




basepaws
veterinary
by zoetis

Help Support Your Pet's Health and Well-Being *with Genetic Testing*



Welcoming a puppy or kitten into your life is the start of an exciting and rewarding journey. Supporting your new pet's health begins with their first visit to the veterinarian and continues with your at-home care routines. Genetic testing is a tool that can provide peace of mind along this journey. It gives you and your vet a comprehensive overview of your pet's genetic health predispositions, so that you can make more informed decisions that can help your pet live their healthiest, happiest life.

Basepaws Veterinary offers genetic testing that allows you to get to know your pet better—both inside and out. In addition to the benefits of knowing their risk for potentially developing a genetic health condition, you'll also get a breakdown of the different breeds that your pet's DNA shares the most genetic similarity with.



Why Should I DNA Test My Puppy or Kitten?

DNA testing identifies potential health risks earlier, so that pets can get the support and treatment they need sooner. It provides you and your veterinarian with more opportunities to create a proactive care plan for your pet that could help delay, or potentially avoid, the onset of common genetically related health conditions. Below are a few more details on these main benefits:

- **EARLY DETECTION:** DNA testing supports earlier detection of genetic health risks, even before symptoms may appear. This is especially important for cats, who are experts at hiding pain for as long as they can. Basepaws Veterinary also offers a test to detect dental disease in cats sooner, before it can be seen by the naked eye. Dental conditions such as periodontal disease can also lead to general serious health issues such as chronic kidney disease, emphasizing the importance of early detection and treatment for improved health outcomes.^{1,2}
- **PROACTIVE CARE:** When you know your puppy's or kitten's risk for potentially developing a genetic condition that could affect their heart, kidneys, eyes, or other body systems, your veterinarian can help you learn about how to take proactive steps at home to manage your pet's lifestyle, environment, diet, and more to support their best quality of life. Genetic testing can also identify gene mutations that put some pets at an increased risk for certain drug interactions, which is great information to have about your pet at an early age.³

DNA testing affords you and your veterinarian more opportunities to implement preventive measures that are specifically tailored to your pet's needs, and to take informed action should a potential health issue arise.

The Process: Pain-Free for Your Pet and You!

Fear Free veterinary practices promote a calm and worry-free environment for your pet, and this extends to genetic testing. The DNA sample collection process is quick and painless. All it takes is a simple 10 second swab of your dog's or cat's cheek during a vet visit.

Your veterinarian will receive a detailed report of your pet's genetic health predispositions after Basepaws Veterinary processes the sample and sequences your pet's DNA. Results can help you work with your vet on an individualized care plan that meets your pet's unique health needs.

Testing your pet as early as possible, when they are still a kitten or a puppy, empowers you with information for taking proactive steps in support of your pet's health and well-being—now and in the future. Ask your veterinarian about Basepaws Veterinary genetic testing for your pet today to help your pet live a better life, longer.

1. Cave, N. J., Bridges, J. P., & Thomas, D. G. (2012). Systemic effects of periodontal disease in cats. *Veterinary Quarterly*, 32(3-4), 131-144. Chicago; 2. Pavlica, Z, Petelin, M, Juntos, P, Erzen, D, Crossley, DA and Skaleric, U. 2008. Periodontal disease burden and pathological changes in organs of dogs. *J Vet Dent*, 25(2): 97-105.; 3. Neff MW, Robertson KR, Wong AK, et al. Breed distribution and history of canine MDRI-1A, a pharmacogenetics mutation that marks the emergence of breeds from the collie lineage. *Proc Natl Acad Sci U S A* 2004;101(32):11725-11730.