

IceSampler™ 1.001

Automated blood sampling system for use with adult cattle

By automating blood sampling the IceSampler™ overcomes the challenges associated with conventional blood collection procedures. The device enables samples to be taken from the cow in its natural environment in a stress-free manner, eliminating human intervention at the time of sampling. IceSampler™ can collect blood samples at predefined times or intervals for investigation of multiple blood parameters, such as hormones, metabolites, immunological markers and minerals.

The device is encased in a protective backpack which is designed to withstand the farm environment. Blood is collected through a sampling line connected to a catheter in the cow's jugular vein. A lycra chest cover protects the line and catheter from interference by other cows. Sample tubes are held within a carousel which can be removed from the device in order to test samples and replenish sample tubes.



Capabilities

- Takes blood samples at predefined times or intervals
- Takes up to 16 samples per session

Key Features

- Pre-programming of sampling times using IceController™ software
- Ruggedised housing, designed to withstand the farm environment
- Prevents blood from clotting
- Prevents evaporation and contamination of blood samples
- Provision for blood samples to be maintained at a low temperature
- Specifically designed for use with adult cattle
- IP66 Housing Dimensions (mm): 132.0(H) x 174.5(W) x 186.0(D)
- Approx weight of device excluding cover (kg): 2.75

Minimum System Requirements

- Windows XP operating system
- CD-ROM drive
- USB port

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