Assembly Instructions

DATAMARS Livestock

Tissue Sample

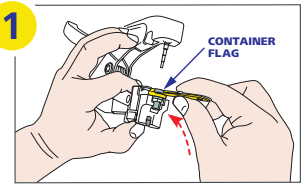
TISSUE SAMPLE ONLY

TISSUE SAMPLE TAGS

Note: Always clean all manure, dirt and debris from the ear before sampling.

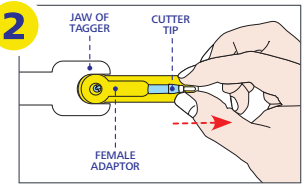
TISSUE SAMPLE ONLY

1



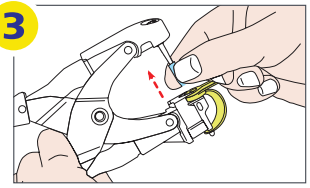
Push the yellow plastic plate up and slide the container tag underneath it. Make sure the container is firmly clipped into the tagger.

2



Remove the blue cutter tip from the tag leaving the female adaptor attached to the container. Clip the container tag onto the tagger lug.

3



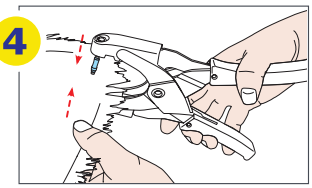
Load the blue cutter tip onto the tagger pin, then position the sample flag beneath the tagger.





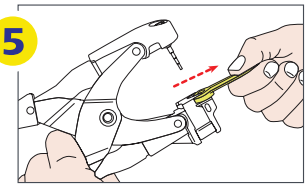
Tissue Sample Only

4



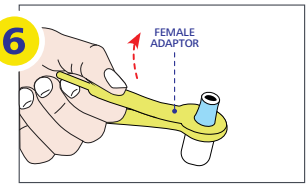
Compress the tagger handles completely to take the DNA sample. Make sure the handles have released completely after taking sample to prevent torn ears.

5



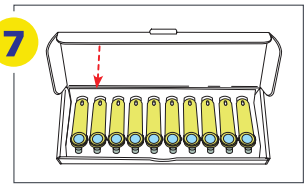
Remove container tag from the tagger, then check that the cutter tip is present in the container and sample has been taken.

6



Gently remove the female adaptor/cutter tip holder from the container tag. Must be removed **after use** for laboratory.

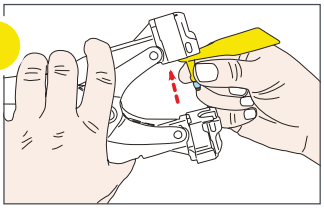
7



Write and record visual tag number on the info card provided. Send samples to the laboratory.

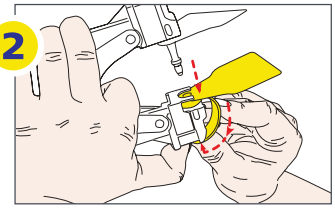
TISSUE SAMPLE TAG

1



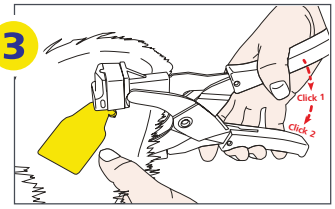
Slide the male tag onto the tagger pin. Position the male flag on the left or right side.

2



Push the metal plate up and slide the container tag underneath it setting firmly in the jaw of the tagger. Attached the container tag to the lug under the tagger jaw. Test alignment of the female tag and the cutter tip by gently closing the tagger. Do not fully compress the tagger handles.

3



Position the tag in the middle of the ear with the male tag facing the back of the ear. Drive the tagger all the way through the ear to feel a double click. Make sure the handles have released completely after taking sample to prevent torn ears.



Tissue Sample Tag

Learn more:

support.livestock.datamars.com

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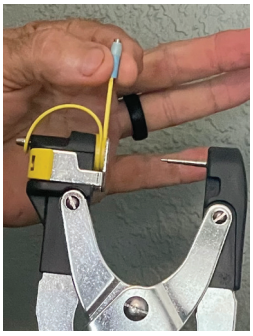
Dos & Don'ts for Tissue Sample Tagging

DATAMARS Livestock

Dos	Don'ts
Replace any cutter tip that has gotten dirty, or fallen onto the ground, with a fresh clean replacement before sampling.	Do not use cutter tips that have fallen on the ground or gotten dirty.
Handle cutter tip by its sides. Avoid any contact with metal portion of the cutter tip.	Do not rub, push, or touch end of cutter tip with fingers (keep it clean).
Wipe off any excess dirt with water and towel. Ideally clean ear with >95% ethanol to minimise bacterial contamination.	If an animal has been freshly tattooed, avoid getting any ink in the sample.
Position cutter approximately 2.5 cm from the edge of the ear, avoiding veins. A distal location on the ear is preferred.	Do not use other chemicals (eg bleach) as these can adversely affect sample integrity. Avoid insect repellents and cleaning agents during sampling process.
Squeeze applicator handles together in one swift, fluid, motion with enough force to pierce the ear and produce a 'click'.	Do not store samples in direct sunlight or wet environments for prolonged periods.
Sample calves as soon as possible for the earliest results. Best time to sample is when an animal is restrained and safe for someone to take a sample. If sampling a newborn calf, be sure to wipe the ear clean so that no DNA is transferred from the mother.	If excess hair is protruding from the top of the sample container do not pull, ensure cutter tip is fully inserted then trim hair with scissors.
Tissue Sample Only can be stored for up to one year (12 months) in a dry room temperature environment.	Do no sample if fecal matter or dirt is present on ear at sampling point.
For long term storage (over 12 months), place samples in deep freezer without auto-defrost capability.	Do not store samples in auto-defrost freezers – such as the one in your kitchen.
For BVD testing, send samples within 24 - 48 hours of collection.	Before investing in genomic testing, screen for diseases, such as animals persistently infected with bovine viral diarrhea (BVD-PI).

For best results, avoid touching the metal cutter tip before or during the application process.

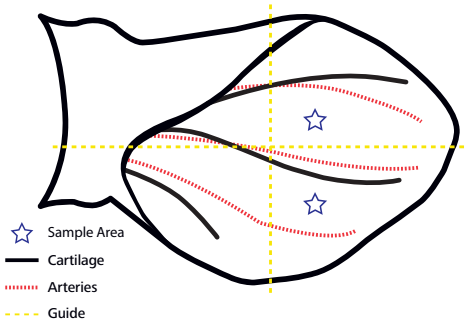
CORRECT



INCORRECT



EAR LOCATION



RECOMMENDATIONS

Storage on Farm

- Store either in a cool, dry, dark place or in the refrigerator. Do not freeze sample containers during preservation period (first 12 hours).
- Ensure the location has a stable temperature and remains dry throughout the storage period.
- Recommended storage up to 12 months. For long term storage (over 12 months), place samples in deep freezer without auto-defrost capability.

Sending Samples for Testing

- Prior to shipping, wipe off samples to remove any mud, manure or blood to minimise risk of contamination at sample extraction and scanning.
- If only sending a small number of Tissue Sample Only, place samples in a zip lock bag or the cardboard box in which the Tissue Sample Only were supplied.
- Depending on the number of samples, place Tissue Sample Only in a tough bag or envelope for sending.

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