



## ASHGI Testing Protocol for Inherited Diseases in Australian Shepherds

Age	Test	Performed by:	Breeding Status		Comments
			Affected	Carrier	
5-8 wks	eye exam	vet ophth.	CEA: DNB Iris Coloboma: DNB Distichiasis	N/A N/A N/A	Examine ALL puppies PPM -recheck 6 -12 months. Distichiasis - DNB multiple distichia or distichia w/ corneal damage anything but iris-to-iris DNB Test puppies w/ family history Recheck if necessary.
	heart check (murmurs)	sm animal vet	PPM congenital disease - DNB	N/A N/A	
4 mos	heart recheck hernia exam	sm animal vet breeder or sm animal vet	congenital - DNB see comments	N/A N/A	Upon advice of vet. DNB if surgical correction is required Others avoid mates with family history.
6 mos	<b>MDR1</b>	DNA testing lab	(1 or 2 copies) Only to Clear	N/A	Test before giving any listed drug Dogs w/ mutation - NO listed drugs Breed only to clear & keep clear pup to continue with. Even one copy can lead to cataracts. Test all breeding dogs. Test all ogs with family history. Other tests include CEA, PRA, Cobalamin Malabsorbtion, Degenerative Myelopathy, VWD, CMR, & Cone Degeneration Test dogs with family history. Lethal to fetuses and neonates. Test all dogs with family history. Test if dog has clotting problems, females with carrier dams.
	<b>HSF4 Cataract Test</b>	DNA testing lab	DNB	See comments	
	Other DNA tests	DNA testing lab	DNB	Only to Clear	
	Cardiac PHA Hemophilia	vet cardiologist sm animal vet or pathology lab testing lab	DNB N/A DNB	N/A Only to Clear N/A	
12 mos	eye exam	vet ophth.	DNB: Cataract Distichia and PPM CEA, PRA, CMR, cone degeneration	N/A N/A N/A	as advised in 4 months section confirm diagnosis with DNA test  Test dogs with family history.
	Patellas	sm animal vet	DNB	N/A	
2 years	hips elbows eye exam	sm animal vet sm animal vet vet ophth.	DNB DNB Cataracts: DNB all others as above.	N/A N/A N/A	Age may vary with program used. Age may vary with program used.  Use OFA- or other registry-approved panel repeat at 4 and 6 years
	Thyroid	qualified lab	DNB	N/A	
3-10 yrs	eye exam	vet ophth.	Cataracts: DNB all others as above	N/A	

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**NOTES:** Items in bold print should be considered **MANDATORY**  
DNB: Do Not Breed

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