

ABOUT DNA PROFILING....

What is DNA profiling?

Each dog has a unique DNA signature that we call its DNA profile or fingerprint, which can be likened to a biological microchip because each DNA profile is unique to an individual dog. The DNA profile can therefore be used to uniquely identify a particular dog. Unlike the microchip, however, the DNA profile can provide more information than this. Since a dog inherits half of its DNA from its dam and the other from its sire, this means that half of a dog's DNA profile is inherited from its dam and the other half from its sire. Therefore we can also use a dog's DNA profile to verify that its registered parents are in fact its biological parents, provided DNA profiles are available from both parents.

How much does it cost?

£15 per dog sampled.

What does it involve?

DNA profiling is a very straightforward technique. Owners wishing to have their dog DNA profiled need to fill in a Request Form, which can be obtained by contacting the Kennel Club Health and Information Department (details below). Upon receipt of the completed form we will arrange for a profiling kit to be sent to you directly. The kit contains two small nylon brushes and a set of instructions. The nylon brushes are gently rubbed against the inside of the dog's cheek for a short time. During this process a small number of cheek cells are removed and stick to the bristles of the brush. The brushes are then returned by the owner in a pre-addressed envelope directly to the laboratory where the DNA profiling is performed. Once the profiling has been successful, the laboratory contacts the KC directly and we issue a profiling certificate for the dog, which we send to the owner. The dog's registration information is also amended to incorporate the fact that it has now been DNA profiled.

You will see from the enclosed literature that under the Accredited Breeder Scheme it will be a requirement from mid 2005 that both the dam and sire of Accredited Breeder's litters will have to be DNA profiled. Therefore we have attached a Request Form for your convenience.

Contact us at:

Health & Information Department
The Kennel Club
1 - 5 Clarges Street
Piccadilly
London W 1 J 8AS

Tel. 0207518 1027

Fax. 0207518 1028

[Email.info@the-kennel-club.org.uk](mailto:info@the-kennel-club.org.uk)

You can also download a DNA Profiling Request Form directly from our web site (www.the-kennel-club.org.uk). Select 'Health Issues' from the top menu bar and then 'DNA Profiling' from the left hand side.