

ASA'S 2018 COW HERD DNA ROUNDUP(CHR)

INSTRUCTIONS FOR COLLECTION AND SUBMISSION OF SAMPLES

FILL OUT SAMPLE CARD AS SHOWN

ASA registration or on-file number, tattoo and name(if applicable)

*If utilizing Allflex TSUs make sure to note down which female's DNA was collected in each unit.

3116106448

CNS DREAM on L186
(Name)

2144976 / L186
(Animal ID)

(Signature)

(Date)

COLLECT ALLFLEX TSUs/BLOOD/HAIR SAMPLE ON ANIMAL

- Check the tattoo/tag in the ear of the animal being tested and ensure the tattoo/tag is noted down on the information being collected on the TSU or blood/hair collector card.
- **For optimal Allflex Tissue Sampling Unit(TSU) collection results**, see instructions supplied with your TSU order. If you need additional instructions please contact ASA.
- **For optimal blood collection results**, it is recommended to fill the circle completely with blood but try not to saturate the card. Allow blood to completely air dry before closing the top flap. Do not blow on sample or use any type of drying device to expedite process. The most critical component of collecting the blood sample is the drying process, it can take about 2-5 minutes for the blood to dry to the card. See detailed collection instructions on the reverse side. **Keep in mind, a hair/Allflex TSU should be submitted on all twins since blood may not be viable for DNA testing.*
- **For optimal hair collection results**, it is recommended to pull a pencil thickness of hair (25-40 follicles) from the switch of the animal's tail making sure the root bulbs are clearly visible. Please ensure that the collected hair is dry and free of dirt, dung, and plant material. Do not pull hair from other areas of the body, as it may not produce the follicles necessary for testing. Transfer sample to a hair collector card without touching the root bulbs. Place root bulbs under the clear film, close clear film and top flap, thus securing and protecting the sample. See detailed collection instructions on the reverse side.

MAILING SAMPLES

- Mail samples, copy of cow herd inventory with barcodes and project agreement to:
AMERICAN SIMMENTAL ASSOCIATION
ATTN : CHR
1 GENETICS WAY
BOZEMAN, MT 59718

INSTRUCTIONS FOR BLOOD SAMPLES

BLOOD SAMPLE COLLECTION

Five to eight drops of blood are needed on the collector portion of the card. This can be collected from anywhere on the animal. Two locations for easy-to-find blood vessels are the ear and the underside of the tail.

- Appropriately restrain the animal.
- Locate a blood vessel, visually or by palpation. Clean the area so the sample is not contaminated with dirt or manure.
- Use a clean needle or lancet for every animal.
- Penetrate the blood vessel with the needle. Let a few drops of blood run uncollected to be sure the sample is not contaminated.
- Collect five to eight drops of blood on the collector portion of the collection card by allowing the blood to drip or squirt onto the card. Do not wipe the needle, ear or tail on the collection card.
- Discard the needle in an appropriate disposal container.



INSTRUCTIONS FOR HAIR SAMPLES

- Pull (do not cut) hair from tail switch.
- Make sure hair is free of fecal material and dirt.
- Root bulbs must be clearly visible.
- Open the hair collector and peel back the plastic cover, insert hair in as shown in picture below.



- Insert the root end of the hair to the middle of the collector card. Seal the plastic cover over the hair by pressing firmly and then fold down the flap and insert the tab in to the slot to close. **Please note: Lab recommends pulling 25-30 follicles for testing.*
- Trim the excess hair extending from the collector card.

Note: ASA reserves the right to reject samples based upon quality, condition or insufficient blood/hair follicles. Please follow directions as outlined on the first page or above to ensure good quality collection techniques.