

To take a tissue sample using the Allflex Tissue Sample Unit (TSU) the following point is important :

- Animals should be restrained during sampling.

● HOW TO USE THE ALLFLEX TISSUE SAMPLE UNIT (TSU)

A. LOADING THE ALLFLEX TISSUE APPLICATOR



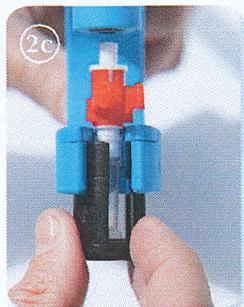
1. Take an assembled TSU (needle + connection piece + collection tube).



2a. Open the TSU retention ring on the pliers



2b. and insert the TSU as shown in the pictures,



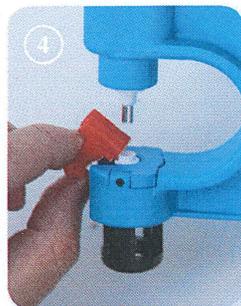
2c. after insertion of the TSU close the retention ring to lock the tube.



3a. Carefully squeeze the plier handles until the large piston comes to a stop against the red connection piece.



3b. You have now completely grabbed the needle. After the needle is inserted into the piston you can release the handles.



4. You can now easily remove the red connection piece by clicking it off using the two red handles.

TAKE CARE NOT TO CUT FINGERS ON THE METAL NEEDLE. IT IS VERY SHARP !

5. The pliers are now charged and ready for use. At first this charging action seems long but with experience this should only take a couple of seconds.

B. TAKING AN EAR NOTCH SAMPLE

1. The TSU is for SINGLE USE only, both the tubes and the needles can't be re-used ! Below the difference between a non-used and a used TSU.



un-used punch



used punch

In the used TSU a clear RED plunger will be visible indicating the tube already contains a sample and can't be used again.

2. Slide the charged pliers over the ear and position the cutter about 1cm to 2cm from the edge of the ear. Try to avoid large veins and ridges. This can best be done in a very swift, fluid motion.





3a. Remove the TSU tube from the pliers by opening the retention ring and sliding out the tube.

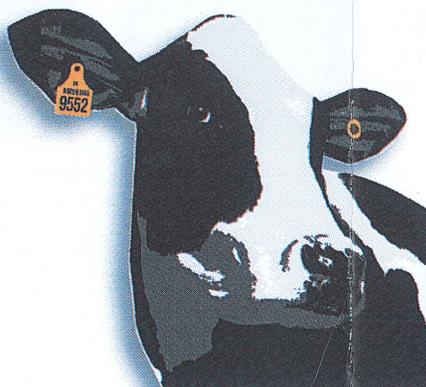


3b. A through cut tissue sample should be clearly visible inside the tube.



4. Remove the used needle from the pliers by pulling the handles apart. This will loosen the needle and make it easily removable. The needle is no longer of use as it no longer contains the red plunger.

DISCARD THE NEEDLE SAFELY.
CAUTION : THE NEEDLE IS VERY SHARP,
MIND YOUR FINGERS!



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tissue sampling technology

TISSUE SAMPLING UNIT (TSU) USER MANUAL



Stop playing
with genetics

- FERTILITY
- HEALTH
- MILK YIELD
- LONGEVITY
- PARENTAGE
- PROFITABILITY

Allflex

Identification
is in our genes