



Tissue Sampling Unit

Producer Guide

zoetis



Getting Started

To select the best beef cattle, you need the right data. Data powered insights help optimize breeding and selection decisions – from purebred bulls to commercial replacement females, to feeder cattle. Getting the right data starts with a sample.

TISSUE SAMPLING UNITS, ALSO KNOWN AS TSUs, ARE A FASTER AND SIMPLER METHOD FOR COLLECTING CATTLE DNA

QUICKER SAMPLING AND RESULTS

- Easy as ear tagging – collect the sample in seconds while cattle are already being processed
- Faster results – lab turnaround times are quicker

CLEANER AND CONSISTENT QUALITY

- Less chance for cross-contamination
- Higher-quality samples mean fewer failed tests and reruns
- More Data from One Sample
- A single sample can support multiple tests

THE BOTTOM LINE:

BETTER SAMPLES MEAN BETTER DNA RESULTS — AND BETTER DECISIONS.



Allflex TSU

Sampling with Allflex TSUs



1. Document the animal ID alongside the corresponding TSU number.
2. Ensure the applicator is loaded properly.
3. Prepare the Allflex® tissue sampling applicator by loading a single-use TSU and place over the ear.
4. Position the applicator approximately 1 inch from the edge of the ear. Avoid veins, ridges, tattoos, dirt, or manure. Squeeze the applicator handles together using a swift motion.

5. Release and free the ear. Turn and open the retention ring to remove the TSU tube.
6. Ensure the sample is appropriately sealed and of good quality. Quality samples should contain a cartridge core between two rings of flesh and a green ball at the bottom. Resample the animal if needed.
7. Add the sample to the provided box and label. Reverse the applicator and dispose of the cutter to prepare for reloading. Store the samples at room temperature and away from sunlight for up to 6 months. (Photo 1)
8. Next, it's time to submit your sample.



Photo 1: Allflex box filled with tissue samples.

Incorrect



Correct



Photo 2: Example of incorrect (left) and correct (right) tissue samples.

Submit Samples

1. Download the DNA Test Request and TSU and Hair Card Information Form
www.cdnangus.ca/forms/dna-request-form

2. Enter Membership Number, TSU#, animal tattoo and test type

3. Email form to registry@cdnangus.ca

4. Mail samples and await results

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