



# American Shorthorn Association DNA Testing Submission Form



Contact the ASA for blood sample cards. Cards must accompany this form and returned with payment.

By checking A.I. Sire/Donor Dam Requirement, testing will include GGP - LD, Parentage, TH, PHA, & DS. Additional genetic conditions can be added with GGP products for \$27

**REQUIRED FOR ALL ANIMALS**

Revised 4.05.17

**American Shorthorn Association Authorization**

"I hereby agree that all genetic material submitted is the sole property of the A.S.A. I hereby authorize A.S.A. to publish all genetic testing data results obtained now and in the future to the general public from any sample submitted. I agree to waive and hold harmless and indemnify ASA and GeneSeek from any claim arising from testing or publications of data."

Signature/Date

Print Name

**Customer Information**

**Billing Information (Payment must be received prior to testing)**

Farm Name:		Payment Method:	Credit Card      Check
Contact Person:		Name on Card:	
ASA Member #:		Billing Address:	
Phone:		(Check if Same as Address to Left)	
E-mail:		Card Number:	
Address:		Visa      MasterCard      Discover	
City:		Expiration Date (MM/YYYY):	/
State:		CVV2 (Last 3 digits of number printed on the back of card):	
Zip Code:		Signature:	

Sample Barcode	Tattoo	Reg #	Sex (M or F)	DOB	Sire Reg #	Breed: SH, MA, etc.	Dam Reg #	Breed: SH, MA, etc.	Genomic Tests			Stand - Alone Tests							
									A.I. Sire/Donor Dam Requirement - \$80	GGP - 150K Profile + TH, PHA, DS - \$125	GGP - HD 150K Profile - \$90	GGP - LD 50K Profile - \$55	GGP ULD 25K Profile - \$40	Parentage - \$35	TH, PHA, DS - \$48	TH - \$27	PHA - \$27	DS - \$27	Fescue Tolerance - \$27
Ex: 11112154	1234B	418549	F	3/21/2014	418549	SH	416229	SH											
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			

Pending Registration?

\*\*\*Add \$2 for each hair sample\*\*\*\*

## DNA Testing Options

### Important Information

- The DNA Testing Submission Form must be completely filled out when it is sent to the ASA office. Be sure to include tattoo, Reg #, sex, DOB, Sire Reg #, and Dam Reg # on each animal you are submitting for testing. Forms that are incomplete are subject to a processing fee.
- A \$2/sample fee will be charged to all hair samples. GeneSeek has implemented this fee due to increased processing and a higher percentage of retesting with hair samples.
- GeneSeek recommends using tissue samples as their preferred method of genetic testing. Tissue samples are preferred due to their ease of sampling, longer storage life, and quicker turnaround time. Tissue samples are taken using an Allflex applicator tool to remove a sample from the animal's ear into a small tube for storing the sample. If you are interested in using tissue sampling, contact GeneSeek to order your applicator tool and sample collection units.
- If you have any questions regarding DNA testing, please contact the ASA office.

### Available Tests

#### *Test That Satisfy AI Sire/Donor Dam Requirements*

GGP-LD 50K with TH, PHA, DS: \$80 This testing for AI Sire/Donor Dam requirements includes parent verification, a GGP-LD 50K DNA profile, and testing for known genetic conditions (TH, PHA, DS). Selecting animals for this test will allow them to have genomically-enhanced EPDs (GE-EPDs).

GGP-150K with TH, PHA, DS: \$125 This testing for AI Sire/Donor Dam requirements includes parent verification, a GGP-F250 (250K) DNA profile, and testing for known genetic conditions (TH, PHA, DS). Selecting animals for this test will allow them to have genomically-enhanced EPDs (GE-EPDs).

#### Genomic Profiles (GGP Products)

GGP-- HD 150K: \$90 This is a high density (150K) testing panel that includes parentage markers. This test is recommended for elite sires and donor dams with large numbers of progeny. Selecting this profile will allow the animal to receive GE-EPDs.

GGP-LD 50K: \$55 This is a low density (50K) testing panel that includes parentage markers. Animals with the LD-50K profile will receive GE-EPDs.

GGP-uLD 25K: \$40 The markers on the GGP-uLD profile are used to calculate GE-EPDs. The available markers on the GGP-uLD can be imputed to the equivalence of the GGP-LD 50K. The GGP-uLD is recommended for young bulls, replacement heifers, or testing the entire cow herd.

#### Genetic Conditions and Stand Alone Tests

Testing for genetic conditions and stand-alone products can be ordered independently of GGP products. However, animals tested for genetic conditions without a genomic profile will NOT have GE-EPDs available. All genetic condition and parentage tests (both bundle and stand-alone) are automatically loaded into the Digital Beef registry if the test is run through GeneSeek.

Fescue Tolerance DNA Test The test for fescue tolerance developed by AgBotanica identifies genetic markers that indicate an animal's ability to tolerate toxic fescue. Outputs from the test will give you a numeric score (0 to 50, with 50 being the highest) on the online registry, as well as the \$Fescue index. Cattle that have not been tested for fescue tolerance will not have \$Fescue available.

TH, PHA, DS Bundle: \$48

Parentage Markers: \$35

Tibial Hemimelia (TH): \$27

Pulmonary Hypoplasia with Anasarca (PHA): \$27

Digital Subluxation (DS): \$27

Fescue Tolerance: \$27