

## Appendix 1B Sampling Procedures for Genotyping

### Venipuncture

In order to facilitate the rapid collection of blood samples from multiple sheep in a minimum of time it is suggested to not waste time “up ending” the sheep. Restrain sheep for venipuncture in a standing position. Do not clip wool.

Occlude thoracic inlet, palpate or approximate the location of the jugular vein and insert vacutainer needle.

Single use needle is required for each animal to prevent cross contamination of DNA.

Collect a full 7 - 10 ml of blood in an EDTA tube (lilac / purple top).

Make sure that the sample and individual animal identification are irrefutably connected.

Samples should be stored at 4°C until shipped. Ship to lab as soon as possible.

Check with individual lab for preferences on sample submission and preferred day of submission.



## **Tissue samples for genotyping of deadstock**

Fresh or frozen tissues such as brain, liver, spleen, or kidney can be used. Check with individual lab preference for tissue selection. As the head or brain sample is being forwarded for scrapie testing, it would be easiest for the lab to forward a sample of brain for genotyping.