

# Wisdom Panel® 2.0

## Canine DNA Test

### What Is the Wisdom Panel 2.0 Canine DNA Test?

With a simple cheek swab you can do at home, you can uncover DNA-based insights that may help you understand your dog's unique appearance, behaviours, and wellness needs. After swabbing your dog, you activate your kit online and then mail it in with the pre-paid shipping label. The test can be run for mixed-breed, designer, or purebred dogs, and the procedure is the same for all three. About two to three weeks after your sample arrives at the lab, you will receive an email with a link to download your report. Purebred and designer dog reports also include breed certification and level of genetic diversity.

### How does Wisdom Panel work?

Once your sample is received at the lab, it is scanned into our database and assigned to a batch for testing. It then undergoes processing to extract the DNA from your dog's cells which is examined for the markers that are used in the test. The results for these markers are sent to a computer that evaluates them using a program designed to consider all of the pedigree trees possible in the last three generations. The pedigree trees considered include a simple pedigree with a single breed (a likely pure-bred dog), two different breeds at the parental level (a first-generation cross), all the way up to a complex tree with eight different great-grandparent breeds. Our computer uses information from our extensive breed database of more than 10,000 samples to fill these potential pedigrees. For each of the millions of combinations of ancestry trees built and considered, the computer gives each a score representing how well that selected combination of breeds matched your dog's data. The pedigree with the overall best score is selected and provided to you in your dog's individualised report.

### What Do I Get in My Report?

Your report includes:

- Breed ancestry identification back to great-grandparents
- Adult weight range prediction
- Behavioural and visual trait information about each breed identified
- Ancestry certificate
- Opportunities to join the Dog Community and showcase your dog for others to see



## **How do I use my Wisdom Panel 2.0 kit to test my dog's DNA?**

The test is performed in three easy steps you can do at home: 1. Collect a cheek cell sample from the inside of your dog's cheek with the included swabs – both are for one dog. 2. Visit [www.wisdompanel.co.uk](http://www.wisdompanel.co.uk) and activate your kit. 3. Mail the swabs back to the laboratory with the postage-paid shipping label. Within two to three weeks from the time your sample reaches the lab, you will receive an email with a link to download your dog's unique report. Once your sample reaches the lab you can also use our online Test Status Checker to review the progress of your sample.

## **Can puppies be tested with Wisdom Panel 2.0?**

Yes. Wisdom Panel 2.0 is designed for dogs of all ages and is safe and easy to be used at any stage in a dog's development. However, we do recommend waiting until a puppy has been weaned to prevent cross-contamination from suckling on their mother and having cells from her skin and milk in their mouth at the time of swabbing.

## **How long does it take to get Wisdom Panel 2.0 results?**

Once the sample has been received at the lab, it generally takes two to three weeks for it to be tested, results generated and for your report to become available for download. You will receive email notifications along the way and when your report is available for download.

## **How are key physical traits inherited?**

Breeds can combine their influences in countless, fascinating ways. It's the unique combination that makes your dog truly one-of-a-kind. Your dog may exhibit the behaviour of—or strongly resemble—just one of the breeds in its makeup, but, more commonly, his or her looks and personality will be a blend of all the breeds present.

## **Can Wisdom Panel 2.0 identify health issues or disease predispositions?**

Wisdom Panel 2.0 can determine the breed makeup of a dog; it is not designed to determine which disease traits—if any—might be present in a dog. The real value in this test is that with knowledge of a dog's breed ancestry, you can work together with your veterinarian to develop a more targeted care plan for your dog and have a better understanding of where his or her physical and behavioural traits come from.

## **Can Wisdom Panel identify the breeds in a dog that was born outside the UK ?**

The Wisdom Panel test was developed using pure breeds primarily from those found on the American Kennel Club and The Kennel Club (UK) registry lists. If your dog was imported from a country other than Canada, the UK, Australia, Germany, or mainland U.S., or you suspect that your dog's ancestors are from outside these countries, his breed ancestry may not be well represented in our database.

**Kit Contains:** Instruction sheet, pre-paid shipping envelope, 2 DNA cheek swabs