HOW TO DNA PARENT VERIFY AND REGISTER YOUR CATTLE

DNA PARENT VERIFICATION

1. Get a **DNA Kit** from the American Aberdeen Association®. Fullbloods must be parent verified. Moderator cattle only need to be parent verified IF they meet the qualifications below.

To order a kit: call the AAA office at (303) 840-4343

DNA supplies available for purchase:

Allflex TSU's (Tissue Sampling Unit Box of 10)	$25 each
TSU Applicator	$25 each
Blood Cards (10 min)	$1 each
Hair Cards (10 min)	$1.50 each

DNA Parent Verification is required for:

- Fullblood cattle registrations
- Moderator®/Purebred bulls used artificially (A.I.) must be verified to American Aberdeen portion of pedigree.
- Moderator®/Purebred females who will be flushed must have DNA type on file – parent verification not required.
- Parentage Verification is not necessary for the registration of Moderator®/Purebred animals (Go to AmericanAberdeen.com/AAA/Bylaws & Policies/Rules & Regulations)

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2. Once you have received your DNA kit, obtain a blood or hair sample.
Cattle over 6 months - require a hair sample, blood sample or a TSU (Tissue Sampling Unit).
Cattle under 6 months - require a blood sample or a TSU (Tissue Sampling Unit).

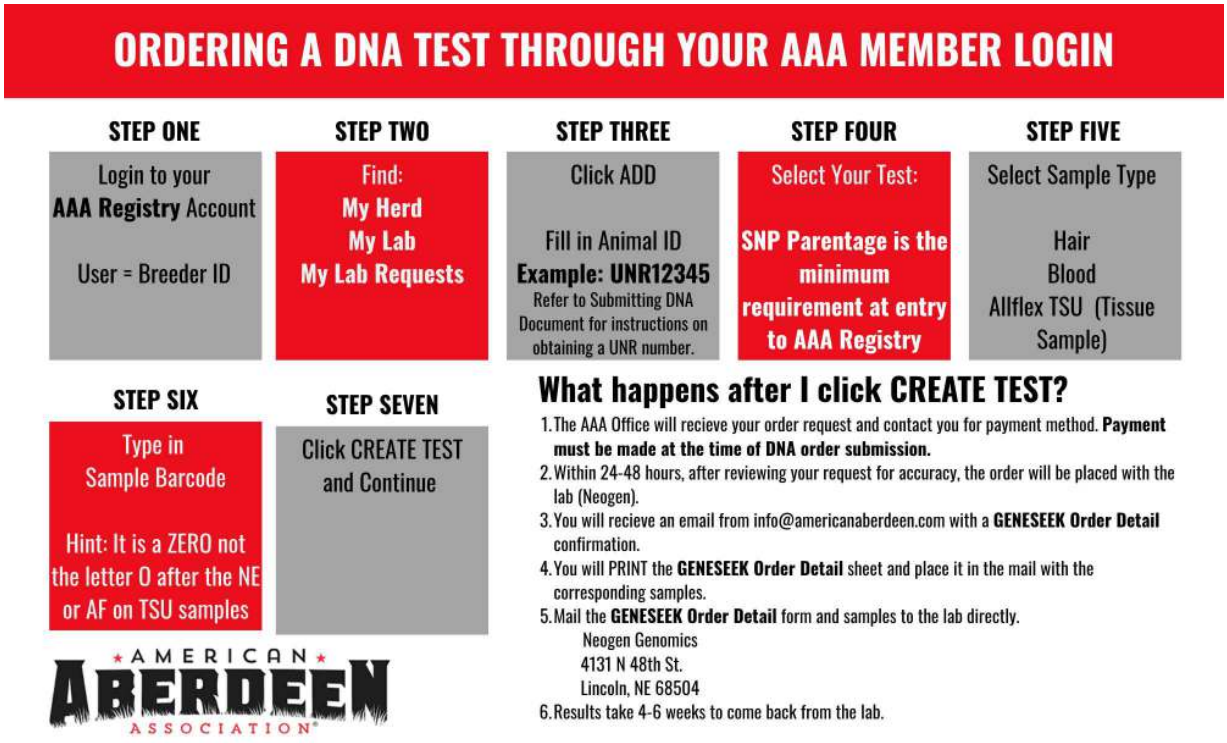
Need help with obtaining blood or hair samples?
See **How to Collect DNA from Cattle**
Go to: AmericanAberdeen.com/Members/Resources/HowTo/How to CollectandSubmitDNA then see document **How to Collect DNA From Cattle**

3. Select an option for submitting your DNA samples:

1) Order a DNA test through AAA Registry/Member Login

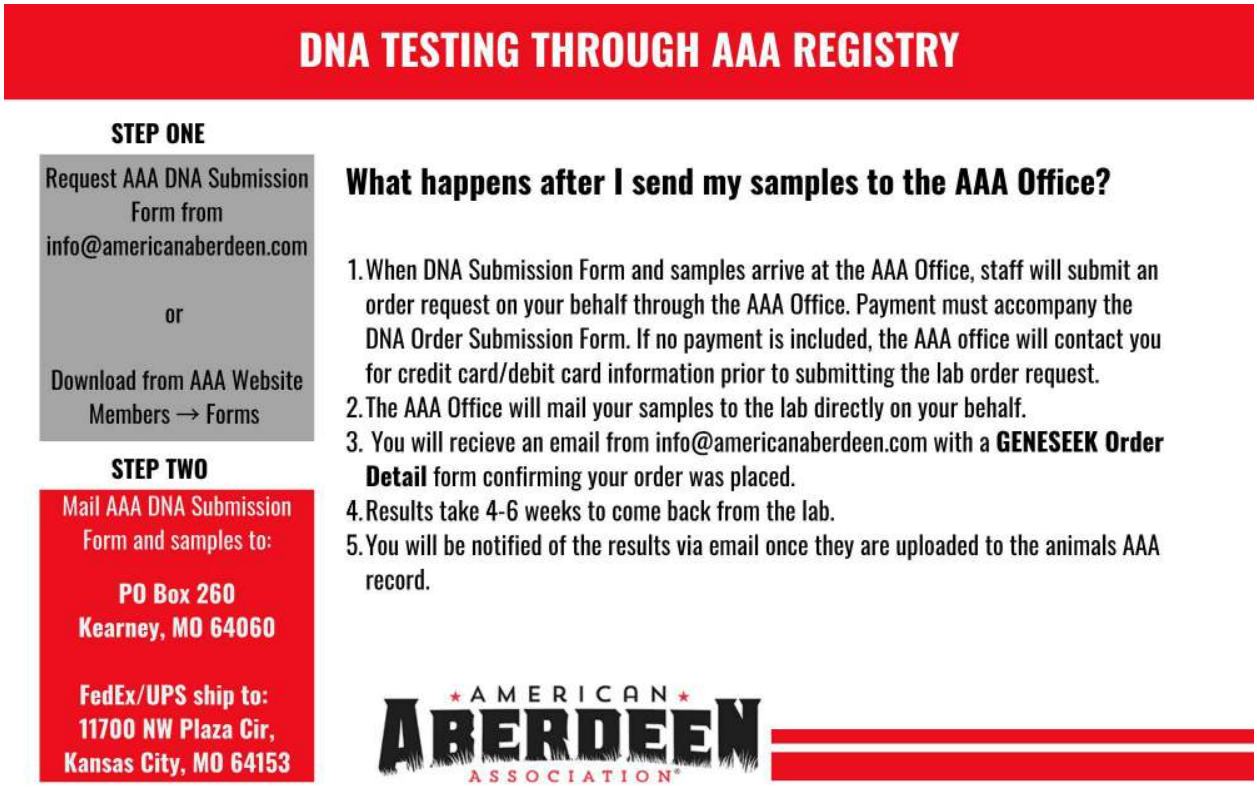
Or

2) Order a DNA test through a hard copy submission form



OR

2) Order a DNA test through a hard copy submission form from AAA Registry



You may have received a **DNA Submission Form** with your DNA kit or you can get a DNA form on the website: Go to AmericanAberdeen.com/Members/Forms/DNA Form and download

See more information about submitting DNA below:

Submitting DNA

Testing Options & Fees

- SeekSire Parentage $30.00
  - Includes entry of animal into AAA Database
- Coat Color (Black/Red) $20.00
- BVD PI (available for tissue or hair samples only) $8.00
- Hair Sample Processing $5.00
  - For each hair sample enclosed.
- Hair Carding Fee $2.00
  - For each un-carded hair sample enclosed

DNA Notes

- Only Fullblood cattle must be parentage verified for registration.
- For animals six months old or less, use a blood card or a TSU.
- If sending in hair samples, make sure to pull (do not cut) hair from tail switch.
- Order DNA supplies through the American Aberdeen Association.
- Please completely fill out and use the Aberdeen DNA form for Option 2 instructions below.

Sample Types

- **Hair** – Pulled from the switch/bottom of the tail. Must contain visible root ball. **Hair samples must be placed on the Neogen Hair Cards.**
- **Blood** Card – a small amount of blood acquired from pricking an ear or drawing from the tail. Blood must be placed on a lab FTA Blood card.
- **Allflex TSU** – a small plug of tissue taken from the ear in a TSU collector tag. Collectors and supplies can be ordered from the link above.
- **Semen** – semen can be submitted in its original straw. Straws can be thawed and must be shipped in a box with protection.
- **Atypical** – contact the office for instructions on atypical samples (meat, ears, etc)

DNA Submission Methods

Option A: Through AAA Cattle Registry

1. Login with Username & Password
2. My Herd → My Lab → My Lab Test Requests
3. Click Add
4. Type in animal's registration number or UNR record (see below to get UNR record)
5. Select Test Request
6. Sample Source – select then type in sample barcode (except hair samples).
7. Parents will automatically fill in, additional parents can be added
8. Click Create Test & Continue with additional animals
9. AAA Staff will review orders and place a Preorder with Neogen. An Order Confirmation sheet will be emailed to you.
10. Print & Mail order confirmation received to Neogen Genomics with Samples

Option B: Hard Copy Submission Form

1. Forms are available at www.americanaberdeen.com.com.
   Members → Forms → DNA Form

Completed forms should be sent with samples to the AAA office. The AAA office will complete the test request and mail samples to the lab.

*To get UNR record on a calf, go to My Performance → My Calving. Select calving year and click Add. Fill out all available information on the calf. At bottom, click save.

Leave the "Register" box unchecked.

QUESTIONS ABOUT DNA RESULTS?

DNA results are sent upon completion. If email results were requested and you have not received them, remember to check spam or junk mail.

If responding to a DNA report please reference the order number, barcode and provide the official name and registration number of additional parents to try.

REGISTER YOUR CATTLE

In order to apply for registration, you will need the following:
a. Your animal's tattoo numbers. For more info please see the article **Guidelines for Tattoo Requirements**. To view: AmericanAberdeen.com/Resources/ HowTo/ HowtoTattooCattle.

If you DNA Parent Verified your cattle prior to November 1, 2021*, you will also need:

b. the barcode from the Neogen DNA Parentage Report
c. a copy of the Neogen DNA Parentage Report either saved to your computer or printed out.

**Animals DNA parent verified after November 1, 2021 will have the barcode and a copy of the DNA Parentage Report stored at the registry.*

6. You may apply for cattle registration either ONLINE or through US MAIL.

How to apply for cattle registration ONLINE:
Login to your online member account. Go to: AmericanAberdeen.com/Member Login (top right)/AAOnline/BreederOnlineLogin/MyPerformance/MyCalving and fill out the form.

Note: online applications are processed with credit cards only.

If you need help with online cattle registration: See **Guide to AA Online**.
Go to: AmericanAberdeen.com/Members/Resources/GuidetoAAOnline

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- If you DNA Parent Verified your cattle prior to November 1, 2021 - During the application process you will need to upload your DNA Parentage Report with the application for registration OR you may email your DNA Parentage Report to cattleregistration@americanaberdeen.com at the time you apply for registration online.
- If your registration requires a certificate of embryo recovery (embryo transfer calves), it is recommended that you submit your application via the mail and include all documents with your application.

How to apply for cattle registration via US MAIL:

Get the Single Animal Registration Form
Go to: AmericanAberdeen.com/Members/Forms/SingleAnimalRegistrationForm

Fill out the form and send with a check and the DNA report to:

American Aberdeen Association
P.O. Box 260
Kearney, MO 64060

AAA Office Phone Number: 303-840-4343

IMPORTANT INFO FOR AMERICAN ABERDEEN BREEDERS

DNA samples submitted through the American Aberdeen Association are retained by Neogen for about a year, then disposed of. Frequently, if a breeder needs an additional DNA test, it is difficult to locate the original sample and even if the sample can be found, there may not be enough of the original sample to perform the needed test.

It is important to plan ahead and, in the case of stored embryos or semen, there may come a time when a sample of the DNA of the donor cow or AI sire might be needed. It is therefore strongly recommended that breeders keep a DNA sample in their possession for their donor cows. If frozen semen is on hand for an AI sire, that can be used as a DNA sample if needed. Please note that TSU's require temperature and humidity control to be safely stored so in this case, we recommend a hair or blood sample, collected on a blood or hair card as provided by Neogen. Please contact the office if you have any questions.