



Genetic Testing AVAILABLE AS OF MAY 2014

Tests using mane or tail hairs with root bulbs attached are currently available for:

- **Severe Combined Immunodeficiency (SCID)**
- **Cerebellar Abiotrophy (CA)**
- **Lavender Foal Syndrome (LFS)**

A veterinarian is not required to order these tests.

You order the tests online, collect the hair, and mail it in. Results are returned to you.

Several labs offer individual or combinations of the tests. The organization F.O.A.L. offers discount pricing for some. Pricing changes frequently, so check the websites for current information. As of May 2014, VetGen remains the only laboratory in the US that is licensed by the patent holder to offer the SCID test. Animal Genetics website claims to use a new test for SCID, and offers that test; it is apparently different from the licensed SCID test. To the best of our knowledge, information about the new test has not been published in technical journals.

Some of these labs offer coat-color testing, as well, and it can be economical to combine tests.

- **UC Davis Veterinary Genetics Laboratory (VGL)**

Tests for CA and LFS can be ordered online from the VGL: <http://www.vgl.ucdavis.edu/services/horse.php>

If you are unable to place an online order, please contact the VGL - phone (530) 752-2211.

NOTE: UC Davis developed the CA test, and the results from tests conducted there are used to advance further research on this disorder.

- **VetGen**

Tests for SCID, CA, and LFS can be ordered through VetGen: <http://www.vetgen.com/documents/order-form-equine.pdf>

If you are unable to access the online order form, please contact VetGen – phone (800) 483-8436.

- **Cornell Animal Health Diagnostic Center (AHDC) – Lavender Foal Syndrome only**

Test for LFS can be ordered through the AHDC: <http://ahdc.vet.cornell.edu/news/lfs.cfm>

If you are unable to access the information online, please contact AHDC – phone (607) 253-3900

NOTE: Cornell identified the mutation for LFS and developed the test; the results from tests conducted there are used to advance further research on this disorder.

- **Animal Genetics**

Offers tests for LFS, CA, and SCID at <http://www.animalgenetics.com>

The SCID test is reported on this website to be a new test developed by Animal Genetics.

- **F.O.A.L.**

Test orders at discounts can be placed through F.O.A.L.: http://www.foal.org/SCID_CA_KitOrder.pdf
If you are unable to access the online order form, please contact:

Arabian F.O.A.L. Association

Marguerite Illing, Treasurer

P.O. Box 198, Parksville, NY 12768-5336

e-mail: milling@hughes.net

Voluntary Reporting Of Test Results:

The organization **F.O.A.L.** accepts voluntarily reported test results for SCID, CA and LFS for inclusion on their publically available test results list. Please visit the FOAL.org site for additional information:

Cerebellar-abiotrophy.org accepts voluntarily reported test results for CA for inclusion on their publically available test results list. Please visit the Cerebellar Abiotrophy site for additional information: <http://www.Cerebellar-abiotrophy.org>.

Several voluntary lists are also on social media, especially Facebook. None of these are as comprehensive as the two mentioned above.

For additional information on genetic disorders affecting Arabians, please visit the Arabian Horse Association's information page: <http://www.arabianhorses.org/education/genetic/default.asp>.

Testing outside of North America is available at these labs. This is not an exhaustive list, as additional labs are offering services in various countries. Check with your local Arabian Horse Registering Authority for more information.

- Netherlands: www.vhlgenetics.com
- UK: www.laboklin.co.uk
- Germany: www.genecontrol.de/
- Australia: http://ahsa.asn.au/downloads/DNA_LFS_CA_application.pdf



THE INSTITUTE
for the **DESERT ARABIAN HORSE**

contact@desertarabian.org

www.desertarabian.org

The Institute for the Desert Arabian Horse is a 501(c)(3) public charity