

# Igenity<sup>®</sup>

## Canine Wellness

Genomic Insight for Personalized Care<sup>™</sup>



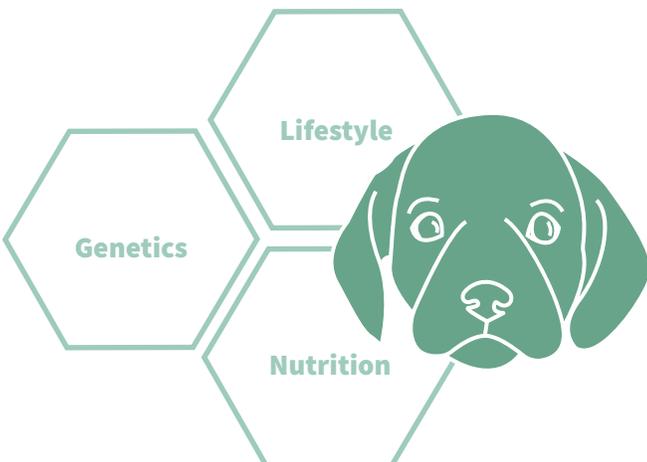
### How does genetic risk influence patient care?

Genetic background can influence health, physical traits, and even behavior. Igenity<sup>®</sup> Canine Wellness is a test designed to predict a percentage of the heritable component for relatively common, actionable diseases diagnosed in veterinary medicine.

Awareness of genetic risk enables veterinary professionals to make more informed recommendations on diet, diagnostic screening, and lifestyle to enable a longer and happier life for the pet.

A simple, non-invasive cheek swab and lab test will reveal genetic factors that influence your patient's wellness planning and client education.

Igenity test results are supported by client education tools and online resources to assist your hospital's entry into the genomics field.



### Applying Genomics in Veterinary Practice

#### NUTRITION ADVICE

Based on predisposition to conditions such as pancreatitis, urinary calculi and stones, you can provide advice to clients on the best diet for their pet's well-being.

#### CANCER RISK

Early spay can dramatically decrease risk for mammary cancer. Awareness of possible increased risk can help with client education and careful attention at home and during exams later in life.

#### HEREDITARY DISEASES

Screening for manageable genetic disorders helps you prepare clients to anticipate needs for appropriate diagnostic tests, proactive healthcare, precautions prior to surgery or invasive procedures and other steps to manage complex health conditions. Igenity currently covers: exercise-induced collapse, intervertebral disc disease (IVDD), primary lens luxation and bleeding disorders including von Willebrand disease and Factor VII Deficiency.

#### BEHAVIORAL TENDENCIES

Genomic influences on behavior for traits such as sociability—how likely your client's dog is to seek out human companionship—which can help you and your clients create a lifestyle where the patient will thrive.

## How does it work?

Integrating genomics into your practice is easy. NEOGEN offers a quick and simple training program for veterinarians, technicians and other support staff to understand what the test offers and how to talk to clients about this exciting, but sometimes complex new area of veterinary medicine.

**STEP ONE** Collect sample using an Igenity Canine Wellness kit.

**STEP TWO** Link kit to patient by visiting [vet.NEOGEN.com](http://vet.NEOGEN.com), then mail the kit to NEOGEN for processing.

**STEP THREE** Educate clients on actions they can take at home and in the hospital for better patient health.

## What variants does Igenity Canine Wellness detect?

Some clinical conditions are mostly dependent on a single genetic variant (simple) while others are influenced by many different genetic factors (complex). Other factors such as age, breed and genetic variability can also influence risk.

	Level of risk associated with variants tested	Known affected breeds
Factor VII Deficiency		Beagles, English Bulldogs, Alaskan Malamutes, Alaskan Klee Kai, Miniature Schnauzers, Boxers, mixed breed
von Willebrand Disease Type I		Australian Terrier, Bernese Mountain Dog, Coton de Tulear, Doberman Pinscher, German Pinscher, Kerry Blue Terrier, Manchester Terrier, Papillon, Pembroke Welsh Corgi, Miniature Poodle, Standard Poodle, Toy Poodle, Red Setter, White Setter, Stabyhound, West Highland White Terrier
von Willebrand Disease Type II		German Shorthaired Pointer, German Wirehaired Pointer, Collie
Exercise-induced Collapse		Labrador Retrievers, Curly Coated Retrievers, Chesapeake Bay Retrievers, Boykin Spaniels, German Wire-haired Pointers, Old English Sheepdog, Cocker Spaniels, Pembroke Welsh Corgis
Urate Urinary Crystals & Stones		American Pit Bull Terrier, American Staffordshire Terrier, Australian Shepherd, Black Russian Terrier, Boerboel, Bulldog, Catahoula Leopard Dog, Dalmatian, German Shepherd, Giant Schnauzer, Jack Russell Terrier, Labrador Retriever, Lagotto Romagnolo, Large Munsterlander, Parson Russell Terrier, Pitbull, Pomeranian, Russell Terrier, Small Munsterlander, Swedish Vallhund, Vizsla, Weimaraner
Lens Luxation		American Eskimo Dog, American Hairless (Rat) Terrier, Australian Cattle Dog, Border Collie, Chinese Crested, Jack Russell Terrier, Jagd Terrier, Lakeland Terrier, Lancashire Heeler, Lucas Terrier, Miniature Bull Terrier, Norfolk Terrier, Norwich Terrier, Parson Russell Terrier, Patterdale Terrier, Rat Terrier, Russell Terrier, Sealyham Terrier, Teddy Roosevelt Terrier, Tenterfield Terrier, Tibetan Terrier, Toy Fox Terrier, Volpino Italiano, Welsh Terrier, Wire Fox Terrier, Yorkshire Terrier
Mammary tumors		English Springer Spaniel
Pancreatitis		Miniature Schnauzer
Intervertebral Disc Disease (IVDD)		Beagle, Cocker Spaniel, Dachshund, French Bulldog, Lhasa Apso, Pekingese, Pembroke Welsh Corgi, Shih Tzu
Social Behavior		Many

**Contact us at [igenitycanine@NEOGEN.com](mailto:igenitycanine@NEOGEN.com) or visit [vet.NEOGEN.com](http://vet.NEOGEN.com) to get started today!**