

AMERICAN SHORTHORN ASSOCIATION
DNA AND GENETIC DEFECT SUBMISSION
FORMS CHECKLIST



Pfizer Animal Genetics
333 Portage Rd., Building 300
Kalamazoo, MI 49007-9970

- If needed, obtain hair cards from Pfizer Animal Genetics by calling **877-BEEF-DNA** or by visiting www.pfizeranimalgenetics.com. Be sure to ask for **2** hair cards per animal you plan to test. Blood and semen samples are also acceptable, but only one sample is needed.
- For each animal, collect **2 samples** of approximately 30 hair root follicles each, 60 total. Properly place root bulbs on the hair card and cut off unneeded hair. Write the animal's registration number (preferred), tattoo, or ID on each hair card or blood tube.
- With hair cards in-hand, **completely** fill out the Customer Information section of the form. Be sure to include your e-mail address as results will come electronically; this saves time and money in the process.
- Sign the "ACCEPTANCE AND AUTHORIZATIONS" section after you understand the attached "TERMS AND CONDITIONS" page.
- Completely fill out the "BREED ASSOCIATION AUTHORIZATION" section. This is required for any tests to be released to the American Shorthorn Association.
- Sign the "PUBLIC RESULTS AUTHORIZATION" section. (Optional)
- Next, fill out pages 3 and 4 to determine your total amount due under "BILLING INFORMATION" on page 2. DNA Tests (pg. 3) and Genetic Defect Testing (pg. 4) will not be processed until payment is received in full. The following items are **required** by the ASA for **ALL Donor Cows and A.I. Sires**.
 - a. **\$35** per head for each DNA Test (A.K.A – Parentage, Genotyping, or DNA Fingerprinting). Sire and Dam registration numbers are required if parental verification is desired.
 - b. **\$35** per head for TH and PHA combined. Volume discounts can apply to defect testing
- For each animal receiving DNA Fingerprint Identification (i.e. Parental Verification), fill out page 3 and sign the bottom. If the animal is not registered, be sure to include the Animal ID, Tag, or Tattoo and fill out the remaining known information. If multiple sires or dams need to be tested, simply repeat the process for each potential sire or dam, but do **not** pay for each test, only \$30 total for the animal being tested.
- Completely fill out the "SAMPLE INFORMATION FORM" for each animal that needs genetic defect testing and check the boxes that apply on Page 4.
- Add the number of samples from pages 3 and 4, transfer that number to page 2 to determine the total amount owed.
- Send sample(s), forms, and payment to:



American Shorthorn Association
% DNA/Defect Testing
8288 Hascall Street
Omaha, NE 68124

CUSTOMER INFORMATION

Company Name		Date
Contact Person		Mailing Address
Office Phone	Cell Phone	City, State, ZIP
Fax	Notes	
E-mail		

ACCEPTANCE AND AUTHORIZATIONS

PLEASE SIGN BELOW TO CONFIRM YOUR ACCEPTANCE OF THE ATTACHED TERMS AND CONDITIONS.	
Owner of Test Results	
Signature	Name/Company

BREED ASSOCIATION AUTHORIZATION (if applicable)

I hereby request and authorize the disclosure of the Test Results for the enclosed samples to the American Shorthorn Association identified below. I also hereby agree to indemnify and hold Pfizer Inc. and its subsidiaries harmless for any claims or damages resulting from such disclosure.		
American Shorthorn Association Member # (s):		
Signature	Print Name	Date

PUBLIC RESULTS AUTHORIZATION

Pfizer Animal Genetics is dedicated to adding value to tested animals for customers through providing public access to Molecular Value Predictions and associated percentile ranking information. Inclusion of animals and their information on Pfizer Animal Genetics' sponsored public listings is enabled through authorization from customers for either groups of animals as provided below or through submission of authorization for individual animals on the Excel spreadsheet report. As owner or co-owner of the animals included on this form or report, I authorize Pfizer Animal Genetics to include Test Results for this group of animals on its public listings.		
Signature	Print Name	Date

PLEASE MAKE **REQUESTS, PAYMENTS & SAMPLES** DIRECTLY TO:

AMERICAN SHORTHORN ASSOCIATION 8288 HASCALL STREET OMAHA, NE 68124
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T: 1.877.272.0686
F: 402.393.7203
www.shorthorn.org

BILLING INFORMATION*

TOTAL AMOUNT DUE: (FROM PAGE 2 OF FORM) Payable to American Shorthorn Association	TOTAL # OF ANIMALS TO BE TESTED:
INDICATE PAYMENT METHOD <input type="checkbox"/> Bill my credit card. <input type="checkbox"/> I have enclosed a check.	
Name on Card	
Billing Address <input type="checkbox"/> Check if same as above	<input type="checkbox"/> Visa <input type="checkbox"/> MasterCard <input type="checkbox"/> Discover
Card Number	Expiration Date (XX/XXXX) /
Signature	CVV2 (Last 3 digits of number printed on the back of the card)

OFFICE USE ONLY	
DATE RECEIVED	JOB #:
DATE IN LAB	
SS:	
GK/GS	
ASSOC.	
EM/CONTACT	
RCS#	
LE: NO YES	
LE NARC LOAD	

PFIZER ANIMAL GENETICS PRICING GUIDE – EFFECTIVE JANUARY 1, 2011

STANDARD SHORTHORN GENOMIC OFFERING				
	Quantity	Price Per Test	# of Animals	Total Price
GeneSTAR® MVPs that utilize a 56-marker panel for the traits of Feed Efficiency, Marbling, Tenderness, Palatability Index and Homozygous Black.	1-49	\$27.50		
	50+	\$25		
SireTRACE® (Official Shorthorn Parentage) Parentage DNA Fingerprinting FOR SireTRACE PLEASE ALSO FILL OUT THE FORM ON PAGE 3.	All Volumes	\$35		
Pulmonary Hypoplasia with Anasarca (PHA) ⁺	1-49	\$25		
	50+	\$23		
Tibial Hemimelia (TH) ⁺	1-49	\$25		
	50+	\$23		
PHA & TH Combined ⁺	1-49	\$35		
	50+	\$32.50		
OTHER GENOMIC TESTS AVAILABLE				
	Quantity	Price per Test	# of Animals	Total Price
Arthrogyposis Multiplex (AM) ⁺	1-49	\$25		
	50+	\$23		
Neuropathic Hydrocephalus (NH) ⁺	1-49	\$25		
	50+	\$23		
AM & NH Combined ⁺	1-49	\$35		
	50+	\$32.50		
Coat Color (black)	1-49	\$22		
	50+	\$20.50		
Contractural Arachnodactyly (CA)	1-49	\$25		
	50+	\$23		
Osteopetrosis (OS) ⁺	1-49	\$25		
	50+	\$23		
Idiopathic Epilepsy (IE) ⁺	1-49	\$25		
	50+	\$23		
Alpha-Mannisodosis (MA)* A \$25 fee must be applied (per order, not per sample) for orders including MA testing.	1-49	\$43.50		
	50+	\$40		
	Shipping Fee	\$25		

* Items can be mixed and matched to achieve pricing threshold.

TOTAL DUE (Transfer to front of form)

**AMERICAN SHORTHORN ASSOCIATION
DNA FINGERPRINT IDENTIFICATION**

Company Name		Date	
Contact Person		Address	
ASA Member Number		City	
E-mail		State	ZIP
Phone		Notes	
Fax			

Enter information below on the Animal for which the DNA Fingerprint is to be performed.

Animal ID# Tag/Tattoo	Sex M/F	Sample Collector Barcode Number	Breed Registration Number	Full Registered Name	Check Sire / Dam	Indicate if DNA Sample Already on File	
							Job #
						<input type="checkbox"/> Y <input type="checkbox"/> N	
	Sire					<input type="checkbox"/> Y <input type="checkbox"/> N	
	Dam					<input type="checkbox"/> Y <input type="checkbox"/> N	
						<input type="checkbox"/> Y <input type="checkbox"/> N	
	Sire					<input type="checkbox"/> Y <input type="checkbox"/> N	
	Dam					<input type="checkbox"/> Y <input type="checkbox"/> N	
						<input type="checkbox"/> Y <input type="checkbox"/> N	
	Sire					<input type="checkbox"/> Y <input type="checkbox"/> N	
	Dam					<input type="checkbox"/> Y <input type="checkbox"/> N	
						<input type="checkbox"/> Y <input type="checkbox"/> N	
	Sire					<input type="checkbox"/> Y <input type="checkbox"/> N	
	Dam					<input type="checkbox"/> Y <input type="checkbox"/> N	
						<input type="checkbox"/> Y <input type="checkbox"/> N	
	Sire					<input type="checkbox"/> Y <input type="checkbox"/> N	
	Dam					<input type="checkbox"/> Y <input type="checkbox"/> N	

ACKNOWLEDGMENT

I hereby certify that the animals listed above were uniquely identified at the time of sample collection via the Animal Identifier listed on this Form. I further certify that I understand that the results of the requested service will be reported to the breed registry office.

Owner (or Authorized Representative) Signature: _____

Date: _____



**AMERICAN SHORTHORN ASSOCIATION
 SAMPLE INFORMATION FORM**

Company Name	Contact Name	Date	Total Samples Enclosed
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For all samples submitted to American Shorthorn Association, please provide the animal identification (i.e., ear tag number, tattoo, etc.), barcode from the sample collector, animal sex and breed. For registered animals the registration number and name are required if submitting to a breed association. For nonregistered animals birth date, sire registration and dam registration information is required if submitting to a breed association. Then check the desired testing for each animal.

REQUIRED for All Animals		REQUIRED for Registered Animals if Submitting to Association			REQUIRED for Nonregistered Animals if Submitting to Association					Test Requested (Check all that apply)								
Animal ID	Sample Collector Barcode	Sex B/C/S	Breed	Breed Registration Number	Breed Registration Name	Birth Date	Sire Breed Assoc.	Sire Breed Registration Number	Dam Breed Assoc.	Dam Breed Registration Number	GeneSTAR*	SireTRACE*	AM	NH	OS	IE	PHA	TH
Ex: U25	9000123456	B	Shorthorn	1538843	GS Double Star U25		ASA	1538600	ASA	1538211	✓	✓	✓				✓	
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		

*IF THE SireTRACE BOX IS CHECKED, PLEASE FILL OUT THE DNA FINGERPRINT/PARENTAGE IDENTIFICATION FORM.

For previously tested samples, please contact Pfizer Animal Genetics Customer Service at 1-877-BEEF DNA for an archived sample list.

- I have already filled out and submitted my archived sample list.
- I have filled out and enclosed my archived sample list with this order form.

1. LIMITATION OF WARRANTIES AND DAMAGES AND INDEMNIFICATION BY THE CONTRACTOR.

The parties specifically understand and agree that the analysis of the DNA in the Samples may not always result in accurate results. Many factors outside the control of Pfizer Animal Genetics, a business unit of Pfizer Animal Health, its Sales Agents or the Contractor affect the analysis, including factors such as accuracy and integrity of the Contractor's information systems, accuracy and completeness of collection of Samples from the animal, and the integrity of Samples during collection, shipment and storage.

Hence, there is risk involved in the rendering of the Services, and the parties agree that the following, which is a material part of this Agreement and the prices set forth in the Fee Schedule, shall govern:

- (a) **Limitation of Warranties.** Other than as expressly set forth in this Agreement, Pfizer Animal Genetics and its Sales Agents have not made any and hereby exclude all warranties, representations, terms, conditions or undertakings, whether express or implied, written or oral, statutory or otherwise, including any implied warranty of merchantability or of fitness for a particular purpose or intended use in respect of the Services.
- (b) **Limitation on Damages.** The Contractor's damages and remedies for any claim against Pfizer Animal Genetics or its Sales Agents arising out of the provision of Services, howsoever arising, (including arising under theories of breach of warranty express or implied, breach of contract, negligence, tort, strict liability, products liability, design defect, failure to warn, redhibition or statute) shall be limited, at Pfizer Animal Genetics' option, to:
 - (i) the resupply of the Services claimed to be defective; or
 - (ii) the repayment of the fees paid by the Contractor for the performance of the Services proven to be defective.
- (c) **Sampling Procedures.** Deviation from or failure to follow the collection procedures provided by Pfizer Animal Genetics may lead to error in analysis. Pfizer Animal Genetics shall not be responsible for or liable in any manner for any analytical error resulting from noncompliance with the Sample collection procedures.
- (d) **Adequacy of Sample.** Pfizer Animal Genetics may require submission of a further DNA Sample or Samples from the same test subject without charge, before proceeding with any DNA analysis specified in the Order.
- (e) **Sample Failures.** Samples may appear normal but are still unable to yield results. In this event, Pfizer Animal Genetics will request a replacement Sample at no additional charge. Pfizer Animal Genetics will not provide refunds for failed Samples.

2. ARCHIVING, OWNERSHIP AND USE OF SAMPLES

- (a) Pfizer Animal Genetics may, at its discretion, store Samples submitted to Pfizer Animal Genetics. At any time during this period, the Contractor may arrange for the Samples to be collected from Pfizer Animal Genetics at the Contractor's expense, with a minimum of thirty (30) days notice.
- (b) The Contractor agrees that Pfizer Animal Genetics has the right to use the Samples and data relating to them for the purposes of calculating group, breed and any other rankings and related analysis for comparative or contextual purposes to be used in reporting and analysis, for comparative and validation studies and for quality control in the commercialization of products or services. Pfizer Animal Genetics will own all data compilations and analysis, trade secrets or other Intellectual Property without compensation to the Contractor. Pfizer Animal Genetics will make all reasonable efforts to avoid knowingly compromising the ability of the samples to be used for future commercial testing, at the Contractor's discretion.
- (c) During any period in which the Contractor owns the Samples and data, all genetic information created or discovered by Pfizer Animal Genetics and specifically relating to a single animal or single Contractor will be kept strictly confidential unless otherwise agreed to, in writing, by both parties.

3. PAYMENTS; FEES FOR LATE PAYMENTS

- (a) **Method of Payment.** Payment shall be by check or credit card.
- (b) **Late Payments.** Payments are due promptly upon receipt of invoice. Payments will be considered late if Pfizer Animal Genetics does not receive payment within thirty (30) days of invoice date. The Contractor shall reimburse Pfizer Animal Genetics for all costs of collection, including attorney's fees and court costs. Pfizer Animal Genetics may hold all Samples and Services until the Contractor has paid all outstanding amounts in full.

4. AUTHORITY AND COMPLIANCE

The Contractor hereby represents and warrants that the Contractor has the full right, power, and authority to enter into and perform its obligations under this Agreement. Both Contractor and Pfizer Animal Genetics will perform all of their obligations under this Agreement in accordance with all applicable governmental laws, rules, and regulations.

5. COMPLETE AGREEMENT – MODIFICATIONS

This Agreement is the sole and complete agreement between Pfizer Animal Genetics, its Sales Agent and the Contractor regarding the Services, and supersedes all prior discussions, agreements or understandings. The terms of this Agreement may be modified only in a writing signed by both parties.