

DNA Testing Options

Important Information

- The DNA Testing Submission Form must be completely filled out when it is sent to the ASA office. Be sure to include tattoo, Reg #, sex, DOB, Sire Reg #, and Dam Reg # on each animal you are submitting for testing. Forms that are incomplete are subject to a processing fee.
- A \$2/sample fee will be charged to all hair samples. GeneSeek has implemented this fee due to increased processing and a higher percentage of retesting with hair samples.
- GeneSeek recommends using tissue samples as their preferred method of genetic testing. Tissue samples are preferred due to their ease of sampling, longer storage life, and quicker turnaround time. Tissue samples are taken using an Allflex applicator tool to remove a sample from the animal's ear into a small tube for storing the sample. If you are interested in using tissue sampling, contact GeneSeek to order your applicator tool and sample collection units.
- If you have any questions regarding DNA testing, please contact the ASA office.

Available Tests

Test That Satisfy AI Sire/Donor Dam Requirements

GGP-LD 50K with TH, PHA, DS: \$80 This testing for AI Sire/Donor Dam requirements includes parent verification, a GGP-LD 50K DNA profile, and testing for known genetic conditions (TH, PHA, DS). Selecting animals for this test will allow them to have genomically-enhanced EPDs (GE-EPDs).

GGP-F250 with TH, PHA, DS: \$140 This testing for AI Sire/Donor Dam requirements includes parent verification, a GGP-F250 (250K) DNA profile, and testing for known genetic conditions (TH, PHA, DS). Selecting animals for this test will allow them to have genomically-enhanced EPDs (GE-EPDs).

Genomic Profiles (GGP Products)

GGP-F250: \$115 This is a high density (250K) testing panel that includes parentage markers. This test is recommended for elite sires and donor dams with large numbers of progeny. Selecting this profile will allow the animal to receive GE-EPDs.

GGP-LD 50K: \$55 This is a low density (50K) testing panel that includes parentage markers. Animals with the LD-50K profile will receive GE-EPDs.

GGP-uLD 25K: \$40 The markers on the GGP-uLD profile are used to calculate GE-EPDs. The available markers on the GGP-uLD can be imputed to the equivalence of the GGP-LD 50K. The GGP-uLD is recommended for young bulls, replacement heifers, or testing the entire cow herd.

Genetic Conditions and Stand Alone Tests

Testing for genetic conditions and stand-alone products can be ordered independently of GGP products. However, animals tested for genetic conditions without a genomic profile will NOT have GE-EPDs available. All genetic condition and parentage tests (both bundle and stand-alone) are automatically loaded into the Digital Beef registry if the test is run through GeneSeek.

TH, PHA, DS Bundle: \$48

Parentage Markers: \$35

Tibial Hemimelia (TH): \$27

Pulmonary Hypoplasia with Anasarca (PHA): \$27

Digital Subluxation (DS): \$27