

1. The exhibitor is responsible for getting their FFA advisor or Extension Personnel the DNA for their barrows. FFA advisor or Extension Personnel will mail the cards for the barrows to the Missouri State Fair. Cards sent from individuals are not acceptable and will be returned.
2. The deadline for providing DNA sample cards is May 15 and also must be received within 10 days following. Postmarks must be posted on or before deadline, and metered-mail is acceptable.
3. DNA samples must be on a card provided by the Missouri State Fair and show the date, exhibitor name, county and animal ID number. The ID **must** be the ear notch number, listing ear tag or tattoo numbers are helpful.
4. DNA sample cards are for file reference only and does not constitute an entry into any class. Normal entry procedures must be followed per Missouri State Fair premium guide.
5. Each exhibitor may nominate a total of fifteen (15) barrows. These may be of the same or different breeds. Barrows may be purebred, crossbred or a combination to be nominated.
6. A given animal may be nominated by a brother or sister on the same card and must be marked with both names.
7. An exhibitor may enter an animal in the Missouri State Fair that does not have a DNA sample card on file, but such animals will not be eligible for Breed Champion or Grand Champion in the division. A DNA sample card will be required before an animal can be named Breed Champion or Grand Champion.

The question is: What is the rule related to taking DNA samples on non-ownership declared animals. It is ethical and within the rules for members to take a DNA sample on each animal, for each family member enrolled in the project, and send it to the Missouri State Fair. After the family members decide ownership, they will have cards on file. If they have partnerships, then they must be in compliance with rules #6 and #7 as listed above and the partnership rules of the Missouri State Fair premium guide. You can always send in more cards than you need, but it's hard to pull a card from the Missouri State Fair file, if it has not been entered.

Instructions for Blood Card Collection
READ CAREFULLY

1. Write animal ID (ear notch), your name, breed and date on card.
2. Locate a vein on the ear or other body part from which the sample will be collected.
3. Thoroughly clean skin surface with alcohol.
4. Use sterile syringe needle to puncture the vein or skin. Use a separate needle for each animal.
5. Blot the blood onto the inside sample collection card (enough so the blood is visible on the reverse side of card). A spot the size of a quarter is ideal.
6. Always use a separate card for each animal (1 card = 1 animal).
7. Allow blood card paper to dry by laying it on its side with cover open. NEVER allow blood paper from one card to touch blood paper from another or contamination will occur.
8. **VERY IMPORTANT:** To prevent bacterial and fungal growth, which may destroy the DNA and require you to resubmit, allow card to dry completely before closing cover for storage. During wet, humid or cold days, cards may require drying in an air-conditioned or heated environment. Do NOT dry in ultraviolet light (sunlight). A household lamp can be used when placed 6-8" from sample. The card is dry when the blood turns from red to brown.
9. When card is completely dry, close cover for storage. **WET CARDS CANNOT BE PROCESSED. YOU MAY HAVE TO RESUBMIT IF CARDS ARE NOT DRY!**