BLOTTER CARD INFO:

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<tr>
<th>Breed</th>
<th>Ear Notch</th>
<th>Registration #*</th>
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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 *REQUIRED ITEMS

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.

DNA Breed Profile Test*: This procedure utilizes a gene marker panel for each animal to verify BREED (Duroc, Hampshire, Landrace, Yorkshire) COMPOSITION and COLOR. The test fee is $80 per sample.

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

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

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: ________________________________
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.

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

4. Return the **BLOTTER** 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**

**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.

3. 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.

4. Return the **BLOTTER** 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.