



DNA Profiling and Parentage Verification

Animal DNA Diagnostics Ltd and the German Shepherd Dog Breed Council (GSDBC) have formed a partnership to provide a DNA profiling and Parentage Verification service for GSD breeders and owners. The aim of this service is to verify that the parentage records are correct.

All dogs born after 1st January 2013 will be required to be DNA profiled to enable them to have a Breed Council Survey. You can have a survey from the age of 18 months.

Please purchase your test online using the web-shop. Please provide all relevant details including full names and KC Registration numbers for the dog and his sire and dam. Upon purchase you will be provided with a sampling kit to take to your vet; he will take a blood sample which must be returned to Animal DNA Diagnostics for analysis. You will be informed by email when the analysis is complete. A DNA profile will be generated for the dog and held on file. When both sire and dam profiles become available for any individual his parentage will be verified. The GSDBC will hold details of which individuals have been DNA profiled and subsequently parentage verified. Pedigrees can be submitted to the GSDBC to be indicated as DNA profiled and Parentage Verified.

Should any discrepancy arise from any test result you will be notified immediately along with the GS Breed Council administration. Further testing would then be performed to ensure that the results are conclusive. Until conclusive no results would be published or entered on the data base.

DNA profiling provides a unique biological reference for an individual animal – rather like a fingerprint. DNA profiles are constant and will not change during the animal's life. They can be used in any situation where the identity of the animal may be in question, for example if there is a dispute over ownership, or if the animal is lost or stolen. In this situation the archived reference profile can be compared to the animal in dispute.

A DNA profile can also be used for **parentage verification**, where DNA profiles of both parents and offspring are available. The result will indicate whether each of the proposed parents qualifies as a parent or is excluded as a parent.

DNA profiles will be archived securely for future reference.