

SHAKING PUPPY FAQ SHEET

The disease is a recessive trait, which means that affected puppies have inherited a defective copy of the gene from the sire and a defective copy of the gene from the dam. The researchers have developed a DNA test that identifies which dogs are genetically normal (with 2 normal copies of the gene), which dogs are otherwise healthy carriers of the disease (with one normal gene copy and one mutant gene copy), and which dogs suffer from Shaking Puppy (with 2 mutant gene copies).

Border Terrier breeders wishing to avoid litters with affected puppies can use the DNA test to ensure that at least one member of a breeding pair has a normal DNA test result. In addition, the DNA test can be used to confirm a diagnosis of Shaking Puppy.

On Monday October 9th DNA testing will become available from

the University of Missouri (<http://www.caninegeneticdiseases.net/>)

the Animal Health Trust (<http://www.ahtdnatesting.co.uk?>)

And coming soon the OFA (www.ofa.org)

Testing through a partnership with OFA (www.OFA.org), click the “ORDER DNA TESTS” link in left sidebar) should be available by mid-October. Orders placed through OFA use a cheek swab & barcoded card to collect DNA, and testing is done by U of MO. The OFA staff will send a kit and complete instructions for all orders.

See the websites for further details.

Owners that have contributed blood samples from their dogs for this or other DNA research at the U of MO or for the CHIC DNA Repository are eligible for a discounted fee test for those dogs. Contact Liz Hansen at HansenL@missouri.edu for the form to request testing from these previously banked samples.

This test will become part of the CHIC requirements for Border Terriers.

OFA Clear By Parentage is acceptable for one generation, but all dogs must have verified DNA parentage.