

Igenity® Genomic Testing Solutions

Igenity-Prime

Summary

- Workhorse of the Igenity Dairy Heifer Program.
- Proven return on investment for commercial dairies.
- Powered by a custom chip that includes nearly 42,000 genetic markers.
- Add-on content available that can be used to work toward specific breeding goals.
- Supported by the USDA to give highly accurate results.

Breeds supported: Holstein, Jersey and Brown Swiss. All breeds must be at least 87% purebred.

Submission information: All information required by the USDA evaluation must be submitted with each sample. Turnaround time for this profile is approximately 3–4 weeks.

Profile Detail

Results from **Igenity-Prime** include over 45 traits received from the USDA evaluation and includes content for coat color, milk components and genetic conditions.

Igenity-Prime includes the following traits plus additional add-on content:

Igenity-Prime

Key Traits

Parentage verification
Net merit
Milk yield
Fat (lbs.)
Protein (lbs.)
Somatic cell score
Productive life (months)
Daughter pregnancy rate
Daughter calving ease*
Igenity performance index (IPI)
Grazing merit
Final score (PTAT)
Genomic future inbreeding

Yield Traits

Fat (%)
Protein (%)
Cheese merit
Fluid merit

Fertility Traits

Sire calving ease*
Heifer conception rate
Cow conception rate
Daughter stillbirth*
Sire stillbirth*
Haplotype status

Type Traits

Feet/legs composite*
Udder composite*
Stature
Strength
Body depth*
Dairy form
Rump angle
Thurl width
Rear legs side view
Rear legs rear view*
Foot angle
Feet and leg score*
Fore udder attachment

Rear udder height
Rear udder width
Udder cleft
Udder depth
Front teat placement
Rear teat placement*
Teat length

Genetic Conditions

Coat color (including black/red)*
Dominant red coat color*
Haplotype polled
Haplotype brachyspina*
Haplotype CVM*
HCD*
Kappa casein
Beta casein
Beta lactoglobulin
BLAD*
DUMPS*
Mulefoot*

Add-on content available with Igenity-Prime:

- BVD diagnostic testing
- Y SNP testing
- A2 beta-casein
- Causative brachyspina*
- Causative horned/pollled
- Causative complex vertebrae malformation (CVM)*

*Traits available for Holstein animals, but may not be available for all breeds.



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