NATIONAL SWINE REGISTRY

DNA Testing Form

Owner Name: _____ **Owner #:** _____

Address: _____ **City:** _____

State: _____ **Zip:** _____ **Email*:** _____

Sample submission instructions: Collect DNA samples using procedures outlined on the SAMPLE COLLECTION PROCEDURE SHEET. Correspond each blotter card to the appropriate service or diagnostic test that needs to be performed. See the TEST DESCRIPTIONS and SHIPPING INSTRUCTIONS to the right. →

Test Descriptions

DNA Sample Banking*: ALL SIRES OF LITTERS FARROWED AFTER JULY 1, 2002, MUST BE BANKED OR PREVIOUSLY GENOTYPED. Provides for a DNA Database as future reference for parentage, breed composition and may also serve as a research bank when additional genes are identified. **DNA banking fee is $6 per card.**

Hal-1843* (Stress Testing): ALL SIRES are required to have official stress results on file with NSR. **This test fee is $25 per sample.**

BE SURE YOU ARE USING A NSR-APPROVED DNA CARD!

BLOTTER CARD INFO:

REQUIRED or will be rejected

Breed	Ear Notch	Registration #*

	REQUIRED FOR PUREBRED SIRES				
DNA Banking $6	HAL-1843 (Stress) $30	DNA Breed Profile $70*	DNA Breed Profile $140*	DNA Breed Profile $210* *USE TABLE BELOW TO DETERMINE PRICE*	Total Testing Cost

Shipping Instructions: After the card is dry, cover the sample area with the flap, place the sample(s) in a zip-lock bag to keep samples dry and mail to the address indicated below:

NATIONAL SWINE REGISTRY
ATTN: DNA
2639 Yeager Road
West Lafayette, IN 47906
Phone: 765.463.3594

DNA Breed Profile Test*: This procedure utilizes a gene marker panel for each animal to verify BREED (Duroc, Hampshire, Landrace, Yorkshire) COMPOSITION and COLOR. If you submit your DNA samples within 6 months from the date of sale (for purchased boars) or 12 months from birth (for raised boars), your DNA Breed Profile testing cost will be reduced to $70 per sample. If you submit your DNA sample more than 6 months from the date of purchase, or over 12 months of age, your fees will be assessed based on the rate schedule below.

Raised	Purchased	Breed Profile Cost
12 months of age or less	6 months from purchase date or less	$ 70.00
12 to 18 months of age	6 to 12 months from purchase date	$ 140.00
Greater than 18 months of age	Greater than 12 months from purchase date	$ 210.00

Remittance Enclosed: ☐   **Herdmark:** _____

$ _____
Total Testing Costs

Bill My Credit Card: MasterCard ☐   VISA ☐   DISCOVER NETWORK ☐

Credit Card #: _____   **Three Digit Security Code:** _____   **Exp.:** _____

Signature: _____

DNA Results

Please check (ONE) a box for how you would like to receive your DNA results.

☐ U.S. Postal Service

☐ *Email

Certification: I/we certify the blood samples taken from each animal identified above have correctly been labeled with corresponding identification numbers listed on this testing form. I also certify that I am the representative submitting this test form and have read and understand sample collection requirements. I/we agree to indemnify and hold NSR harmless against any losses, costs or damages, including attorney fees arising from the results of the performed tests.

Signature: _____

Date: _____

NATIONAL SWINE REGISTRY

DNA Sample Collection Procedures

This instruction sheet is intended to assist National Swine Registry members in collecting DNA samples for submission to the NSR office and to meet DNA requirements for sires when registering purebred Duroc, Hampshire, Yorkshire and Landrace litters. **Only OFFICIAL NSR BLOTTER/HAIR CARDS will be accepted.** Cards must be purchased from the NSR office for $6 each.

Blood Collection

1 Locate vein on ear. Clean area with moistened cloth (water or rubbing alcohol). Wipe dry. Pierce vein with sharp end of the disposable lancet (provided) or a clean, sterile hypodermic needle.
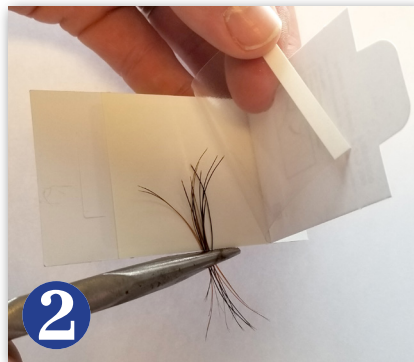

2 Withdraw lancet. Allow blood to collect on skin's surface. Allow blood to drip onto all 4 blotter card indicator circles. Make sure blood soaks through felt paper. Let card dry for 24 hours.

Hair Collection

1 Using pliers, pull hair making sure follicle (root) is intact.

2 Place hair on NSR-approved hair card. Make sure follicles are under the clear tab. Trim off excess hair outside the card. Make sure there are 30-50 hair follicles – it may take 4-6 hair pulls to get enough.

Blotter Card

Hair Card

Complete the space on the card for Owner, Breed, Ear Notch and Registration Number immediately to assure that sample is properly identified. Complete the breeder information on the NSR Testing Form with the sample ID and Breed.

3 Make certain that the sample is correctly identified with the owner, breed, ear notch and registration number.

4 Return the BLOTTTER or HAIR card to the NSR office with the DNA Testing Form, and indicate the sample banking and/or diagnostic tests requested for the corresponding sample.

Type of samples accepted:

- **BLOOD**
- **RAW SEMEN** *DO NOT USE EXTENDED SEMEN* (same as Blood card method • Note on sample it is semen)
- **HAIR**