

Instructions For Sample Submission

Please read the **SAMPLE SUBMISSION FORM** carefully and fill out completely!

*****PAYMENT MUST ACCOMPANY SAMPLES PRIOR TO PROCESSING*****

AgriGenomics is only accepting samples of blood or semen at this time.

Blood samples:

- Collect at least 2cc of whole blood (not serum) in an **EDTA purple top tube**. An anticoagulant is used in the purple top tubes to keep the blood from clotting. If sent in any other type of tube the sample will NOT be processed.
- After collecting the blood, the tube must be mixed thoroughly by inverting 5-10 times. **Severely clotted blood samples received will NOT be processed and must be resubmitted.**
- It is also important that a new needle/syringe be used for each animal. The sensitivity of the test can detect very small quantities of contamination potentially producing invalid test results.
- Please label the blood tubes with the animal's permanent ID and/or registration # (if available). It's also extremely important that tubes are not mislabeled. If sending in more than one sample please be very cautious and make sure to label tubes for the animal in which they belong.

Blood samples should arrive at the laboratory within 48 hours of collection for best results.

Second day shipping via UPS, US Postal Service Priority Mail, Federal Express, or DHL are recommended. Samples that are collected a day prior to shipment should be kept in the refrigerator prior to shipment.

Hot Weather: When temperatures exceed 90°F for extended periods, please include a cold pack with the samples. DO NOT FREEZE.

Cold Weather: When temperatures are below 35°F, please pack the samples in an insulated container to avoid freezing.

Semen samples:

- Send at least one straw of thawed semen
- Semen straws should be protected from breakage during shipment by placing them in a semen cane or goblet and packaged in a padded envelope or small box.
- **Please refrain from shipping semen straws in standard sized mailing envelopes.** When processed by the US Postal Service, these samples are often crushed by the rollers in automated mail handling equipment.

Further Instructions:

Enclose all relevant information needed to process your request for testing and payment in a zip-lock bag to protect it from damage. Samples will NOT be processed until payment is received.

Information needed (a Sample Submission form is available):

Name, Address, Phone Number(s), Test(s) requested

Pricing:

FOR TH, PHA, and CC

\$25 each for one test and \$15 for every additional test for that sample (TH & PHA = \$40 ea)

FOR DL and IE

\$20 per sample or \$30 per sample if testing for both DL and IE

FOR AM:

\$25 per sample

Ship samples and AgriGenomics payment to:

AgriGenomics, Inc.
2399 N 1000 East Road
Mansfield, IL 61854

Written results will be provided on all samples tested. It is in your best interest to identify the samples as completely as possible for your future reference and use.

If you have any questions please contact us at (217) 762-9808 between 1-5pm central time.

FROM THE ASA: The **American Shorthorn Association** (ASA) requires TH and PHA status and DNA genotype on file for all AI sires and Donor Dams and cloned animals

- If releasing the sample to *Igenity for a DNA genotype or parental verification the ASA account listed will be charged \$30 per sample for testing. A DNA report and invoice will be mailed to you from the ASA when testing is complete.
- If you would like the ASA to receive the TH/PHA result, but NOT send the sample for a DNA genotype/parental verification, make note of this in the proper column on the submission form. The ASA does not charge to have the animal's genetic defect status on file.

* Igenity Testing Services, located in Lincoln, NE, is the official lab for the ASA to complete DNA genotyping and parental verification.

AMERICAN SHORTHORN ASSOCIATION SAMPLE SUBMISSION FORM

Owner's Name _____ Farm/Herd Name _____ ASA Member # _____

Address _____ City _____ State/Prov _____ Zip Code _____ e-mail _____ @ _____

Phone(s) [H] () _____ [W] () _____ [C] () _____ Fax () _____ Other _____

Available Tests: *Tibial Hemimelia (TH)* *Pulmonary Hypoplasia with Anasarca (PHA)* *Black/Red Coat Color (CC)* *Dilution (DL)* *Idiopathic Epilepsy (IE)*

Amount Due:

FOR TH, PHA, and CC

\$25 each for one test and \$15 for every additional test for that sample (TH & PHA =\$40 ea)

FOR DL and IE

\$20 per sample or \$30 per sample if testing for both DL and IE

FOR AM:

\$25 per sample

***** AGRIGENOMICS PAYMENT MUST BE INCLUDED WITH SAMPLES*****

ANIMAL INFORMATION					REQUESTED TEST(S)	PLEASE ANSWER THE FOLLOWING			LABORATORY USE ONLY					
Permanent Tattoo/Ear Tag	Registered Name	ASA Registration #	Sire's ASA Registration #	Dam's ASA Registration #	Circle all that apply	Release for DNA Genotype/ Parental Verification?		Release TH/PHA result to ASA?		Lab ID	TH Status	PHA Status	FTA Card #	IGENITY Case #
					TH PHA CC DL IE	Yes	No	Yes	No					
					TH PHA CC DL IE	Yes	No	Yes	No					
					TH PHA CC DL IE	Yes	No	Yes	No					
					TH PHA CC DL IE	Yes	No	Yes	No					
					TH PHA CC DL IE	Yes	No	Yes	No					
					TH PHA CC DL IE	Yes	No	Yes	No					
					TH PHA CC DL IE	Yes	No	Yes	No					
					TH PHA CC DL IE	Yes	No	Yes	No					
					TH PHA CC DL IE	Yes	No	Yes	No					
					TH PHA CC DL IE	Yes	No	Yes	No					

IF RELEASING A SAMPLE FOR PARENTAL VERIFICATION/ DNA GENOTYPING PLEASE READ AND SIGN THE FOLLOWING:

I hereby authorize AgriGenomics, Inc. to release the TH and PHA status for the above referenced animals to the American Shorthorn Association (ASA) for public use. Furthermore, I authorize the release of a DNA sample to Igenity for completion of DNA genotyping/parental verification on said individuals as indicated in the above chart.

FOR EACH SAMPLE RELEASED TO IGENITY FOR DNA GENOTYPE OR PARENTAL VERIFICATION, YOUR ASA MEMBER ACCOUNT WILL BE CHARGED

\$30.

Signature _____ Date _____

(of owner, lessee, organized agent or breed representative)

DISCLAIMER AND LIABILITY LIMITATIONS: AgriGenomics, Inc. agrees to provide due care to the receipt, storage, and testing of the genetic material provided by the Owner and to provide Owner with accurate information as a result of such testing. AgriGenomics agrees that they will only release results for the tests requested to Owner and will not convey to anyone additional information derived from the genetic material received without Owner's prior written permission. Owner agrees to make no claim against AgriGenomics or any of their representatives for any loss, cost, or damage purportedly resulting from an inaccuracy in the results of the genetic testing services performed that are not caused by AgriGenomics' gross negligence or intentional misconduct; and shall indemnify AgriGenomics against any loss, cost, or damage, including without limitation reasonable attorney fees arising out of any such claims by third parties. In no event will AgriGenomics be liable for any incidental or consequential damages including, but not limited to lost profits. Liability for any cause with respect to a test results is limited to a refund of the cost for testing of the sample.

PLEASE RETURN WITH SAMPLES TO:
AgriGenomics, Inc.
2399 N. 1000 East Road
Mansfield, IL 61854

Office Use Only	Date Rec. by AgriGenomics	Date Rec. by ASA	Date Rec. by Igenity
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