:	Expiry date:
<input type="checkbox"/> Cheque enclosed : <i>see Association fee schedule</i>		<input type="checkbox"/> E-transfer to: <a href="mailto:accounts@canadianwarmbloods.com">accounts@canadianwarmbloods.com</a>	

AUTHORIZATION TO DISCLOSE TEST RESULTS TO CWHBA, ACCEPTANCE OF TERMS AND CONDITIONS: By signing this form, you agree to these terms.

- I hereby authorize Bureau Veritas Canada (2019) Inc. *(formerly Maxxam Analytics)* to disclose the results of the tests to the CWHBA.
- I understand that when no DNA sample exists with Bureau Veritas Canada (2019) Inc. /Maxxam, that a DNA profile will be required to validate horse identity to report WFFS testing.
- I have paid all testing fees to CWHBA; I have read, understood and agree to the terms and conditions specified on page two of this form.
- I agree that results of WFFS testing will be included in the CLRC database as per my signature attached unless this Do Not Publish box is checked and initialed.  **Do not publish.**

## SIGNATURE:

Name: <i>(Please print)</i> (Owner, Lessee or Authorized Agent)	Date:
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Signature:  
(Owner, Lessee or Authorized Agent)

This form must be completed and signed in order for the testing services to be provided.

## Instructions for Collecting a Good Hair Sample

1. For horses, hair is pulled from above the withers on the mane. Tail hair may be acceptable from a foal.
2. Ensure sample hair is clean. Dirt, manure and other foreign material will make the hair sample unfit for testing.
3. Pull (do not cut!) 35 to 45 mane hairs. The root MUST BE ATTACHED. 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 may be needed if you are requesting multiple tests in addition to parentage verification.
4. Tape hairs together about 2" from the root - 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.
5. 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 and registration number, if any. This will make sure we can match your hair samples with your application forms.
6. Hair samples may be submitted with this application. CLRC will then forward the sample directly to the lab with the appropriate forms and information required by the lab.
7. If you need to send blood, semen or other types of tissue please do not send the sample with this application. Wait for your kit to arrive and then send the DNA sample directly to the lab in order to minimize spoilage and cross-border delays.
8. This form must be completed and signed in order for testing services to be provided.

### Agreement for optional Warmblood Fragile Foal Syndrome WFFS testing:

**DESCRIPTION:** Warmblood Fragile Foal Syndrome (WFFS1) is an inherited autosomal (genetic) disorder caused by a single mutation in PLOD1 gene. As an autosomal recessive trait, this means a foal can only be affected if the foal inherits the disease from both parents. Parents that are carriers do not have any symptoms associated with WFFS. However, they will pass on a copy of the defective gene to their offspring 50% of the time.

If breeding two carriers the foal has a 25% chance of being affected and a 50% chance of being a carrier. An affected WFFS foal is born with a two copies of the mutated LH1 gene, one coming from each parent. There is no cure and all affected foals must be euthanized soon after birth.

While WFFS has been identified for many years, it has only been since early 2018 that it came to prominence with concern being raised about the possibility of breeding 2 carrier animals. With testing, and knowing the status of the parents, breeders can avoid the risk associated with breeding carrier (N/WFFS) to carrier (N/WFFS).

**POLICY:** Canadian Warmblood has adopted the following policy for WFFS testing. WFFS testing is offered as a member service and is optional. No animal will be refused registration or breeding approval based on the results of WFFS testing.

When WFFS testing has been requested, the following shall apply, effective 2019:

1. All WFFS results to be recorded on the database, will be DNA verified; all DNA for registration will be parentage verified.
2. In the case of an animal being Stud Book entered from a foreign stud book and submitting a new sample, the sample must be DNA matched to an existing case file report from the registry of origin. Both DNA typing and WFFS fees will apply.
3. Bureau Veritas Canada (2019) Inc. (*formerly* Maxxam) is able to test stored samples that have been previously genotyped at Bureau Veritas Canada (2019) Inc. /Maxxam (or Genserve/Quantum) as profiles or parentage tests without re-profiling samples (WFFS fee only). Where necessary to confirm the identity of an animal through genotyping or parentage verification then both DNA typing and WFFS fees will apply.
4. Where a stored sample is unfit for testing, a new sample must be submitted and both DNA typing and WFFS fees will apply.
5. Results of WFFS testing will be included in the CWHBA database on CLRC as per the signed release on this application for DNA and/or WFFS testing, unless the Do Not Publish box for WFFS testing is checked and initialed.
6. The format of posting on the CWHBA database on CLRC will be
  - the default listing: not tested/not disclosed  
(*this will include those tests with the Do Not Publish box checked or those not genotyped to confirm identity of the horse*)
  - tested: clear (N/N) or carrier (N/WFFS)