



Definitions:

- **Genotype** is a genetic test that produces a unique genetic profile of an animal
- **Parentage Verification** involves comparing the **Genotype** of an animal to the **Genotypes** of its parents to verify that animal's parentage

What is needed for a Genotype:

- An application is completed on line or on paper
- A sample of the animal's tail hairs is collected and mailed to the lab along with necessary paperwork
- The roots of the hairs are used by lab technicians to run the test
- A unique genetic profile or "genetic fingerprint" is created
- The results of the test are mailed or emailed to the person requesting the test and to the ADCA Registrar

What is needed for Parentage Verification:

- An application is completed on line or on paper
- Genotypes of the animal to be verified and both its parents must be on file at the same lab
- Professional lab technicians compare all three genotypes together
- An analysis is done to determine if the animal's genotype compares positively with those of both parents
- The results of the test are mailed or emailed to the person requesting the test and to the ADCA Registrar

ADCA approved labs:

- TAM (Texas A and M)
- UCD (University of California, Davis)

What Does the Testing Cost:

- Genotypes cost \$30.00 per animal. Pricing is determined by the labs and subject to change.
- Parentage Verifications are free if the genotype of the animal being tested and the parents are already on file
- If you must transfer a genotype from one lab to another in order to have all genotypes at the same lab, there is a transfer fee. Each lab has its own procedures for doing this

How to get your animal Genotyped:

- Follow instructions on the ADCA website: Go to the "Registration/Transfer" tab and click on "Genetics and Labs"