

It Pays to Know



Driving Value for Commercial Herds



Igenity Beef is a genomic selection tool designed for commercial cow-calf producers. Each replacement heifer tested receives 1 to 10 scores for 18 traits, providing insight into the maternal, health, performance, and carcass characteristics. Additional information like decision indexes, breed composition, and parentage verification help you build the complete blueprint for maximizing your herd's potential.

Improved Genetics Boosts Performance

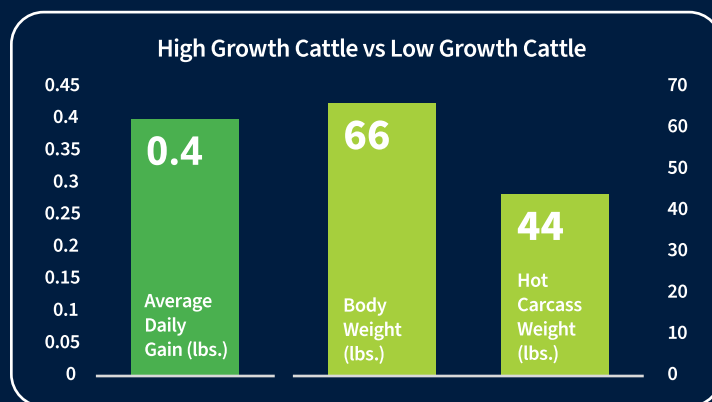


Figure 1. High-growth potential cattle (Igenity score ≥ 7 for ADG) outperformed low-growth potential cattle (Igenity score ≤ 4 for ADG) for average daily gain (+0.4 lbs.), body weight at slaughter (+66 lbs.) and hot carcass weight (+44 lbs.).¹

Key takeaway: Increasing the genetic potential of calf crops through strategic heifer selection drives value.

Making Igenity Beef Work for You

- Test your potential replacements.
- Review results with your Igenity consultant and build your plan.
- Retain the best heifers that align with your goals.
- Purchase bulls that will complement the genetics of your females.
- Continue testing every year to accelerate genetic improvement.

Igenity[®]
BEEF

Igenity Beef Provides High Quality Genomic Information

Maternal

Easier calvings, breeding efficiency, and longevity

- Birth Weight (BW)
- Calving Ease Direct (CED)
- Calving Ease Maternal (CEM)
- Stayability (STAY)
- Heifer Pregnancy (HPR)
- Docility (DOC)
- Milk (MILK)



Health, Parentage, and Breed Composition

Better health and strategic breeding

- Bovine Respiratory Disease (BRD) — Prediction of genetic susceptibility
- Igenity BCHF* — EPDs for Bovine Congestive Heart Failure
- Traits and Conditions* — Coat color, polled, and lethal recessives
- SeekSire™ — Parentage of tested animals
- BreedSeek — Breed composition
- Envigor™ — Effects of heterosis



*Add-on content. Fees apply.

Performance

Feed efficiency, more weight gained, and higher profit

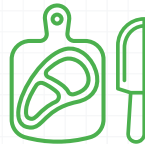
- Residual Feed Intake (RFI)
- Average Daily Gain (ADG)
- Weaning Weight (WW)
- Yearling Weight (YW)
- Scrotal Circumference (SC)



Carcass

Improved carcass yield and quality

- Tenderness (TEND)
- Ribeye Area (REA)
- Marbling (MARB)
- Fat Thickness (FAT)
- Hot Carcass Weight (HCW)



Decision Indexes

Simplified and balanced heifer selection

- Igenity Maternal Index (IMI)
- Igenity Production Index (IPI)
- Igenity Terminal Index (ITI)
- Total Cow Index (TCI)
- Days on Feed (DOF)
- Sustainability Index (SI)
- Sustainability Dollars (S\$)
- Methane Emissions Intensity Index (MEII)



How Results are Delivered

Igenity Beef Excel Report

- Emailed to you upon order completion
- Great for moderately sized test groups
- Simple, fast results management

Encompass™ - EZ

- Access all your results online
- Customize your data experience
- Gain insight through benchmarking reports

Getting Started

Your Igenity team is here to help you:

- Order sample supplies
- Learn the sampling process
- Create your Igenity Beef order
- Submit your samples

References:

1. De Vries, Jacee K., et al. "Use of Genomic Testing for Predicting Performance of Finishing Steers." *Journal of Animal Science*, vol. 102, suppl. 1, 2024, pp. 23–24, <https://doi.org/10.1093/jas/skae019.027>.

Results You can Trust, People you can Count on

Creating a sustainable cow herd that will perform as mothers and produce calves with superior growth and carcass quality is within your reach. Contact us to start building your future with Igenity Beef.

Learn more at neogen.com or contact us | 877-443-6489 | 402-435-0665 | dnahelp@neogen.com



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