

## **DNA Profiling and Parentage Verification for ISDS members**

Animal DNA Diagnostics Ltd is now happy to provide a DNA profiling and Parentage Verification service for International Sheep Dog Society members.



### **This test is particularly useful for breeders:**

- To confirm the familial relationship between an offspring and his dam and sire
- To produce a permanent genetic reference for their animal for use at any time during the animal's lifetime where parentage needs to be confirmed or where its identity may be questioned.

The service can be ordered online using the web-shop. Please provide all relevant details including full names and ISDS Registration numbers for the dog and his sire and dam. Relevant identifying information such as a microchip numbers should also be provided. Upon purchase you will be sent a mouth swab kit which you should take and return in the envelope provided. Alternatively blood samples can be accepted for this service, as can DNA archived with us.

You will be informed by email when the analysis is complete. A DNA profile will be generated for the dog and held on file for future parentage queries or for future reference where the identity of the animal may need to be confirmed.

**Parentage verification** can confirm the relationship between an offspring and their presumed parents. Most usually this is used to confirm the paternity of offspring, but the relationship to the dam will also be confirmed by this analysis.

In order to perform this analysis samples from the offspring, the dam and all possible sires are required. Please indicate on submission whether the sample is from the offspring, dam or possible sire.

Parentage verification can be performed free of charge using DNA profiles generated previously for the animals concerned.

The result will indicate whether the proposed parent is excluded as a parent or qualifies as a parent. Please note that while exclusions are 100% accurate, qualifications are not. In order to avoid erroneous parentage qualifications breeders should ensure that all possible sires are included in the analysis – this is especially important where possible sires are related.