

## Testing options for the commercial producer



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

Three multi-trait economic indexes and ten 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:
    - Calving Ease Maternal (CEM)
    - Weaning Weight (WW)
    - Milk
    - Heifer Pregnancy (HP)
    - Mature Weight (MW)
- *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 (similar to GeneMax Focus).
  - Individual traits reported driving Feeder Advantage score include:
    - Gain (postweaning)
    - Carcass Weight (CW)
    - Marbling (Marb)
    - Ribeye Area (RE)
    - Fat
- *Total Advantage* scores rank females for net returns across the complete supply chain (combined Cow and Feeder Advantage), essentially from heifer development prior to first conception to CAB carcasses from progeny
- Smart reporting of genetic outliers for extremes in:
  - Cow costs (milk and mature cow size)
  - Docility
  - Tenderness

Optional sire assignment (if candidate registered Angus sires have been tested with a genomic profile including Angus GS, GGP-LD, GGP-HD, i50K or HD50K)

**Price: \$28 per test**

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**GeneMax Focus** is intended for use in prospective commercial Angus replacement females, cows or feeder cattle. Test features include: genomic predictions for weaning weight (WW), feedlot gain (GMX Gain), carcass quality grade (GMX Marbling), carcass weight (CW), and combined genetic merit for gain and grade (GMX Score).

Optional sire assignment (if registered Angus sires tested with i50K or HD50K)

**Price: \$17 per test**

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**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. Both the GeneMax Advantage and GeneMax Focus genomic trait test include optional sire verification in testing cost.

**Price: \$18 per test**

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

**Price:**

Coat Color Test	\$18.00
Arthrogyrosis Multiplex (AM) Test	\$22.00
Neuropathic Hydrocephalus (NH) Test	\$22.00
Contractural Arachnodactyly (CA) 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

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