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!

<table>
<thead>
<tr>
<th>Breed</th>
<th>Ear Notch</th>
<th>Registration #*</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Age</th>
<th>Sample Submission Date</th>
<th>Total Testing Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 months of age or less</td>
<td>6 months from purchase date or less</td>
<td>$70.00</td>
</tr>
<tr>
<td>12 to 18 months of age</td>
<td>6 to 12 months from purchase date</td>
<td>$140.00</td>
</tr>
<tr>
<td>Greater than 18 months of age</td>
<td>Greater than 12 months from purchase date</td>
<td>$210.00</td>
</tr>
</tbody>
</table>

DNA Results

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

- U.S. Postal Service
- Email

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.

### 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.

### Type of samples accepted:

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

Blotter Card

Hair Card