



Collie Health Foundation 2024 Tests

Responsible Collie breeders will want to take advantage of the health tests and be involved in ongoing studies that can be done for Collies you want to breed so that you can be sure that the dogs you produce have the best chance at a long, happy life. Any Collie owner who has a dog that has not been tested may wish to participate in these tests. These tests are currently available.

ALL TESTS ARE FOR PUREBRED ROUGH AND SMOOTH COLLIES ONLY OWNED BY A MEMBER.

| Test Name | Description | Testing Organization | Regular Price | Method & Test Ordering Instructions | Website |
|-------------------------|--|----------------------------|---|--|---|
| Optimal Selection™ Test | Results for 200+ genetic diseases, of which 7 are reported in terms of known relevance to the Collie. Testing includes MDR1, DM, CEA, coat color, coat type and morphology. Genetic diversity information for the tested dog, the overall breed population and related breed groups. (At this time CCN (Gray Collie) is not included in the test.) | Wisdom Health | \$130 less a 20% discount negotiated by CHF with Wisdom Health. 2 loci DMS is now being offered as a part of the test. Currently no additional subsidies will be offered in 2024. | To request your test(s) contact Isabel Ososki at: testing@colliehealth.org Cheek swabs are provided by Optimal Selection when test(s) ordered. Blood sample/cheek swab/ semen sample can be used for testing. | Optimal Selection™ — Smarter breeding through genetics.™ (optimal-selection.com) |
| Dermatomyositis (DMS) | Dermatomyositis is an inflammatory disease affecting skin as well as muscle, in extreme cases. This is an autoimmune disease which in rare cases can be fatal. | Wisdom Health (panel only) | 2 loci (A and B) DMS is now part of the Optimal Selection CHF is currently working on providing a stand alone 3 loci DMS test. Currently no subsidies will be offered in 2024. | For additional assistance contact: testing@colliehealth.org | Optimal Selection™ — Smarter breeding through genetics.™ (optimal-selection.com) |

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| rcd2 - PRA | An abnormal development (dysplasia) of the rods & cones (the light sensitive cells in the eye) that leads to an early onset of night blindness that is typically apparent by the time pups are 6 weeks of age. In most cases, the rcd2 affected dog is completely blind by the time it is 1 year old. | UC-Davis | \$75.00 Currently no subsidies will be offered in 2024. | UC-Davis https://vgl.ucdavis.edu/test/rod-cone-dysplasia-type-2-rcd2 For additional assistance contact: testing@colliehealth.org | Swabs: CHF has them available to purchase on our website https://www.colliehealth.org/product/chf-swab-kits/ Testing: https://breeder.wisdompanel.com/ |
| MDR1 | Sensitivity to certain drugs which can cause severe reactions or death in some collies. ***Use this test for Collies who are pets and/or rescues. Use Optimal Selection™ panel for breeding animals*** | Washington State University/ VetMed Or UC Davis | \$70 when ordered online at WSU \$75.00 at UC-Davis No current subsidies will be offered in 2024. | To request test(s) contact Washington State University at: www.vcpl.vetmed.wsu.edu/ Blood sample or cheek swab (swabs provided by WSU) To request test(s) contact UC-Davis at : https://vgl.ucdavis.edu/test/multidrug-sensitivity-mdr1 | www.vcpl.vetmed.wsu.edu/ https://vgl.ucdavis.edu |

| Test Name | Description | Registration Organization | Regular Price | Method & Test Ordering Instructions | Website |
|-----------|---|---------------------------|---|--|---|
| OFA | Registration of Hip & Elbow x-ray results with OFA | OFA | No current subsidies will be offered in 2024. | X-rays performed by Veterinarian | OFA Website https://www.ofa.org/diseases/hip-dysplasia https://www.ofa.org/application-forms |
| PennHIP | Registration of Hip & Elbow x-ray results with PennHIP, both preliminary and regular screening. | | No current subsidies will be offered in 2024. | X-rays performed by Veterinarian, must be approved for PennHIP | PennHIP Website https://antechimagingservices.com/antechweb/pennhip |