



Micah Halpern, PhD
Principal Scientist

Mary Simonson
Laboratory Manager

CERTIFICATE OF RESULTS FOR SAMPLE ID #:

517772

OWNER'S NAME: KATHLEEN HORNBURG
PET'S NAME*: JASPER
PET'S REGISTRATION #: ASDM-CO-2501700
PET'S BREED: MINIATURE AUSTRALIAN SHEPHERD
DATE TESTED: 10/15/2025

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.
E Locus (E LOCUS)	A	(CLEAR/NORMAL): These dogs have two copies of the normal gene and will have a black-based coat.
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)	B	(CARRIER/NOT AFFECTED): These dogs have one copy of the normal gene and one copy of the mutation associated with this disease. They 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 GENSONL 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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FAST - ACCURATE - AFFORDABLE



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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.
Hereditary Cataracts (HC)	A	(CLEAR/NORMAL): These dogs have two copies of the normal gene and will not develop HSF4 hereditary cataracts.
NEUROAXONAL DYSTROPHY SHEPHERD TYPE (NAD-SHEP)	B	(CARRIER/NOT AFFECTED): These dogs have one copy of the normal gene and one copy of the mutation associated with this disease. They will not develop Neuroaxonal Dystrophy.

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