



Igenity[®] Dairy
Confident Selection





Confidently Select the Best Replacement Heifers

Genomic testing helps you make the best decisions for your future by providing estimates of the true genetic potential of your animals — as soon as they're born.

Genomic testing increases your herd's profitability through:

- Increased genetic gain. Genomic profiles provide the accuracy of progeny tests based on 20 milking daughters, while traditional parent averages equate to seven daughters. Expected gains in net merit add tremendous value to dairy herds.
- Parentage verification. Parentage errors are found in approximately 15% of animals tested.
- Management of inbreeding. Avoid negative effects of inbreeding by managing your inbreeding coefficient — even without pedigree knowledge.
- Confident mating decisions. With production and type traits identified early on, you can match your heifers' genomic profiles with bulls to improve your herd.
- Dairy beef production. Breeding genetically inferior heifers to beef bulls provides value from those heifers, and keeps inferior genetics from entering your herd's gene pool.
- Sexed semen. Identify the best replacement females using genomics, and breed them to sexed semen sires.

Use Genomics for Maximum Profitability

Raising a heifer is expensive. With current milk prices, it is estimated a cow must produce over 32,000 pounds of milk before it has covered your initial investment. Using Igenity Dairy, poor performing animals can be identified, culled, or reprioritized.

Comprehensive Geomic Solutions

Igenity® Dairy is the most comprehensive genomic profile available, yet provides highly accurate, cost-effective results. Genomic testing uses tissue, blood, or hair samples to produce information on a heifer's potential for key traits.

The samples are genotyped at NEOGEN®'s Genomics Operations — the world's leading animal genomics laboratory. Working with the Council on Dairy Cattle Breeding, your calf's genomic data will be compared to thousands of other cattle with known production traits. NEOGEN provides this information to you in a very understandable format. Once you have the results, you can sort and rank heifers based on the criteria you choose.

65K SELECT AND ESSENTIAL

Igenity Dairy Solutions Include:

Igenity Select

- Streamlined genomic profile.
- Excellent decision-making tool for the commercial dairy.
- Provides highly reliable results for cost-conscious producers.
- Powered by the most advanced medium density chip in the industry.
- Predicted Transmitting Abilities updated monthly through official CDCB evaluations.

Igenity Essential

- Provides accurate genomic values through a custom CDCB pipeline.
- Provides one-time values on key traits for keep/cull decisions.
- Powered by the most advanced medium density chip in the industry.

Igenity Basic

- Great genomic testing tool for crossbred breeders.
- Features some of the most important dairy production markers.
- Returns a 1–10 score making it easy to interpret your results.

Igenity Merit

- Provides CDCB-supported Net Merit (NM\$), Cheese Merit (CM\$), and Fluid Merit (FM\$).
- Values provided are one-time calculations designed for making keep/cull decisions.

Getting Started

Determine Your Needs

Igenity® Dairy offers a variety of testing options to best suit your needs. Contact your NEOGEN® representative for a free consultation on how to make the program work for you.

Collect Samples

Samples are accepted for Holstein, Jersey, Brown Swiss, Ayrshire, and Guernsey dairy cows and heifers. Samples can be submitted via tissue samples, hair follicle samples and blood cards. Sample collection materials are available for purchase through igenitydairy.com. Follow NEOGEN's shipping instructions and deadlines for the fastest turnaround times.

Analyze Your Results

Your results can be returned in an Excel report, pdf, or other format for your data management software. Your NEOGEN representative can help analyze your results to reach your herd's full genetic potential.

*Be confident in your selection decisions.
Contact us today at igenitydairy.com to learn more about making genomics work for you!*

