

Question

How accurate is Wisdom Panel?

Answer

At Wisdom Health, we pride ourselves on offering the most reliable and accurate genetic tests on the market. Wisdom Panel tests provide the highest level of accuracy possible for a cheek swab DNA test, but that accuracy can vary depending on the quality of DNA collected from the dog. Because of the potential variation in DNA quality, we are unable to provide a definitive determination of accuracy at this time.

To ensure that the Wisdom Panel tests are as accurate as possible, Wisdom Health has focused its research on several important factors including:

Genetic markers: These are the places of variation in a dog's DNA. By studying both the similarities and differences in these markers among different breeds, we are able to determine characteristic signatures. During Wisdom Panel test development we completed over 19 million genetic marker analyses and genotyped over 13,000 dogs. This is important because careful analysis is needed in order to accurately locate the sites of variation that make each breed unique. All of these calculations require a very advanced computer program that can analyze all of this data and identify the breeds in each dog. Today we use over 1800 markers for testing.

Numbers and types of dogs: Our database is used to compare your dog's DNA against other dogs' DNA. Thus, the more breeds, the better the test.

Validation testing for accuracy: This includes repeated testing of a dog's sample and review by independent third party specialists, geneticists, and leading authorities on canine genetics. All of the Wisdom Panel tests are run in a USDA-accredited laboratory to ensure proper quality control.

Question

What is the difference between the Wisdom Panel 3.0 and Wisdom Panel 4.0?

Answer

While all US Wisdom Panel tests now use the same breed database, the differences between the 3.0 and 4.0 are that, while both tests will provide the results for the MDR1 mutation testing, the 4.0 will also provide results for EIC (exercise induced collapse) and traits.

Both tests are still currently sold. The 4.0 is available exclusively at [WisdomPanel.com](https://www.wisdompanel.com) while the 3.0 is available at various online retailers.

Question

Which breeds are detected by the Wisdom Panel tests?

Answer

The Wisdom Panel 2.0 database covers over 200 different breeds. The Wisdom Panel 3.0, 4.0, and Wisdom Panel Health tests covers 350+ breeds, types and varieties. For a full list of breeds detected by test type, please visit our [Breeds Detected](#) page.

Question

Does Wisdom Panel test for wolf or coyote?

Answer

Wisdom Panel 3.0, 4.0, and Wisdom Panel Health kits cover testing for the wolf and coyote wild canids. For a full list of breeds detected by test type, please visit our [Breeds Detected](#) page.

Question

Does Wisdom Panel test for "pit bull"?

Answer

The term "pit bull" does not refer to a single recognized breed of dog, but rather to a genetically diverse group of breeds which are associated by similar physical traits. Pit bull-type dogs have historically been bred by combining guard-type breeds with terriers for certain desired characteristics. As such, they may retain many genetic similarities to their original breeds and other closely related breeds.

Due to the genetic diversity of this group, Wisdom Health cannot build a DNA profile to genetically identify every dog that may be visually classified as a pit bull. When these types of dogs are tested with Wisdom Panel, we routinely detect various quantities of the component purebred dogs including the American Staffordshire Terrier, Boston Terrier, Bull Terrier, Staffordshire Bull Terrier, Mastiff, Bullmastiff, Boxer, Bulldog, and various other terriers and guard breeds. Additionally, there are often other breeds outside of the guard and terrier groups identified in the mix, depending on each dog's individual ancestry.

Some communities in the U.S. have put restrictions on pit bull ownership. Wisdom Health encourages dog owners and care providers to be fully aware of their local laws, which vary across the country, when considering DNA testing.