



ZooOmics™, the animal genetics division of inqaba biotec™ (est. 2002) has been dedicated to providing accurate genetic tests and exceptional client service for over a decade to sub-Saharan Africa.

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ZooOmics offers over 85 Canine genetic tests.
Testing is done with the Gold Standard, DNA sequencing.

HEALTH TESTS:

Degenerative Myelopathy (SOD1)
Cystinuria
Pyruvate Kinase Deficiency (PKLR)
Centronuclear Myopathy (BIN1) (PTPLA)
Copper Storage Disease (ATP7B)
Exercise Induced Collapse (NEI)
Progressive Retinal Atrophy (PRCD)
Goniodysgenesis & Glaucoma (OLFML3)
Primary Open Angle Glaucoma (ADAMTS10)
Primary Lens Luxation (ADAMTS17)
Heritable cataracts (HSF4)
Canine Multifocal Retinopathy 1 (BEST1)
Achromatopsia (CNGB3)
Photoreceptor dysplasia (PDC)
Collie Eye Anomaly (CEA)
Multiple drug resistance (MDR1)
Imerslund-Gräsbeck Syndrome (IGS)
Trapped Neutrophil Syndrome (TNS)
Neuronal Ceroid Lipofuscinosis (CLN5)
Cerebellar Ataxia (ARSG)
Neonatal cerebellar cortical degeneration NCCD (SPTBN2)
Hyperuricosuria (HUU) (SLC2A9))

Malignant Hyperthermia (MFSD12)
Juvenile Laryngeal Paralysis & Polyneuropathy (JLPP)
Leukoencephalomyelopathy LEMP (NAPEPLD)
X-linked myotubular myopathy (MTM1)
Neuroaxonal Dystrophy (VPS11) (PLA2G6)
SeSAME-EAST Ataxia (KCNJ10)
Neuronal Ceroid Lipofuscinosis (1TRP1)
Novell Cerebellar Cortical Degeneration (SNX14)
Neural Hypomyelination (FNIP2)
Spinal Dysraphism (NKX2-8)
Congenital Myotonia (CIC1)
Late onset Spinocerebellar Ataxia (CAPN1)
Spinocerebellar Ataxia (KCNJ10)
L2-Hydroxyglutaric Aciduria (L2HGA)
Familiar Nephropathy (FN)
Myoclonic Epilepsy (DIRAS1)
Arrhythmogenic Right Ventricular Cardiomyopathy (STRN)
Dilated Cardiomyopathy (PDK4)
Hereditary Nasal Parakeratosis (SUV39H2)
Ichthyosis (PNPLA1)
Musladin Leuke Syndrome (ADAMTSL2)
Lupus Erythematosus (DPF2)
Lethal Acrodermatitis (LAD) MKLN1

Polycystic Kidney Disease (BTPKD)
Phosphofructokinase (PFK)
Factor VII deficiency (FVII)
von Willebrand's Disease Type I
Haemophilia B (Factor IX)
Cleft Palate (DXL6), (ADAMTS20)
Raine Syndrome (FAM20C)
Fucosidosis (FUCA1)
Sensory Neuropathy (FAM134B)

COLOUR INHERITANCE

A Locus (ASIP: c.244 G>T; c.248G>A; c.286C>T; SINE)
B Locus (TYRP1: c.121T>A; c.991C>T; c.1033delCCT; c.555T>G)
Cocoa (HPS3: c2420G>A)
D Locus (MLPH: c.-22G>A; c.705G>C)
Hair length (FGF5: c.284G>T)
E Locus (MC1R: c.799A>G; c.914C>T)
I Locus (MFSD12: c151C>T)
K Locus (CBD103: delGGA)
S Locus (MITF: c.478 C>T)
M locus (Merle)

OTHER:

DNA Profiling
Parentage
Breed Ancestry
(For mixed breeds only – Cannot test if a dog is purebred).