

Blood Test Screens

A simple blood test screens any mixed or pure breed dog for a wide range of genetic diseases. The laboratory performs a comprehensive DNA analysis of your pet's blood and compares over 120 genetic markers in over 35 diseases in our extensive database. Diseases such as cataracts, heart and kidney disease and even sensitivity to certain medications.

Once screened your results are reported as either, NORMAL (CLEAR), CARRIER or AFFECTED for the disease.



Please be aware that a genetic disease test does not replace the need for ongoing clinical assessment by a veterinarian.

Other disease and/or developmental conditions may still be present.

Disease penetrance and clinical assessment of affected animals can only be performed by a qualified veterinarian.



ASAP is one of Australia's leading veterinary pathology laboratories offering SPECIALISED services in the areas of clinical haematology, biochemistry, histopathology, endocrinology, PCR testing, microbiology, infectious diseases and point of care testing. We have over 150 years of combined veterinary pathology experience with a fantastic team of veterinary specialist pathologists and scientists. We are now offering an extensive range of molecular (DNA) tests and services. Our responsibility and vision as veterinarians is to become leaders in genetic testing, making it more affordable and more accessible.

The benefits of this strategy will be improved animal health and an even stronger bond between owners and their pets.

Please ask your vet if you are interested to know more about DNA testing and personalizing your pet's veterinary care.



AUSTRALIAN SPECIALISED ANIMAL PATHOLOGY

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Screen your pet for genetic heritable disease



Canine and Feline Genetic DNA Health Screens

Create a personalised medical plan for your pet



AUSTRALIAN SPECIALISED ANIMAL PATHOLOGY

Just because your pet may be a mixed breed does not necessarily mean that it will not have a genetic disease. Mixed or undetermined breeds can be made up of one breed or a mixture of breeds and therefore can inherit the genetic disorder found in that breed.



This knowledge enables your veterinarian to offer personalized care according to your pet's unique genetic makeup, breed, and age.

It makes it possible for us to be on the look out for certain symptoms and conditions, to diagnose the disease early and make treatment more effective.

As you might imagine, the health consideration of a Chihuahua are considerably different to those of a Great Dane. A Maine Coon cat's needs are different to those of a Siamese.

Each pet is unique and has individual needs as well as risks for different genetic conditions.

To find out more about genetic diseases for your mixed or pure breed dog visit us at:

www.asaplab.com.au/breedspecifichealth

The following Diseases are screened for Dogs

Bleeding Disorders

- Canine Leucocyte Adhesion Deficiency
- von Willebrand's Disease Type I
- von Willebrand's Disease Type III
- Factor VII deficiency
- Thrombopathia

Cardiac Disorders

- Arrhythmogenic Right Ventricular Cardiomyopathy
- Dilated Cardiomyopathy

Metabolic Disorders

- Autosomal Hereditary Recessive Nephropathy
- Copper Toxicosis
- Fucosidosis
- Phosphofructokinase Deficiency
- Pyruvate Kinase Deficiency
- Mucopolysaccharidosis
- Cystinuria
- GM1 – Gangliosidosis
- Canine Hyperuricosuria
- Pyruvate Dehydrogenase Phosphatase Deficiency

Muscular Disorders

- Muscular Dystrophy X-linked (MDX)
- Myotonia Congenita
- Myotubular Myopathy X linked
- Centronuclear Myopathy

Neurological Disorders

- Cerebella Ataxia
- Polyneuropathy/Neuropathy (NDRG1)
- Exercise Induced Collapse
- Neuronal Ceroid Lipofuscinosis
- L-2-hydroxyglutaric Aciduria
- Narcolepsy
- Globoid Cell Leukodystrophy/Krabbe's Disease
- Neonatal Encephalopathy
- Degenerative Myelopathy

Drug Sensitivity Disorder

- Ivermectin Sensitivity MDR1

Ophthalmology Disorder

- Progressive Retinal Atrophy - Type A
- PRA rod-cone dysplasia type 2 (rcd2)
- Hereditary Cataract
- Primary Lens Luxation
- Progressive Retinal Atrophy - cord 1
- Progressive Retinal Atrophy - Rcd1
- Progressive Retinal Atrophy - rcd 3
- Progressive Retinal Atrophy - rcd1a



The following Diseases are screened for Cats

Feline Disorders

- Polycystic Kidney Disease
- Albinism
- Hypertrophic Cardiomyopathy
- Mucopolysaccharidosis Type VII (Lysosomal Storage Disease)
- Niemann- Pick Disease Type C

What's Required for Testing ?

A minimum of 0.5 ml EDTA blood collected by your vet.

PLEASE NOTE: If you have previously had a blood sample taken and submitted for the

ADVANCE DNA Breed Identification Test

This sample can be used for your pets genetic health screen.