

### EQUIPMENT NEEDED

To take a tissue sample using the Allflex Tissue Sampling Unit, the following tools are needed:

1. An Allflex tissue applicator
2. Allflex tissue punches
  - Animals should be restrained during sampling (For example, by crowding in an alley or by using a head gate).

TSU's should be stored at room temperature prior to use (for a maximum period of 12 months). Care should be taken not to expose the unused product to extremes of heat or cold prior to sampling.

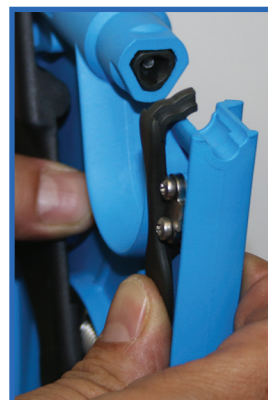
### HOW TO USE THE ALLFLEX TISSUE APPLICATOR

#### A. LOADING THE ALLFLEX TISSUE APPLICATOR

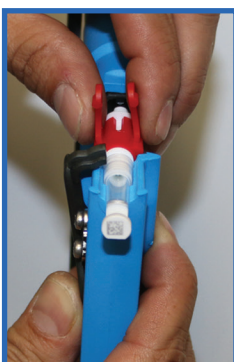
① Remove a TSU Punch from the packaging. Punches should be assembled as one piece: if they have come apart, reassemble.



② Ensure the tube retainer at the base of the applicator gun is open. Push the retainer clip to open.



③ Insert the punch into the tissue applicator as shown below. Release clip to lock punch into the device.



④ Carefully squeeze the applicator handles together, guiding the punch tip into place if necessary. When fully seated the gun bolt will rest flush against the red plastic clip.



⑤ Release the handle



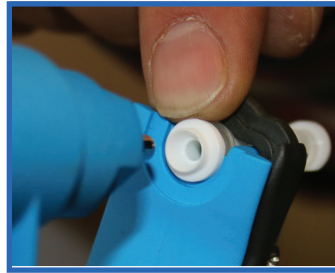
⑥ Remove the red plastic clip by pulling it outward. **TAKE CARE NOT TO CUT FINGER ON THE METAL CUTTER-IT IS VERY SHARP.**

⑦ The applicator is now loaded and ready to take a sample. All parts are for one-off use only; do not re-use metal cutters.

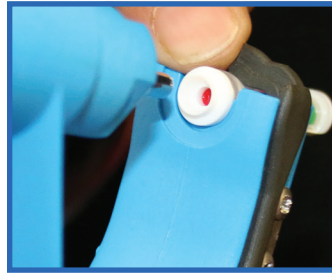


## B. TAKING THE SAMPLE

① Ensure the tissue applicator is loaded with an unused tissue punch (the red plunger is visible in used punches).

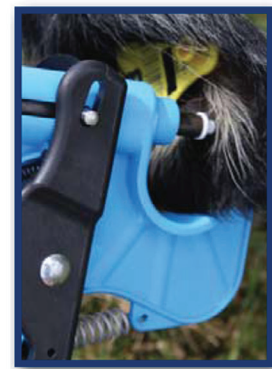
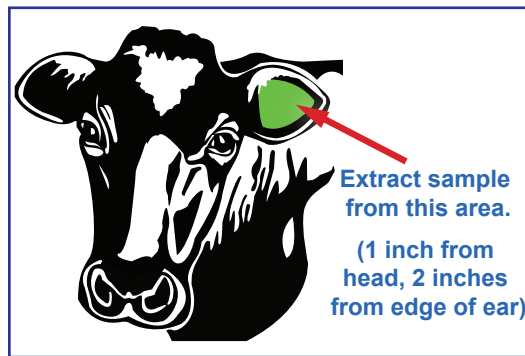
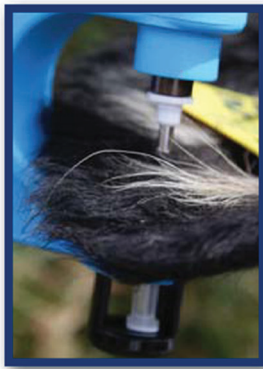


Un-used punch



Used punch

② Slide the gun over the ear, and position the cutter approximately 1 inch from the edge of the ear, taking care to avoid any obvious veins and ridges.

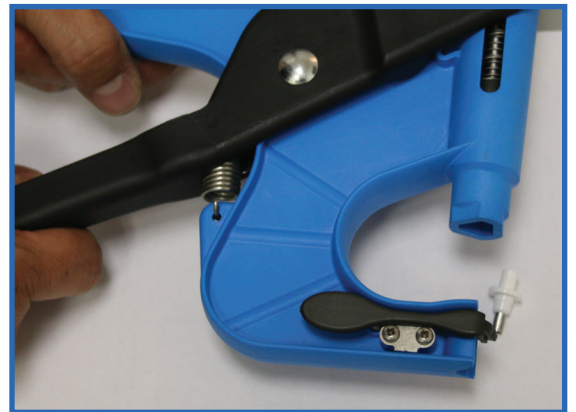


③ Squeeze handles together to take a sample and then release to free the ear. Try to do this in one swift, fluid, motion. Move with the animal and don't fight its movements.

④ Remove the punch from the device and check that sampling has been successful. If not, discard the sample and re-sample with a new punch.



⑤ Remove the used cutter from the applicator by pulling the handles apart. This will loosen the cutter. Discard safely. CAUTION: THE CUTTER IS VERY SHARP.



Once the tissue sample has been extracted, care should be taken to store the product at room temperature if it will be dispatched to the laboratory within 2 weeks; otherwise, it is recommended that the samples are stored in a refrigerator or freezer to ensure complete preservation of the tissue sample. (The best results are obtained when the samples are analyzed within one year after the sample collection.)

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