



Micah Halpern, PhD
Principal Scientist

Mary Simonson
Laboratory Manager

CERTIFICATE OF RESULTS FOR SAMPLE ID #:

484644

OWNER'S NAME: MATT REED
PET'S NAME*: CH KNOCKOUT'S BRAVO ZULU
PET'S REGISTRATION #: DN76148903
PET'S BREED: MINIATURE AMERICAN SHEPHERD
DATE TESTED: 10/25/2024

TEST	RESULT**	TEST RESULT EXPLANATION***
Canine Multifocal Retinopathy 1 (CMR1)	A	(CLEAR/NORMAL): These dogs have two copies of the normal gene and will not develop canine multifocal retinopathy.
Collie Eye Anomaly (CEA)	A	(CLEAR/NORMAL): These dogs have two copies of the normal gene and will not develop Collie eye anomaly.
Degenerative Myelopathy (DM)	A	(CLEAR/NORMAL): These dogs have two copies of the normal gene and will not develop degenerative myelopathy.
Hyperuricosuria (HU)	A	(CLEAR/NORMAL): These dogs have two copies of the normal gene and will not develop a urate stone disorder.
Multidrug Sensitivity (MDR1)	A	(CLEAR/NORMAL): These dogs have two copies of the normal gene and will not develop multidrug sensitivity.
Progressive Rod-Cone Degeneration (PRA-PRCD)	A	(CLEAR/NORMAL): These dogs have two copies of the normal gene and will not develop progressive rod cone degeneration.

*GenSol warrants its test results to be accurate for the sample obtained from the above pet. In the event of a valid claim, owner's sole remedy is a refund of the fee paid. IN NO EVENT SHALL GENSOL BE LIABLE FOR INDIRECT, CONSEQUENTIAL OR INCIDENTAL DAMAGES OF ANY KIND. Any claim must be asserted within one year of the report of test results.

**All samples submitted to GenSol become the property of GenSol and may be used for internal quality control and/or research purposes. Test results provide information concerning a pet's DNA sequence and are not an indication or guarantee of pet's disease state or condition. Test results alone should not be used to diagnosis, treat or prevent disease.

***For detailed result explanation visit www.gensoldx.com. Please consult a licensed veterinarian to discuss the implications.

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1-844-369-3686 - info@Gensoldx.com - www.gensoldx.com

FAST - ACCURATE - AFFORDABLE



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Merle (MERLE)	B	(CARRIER/AFFECTED): These dogs have one copy of the normal gene and one copy of the mutation. They can develop a merle coat pattern although some dogs that possess one copy of the mutation may not show the merle coat pattern.
Chondrodystrophy And Intervertebral Disc Disease Risk (CDDY-IVDD)	A	(CLEAR/NORMAL): These dogs have two copies of the normal gene and do not possess the mutation that leads to shortened legs and increased risk for intervertebral disc disease.
Chondrodysplasia (CDPA)	A	(CLEAR/NORMAL): These dogs have two copies of the normal gene and do not possess the mutation that leads to shortened legs.
Hereditary Cataracts (HC)	A	(CLEAR/NORMAL): These dogs have two copies of the normal gene and will not develop HSF4 hereditary cataracts.
PROGRESSIVE RETINAL ATROPHY ROD-CONE DYSPLASIA 4 (PRA-RCD4)	A	A (CLEAR/NORMAL): These dogs have two copies of the normal gene and will neither develop Progressive Retinal Atrophy Rod-Cone Dysplasia 4 nor pass this mutation to their offspring.

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NEUROAXONAL DYSTROPHY SHEPHERD TYPE (NAD-SHEP)	A	(CLEAR/NORMAL): These dogs have two copies of the normal gene and will neither develop Neuroaxonal Dystrophy nor pass this mutation to their offspring.

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