

TESTING OPTIONS FOR COMMERCIAL PRODUCERS



GeneMax Advantage is intended for use in prospective commercial Angus replacement heifers or cows. Test features include:

Three multi-trait economic indexes and seventeen individual traits expressed as simple to use Advantage scores:

- **Cow Advantage** scores focus on maternal traits and rank females for net return from heifer development/ breeding to progeny weaning phase of production. Both revenue from the sale of weaned calves and costs associated with production are included.
 - Individual traits reported driving Cow Advantage score include:

Birth Weight (BW)	Calving Ease Maternal (CEM)
Weaning Weight (WW)	Yearling Weight (YW)
Heifer Pregnancy (HP)	Foot Conformation: Claw and Angle Composite (CAC)
Mature Weight (MW)	Cow Cost
Docility (DOC)	Milk
- **Feeder Advantage** scores zero-in on genetics transmitted from tested females to offspring for net returns from feedlot (growth and feed efficiency) and carcass merit, assuming animals are marketed on a Certified Angus Beef® (CAB) grid.
 - Individual traits reported driving Feeder Advantage score include:

Gain (postweaning)	Feed to Gain (F:G)
Carcass Weight (CW)	Marbling (MARB)
Ribeye Area (RE)	Fat
Tenderness (TND)	
- **Total Advantage** scores predict differences in profitability from genetic merit across all economically relevant traits captured in the Cow and Feeder Advantage index scores

The optional **Sire Match** feature links tested females to registered and transferred genomic-tested sires, regardless of the platform they are tested on. This includes sires tested with HD 50K™ and AngusGSSM.

PRICE: \$28 PER TEST

Standalone Parentage or sire verification can be used to identify an individual's sire. Many times used to pinpoint a progeny's sire from multi-sire mating pastures. In order to parent verify an individual, a progeny DNA sample as well as DNA samples on all potential sires must be tested. The GeneMax® Advantage™ genomic trait test includes optional sire verification in testing cost.

PRICE: \$18 PER TEST

Additional Genetic Testing can be purchased through AGI such as coat color or genetic condition testing.

Price:

Coat Color Test	\$18.00
Arthrogryposis Multiplex (AM) Test	\$22.00
Neuropathic Hydrocephalus (NH) Test	\$22.00
Contractural Arachnodactyly (3CA) Test	\$22.00
Osteopetrosis (OS) Test	\$22.00
Developmental Duplication (DD) Test	\$22.00
Myostatin (M1) Test	\$22.00
Oculocutaneous Hypopigmentation (OH) Test	\$18.00
Dwarfism	\$22.00
Genetic Condition Bundle (Includes all above)	\$45.00

If you have any further questions on the testing options for commercial producers listed above, feel free to contact the American Angus Association at (816) 383-5100.