

Info shared by Pitbull SA.

Manjaro APBT kennel.

South Africa.

My Website www.pitbullsa.co.za

My E mail "manjaro@pitbullsa.co.za"

My Facebook "Gawie Manjaro"

My Facebook page "Manjaro Kennel"

My mobile +27827838280.

Zello.com "VoIP" – ask for info.

Dog inherited disease & trait test.

Dr Thabo Mafa – Centrohealth - Medical & DNA Sampling Centre

Is your dog carrier of any genetic diseases?

Will it be affected or suffer from the disease later on in life?

Are you concerned that this disease might affect any offspring?

Why not make a scientific move towards eliminating or reducing the risk of disease in your dogs?

If you are interested in this test, kindly contact us directly with details of the breed and type of test you are looking for.

Why is the dog inherited disease test important?

Certain dog breeds are known to be prone to **particular hereditary conditions** that can affect their quality of life.

EasyDNA offers dog inherited disease testing a reliable and accurate DNA test that will establish the genetic susceptibility of your dog to a given disease.

Chief among the interests of dog breeders is that their litters are genetically disease free.

The results of our test will establish clearly whether your dog is a carrier, affected or clear of the disease.

Results are ready in 10 working days from receipt of samples at the Laboratory.

As a dog breeder you need to make responsible decisions.

Any dog lover or breeder clearly wishes the best possible health and happiness for their dog.

However, the scope of the test goes even further.

It is the responsibility of a breeder to provide dogs that are healthy and disease-free.

Certain dog breeds are known to sometimes be carriers or even affected by certain disease-causing genes, more so than other breeds. Labrador Retrievers can be affected by Centronuclear Myopathy, while Pyruvate Kinase Deficiency (PK) is known to sometimes affect West Highland Terriers and Basenjis.

As a breeder, you can market your dogs as being disease free, guaranteeing their health with the results of our dog inherited disease test.

By knowing which dogs are carriers or affected by a certain genetic disease, a breeder can exclude that dog from mating, thereby creating a healthier gene pool.

Collecting DNA samples

Samples for the testing of inherited dog diseases can be collected using the kit we provide.

Our kit contains oral swabs, which need to be rubbed inside the mouth for around ten seconds.

Most dogs will have no issues with this process but for more restless dogs, you may have to hold the dog's head firmly in order to get the swab inside the mouth.

Dog inherited disease testing results

Results will show the genotype for the dog/ dogs tested.

For each dog disease tested for, the genotype can display any of the following:

Clear (those having 2 copies of the normal allele and appear to be normal).

Carrier (those having 1 copy of the normal allele and 1 copy of the mutation and most appear to be normal).

At risk (those having 2 copies of the mutation and will likely show clinical signs.)

Disease	Symptoms	Dog Breed
Uric Acid DNA Test (Hyperuricosuria)	Hyperuricosuria, or elevated uric acid level in the urine, is inherited as an autosomal recessive disorder and is characterized by the formation of bladder stones and occasional kidney stones.	All Dog Breeds
Degenerative	DM is a degenerative disease of	All Dog Breeds

Myelopathy (DM)	the spinal cord, characterized by muscle weakness in the hind limbs eventually leading to paraplegia.	
Centronuclear Myopathy	CNM is an inherited autosomal recessive disorder and is characterized by weight loss, awkward weight gain and exercise intolerance.	Labrador Retrievers
Cystinuria	A metabolic disorder that can cause stones in the urinary tract.	Newfoundland's and Labradors
Exercise Induced Collapse (EIC)	Dogs clinically affected by Exercise Induced Collapse (EIC) will often begin to exhibit leg weakness followed by a complete collapse after just 5 to 15 minutes of strenuous activity.	
Hereditary Nasal Parakeratosis (HNPK)	HNPK affected dogs will develop dry, rough crusts on the tip of the nose. In extreme cases, the dog's nose will crack causing severe discomfort.	Labrador Retrievers
Multidrug Resistance 1 (MDR1)	MDR1 affected dogs are at risk of developing neurologic symptoms from several common drugs.	
Progressive Retinal Atrophy,	PRA-prcd is inherited as an autosomal recessive disease.	

Progressive Rod-Cone Degeneration (PRA-prcd)	Degeneration of both rod and cone photoreceptor cells of the retina of PRA-prcd affected dogs usually occurs 3 to 5 years of age or later.	
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Dog DNA Tests

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Address

Dr Thabo Mafa

Centrohealth

Medical & DNA Sampling Centre

8 Park Street


Randfontein

1760

Tel: (010) 597 6649

Email: info@centrohealth.net

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 [0800 999 239](tel:0800999239).



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