

ENTRIES

Please note that the DNA Sample does NOT constitute an entry submission. Entries are completed online, separately from DNA Submission. Visit www.anls.org to submit online entries.

****Please note:** When the online entry has been submitted and accepted (on or before October 31), ShoWorks will generate a confirmation email to the address used to submit the entry. If a confirmation email is not received, then the online entry is considered INCOMPLETE.

SUBMISSION:

- A DNA sample for each Market Cattle, Lamb, Swine and Goat must be submitted by the October 31 deadline.

SAMPLE ENVELOPES:

- A separate DNA Sample Envelope is required for each market animal. A minimum of 40 hairs with roots (follicles) attached must be included in the envelope. Hair must be pulled from the animal, not cut or clipped.
- All information on the DNA Sample Envelope must be completed including signatures. The DNA Sample Envelope must be sealed prior to submission to Arizona National.

Entry Deadlines

Mkt Cattle, Swine, Sheep & Goat DNA & Entries
October 31



SHOWING-OFF *is Encouraged*



Please return kit to the following:

ARIZONA NATIONAL LIVESTOCK SHOW

1826 West McDowell Road
Phoenix, AZ 85007-1696

P: (602) 258-8568

F: (602) 257-9190

www.anls.org



@arizonanational

DNA HAIR SAMPLE *Collection Instructions*



**ARIZONA
NATIONAL**
Livestock Show

PULLING HAIR

for DNA

1) PREPARE FOR COLLECTION

Clean the sample area to remove dirt or other contaminants. Use bent, long needle nose pliers to collect the sample. The hair **MUST** CONTAIN **ROOTS** for DNA testing. Avoid touching the roots and make sure the hair is dry.

Note: Do NOT cut the hair from the animal.

Please refer to the Premium Book for Species specific information.

Please make sure to record the AZN Sample number (ex. AZN XXXXX) with the specific animal's unique identification to use when filling out Online Entries.



CHECKLIST

- ☐ Collect hair using needle nose pliers
 - Cattle collect from tail switch
 - Sheep & goats collect from toes
 - Swine collect from loin or rump
- ☐ Obtain at least 40 hairs with follicles
- ☐ Inspect for follicles-do NOT touch follicles
- ☐ Place hair samples in the envelope
- ☐ Complete all information on the envelope including signatures
- ☐ Clean pliers and hands between animals

2) A. SHEEP & GOAT HAIR SAMPLE COLLECTION

Pull a tuft of hair from the leg, just above the toes. Pull the hair directly away from the skin, NOT at an angle. This will allow the root to come out with the hair. Pull at least twice.



2) B. SWINE HAIR SAMPLE COLLECTION

For swine, we recommend coarse hair from the loin or rump. If the animal has been shaved, hair can usually be found between the toes, on the jowl/face, inside the ear, or around the tail head. You will need at least five pulls to get enough hair. Pull a tuft of hair from the animal. Pull the hair directly away from the skin, NOT at an angle. This will allow the hair root to come out with the hair.



2) C. CATTLE HAIR SAMPLE COLLECTION

From cattle we recommend that you collect tail switch hair. If this is not an option, then collect hair from the poll, neck or tail head. Grasp hair close to the skin with pliers and pull directly away from the skin. Take at least two pulls. If tail switch is not available, then take at least 5 pulls from the poll, neck or tail head.



3) INSPECTING SAMPLE

Inspect the hairs sample to ensure at least 40 hair follicles or roots. The roots are easy to see in goats (like human hairs with a bulb at the end), but difficult in sheep. In sheep, you may notice a color variation which indicates that the root is intact.



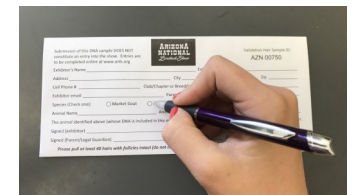
4) PLACING SAMPLE IN ENVELOPE

Place the sample in the hair sample envelope, and then seal the envelope in the presence of the exhibitor and parent/supervisor. Do not put hairs in a plastic bag.



5) ENVELOPE

Fill out the remaining information lines on the envelope, including signatures



6) CLEANING HANDS & PLIERS

REMEMBER: Cleanse hands and pliers between animal samples to ensure that hairs from different animals are not mixed.

