



Igenity[®] Dairy

New 65K chip. Both profiles. Your choice.

Trait testing to provide you the whole picture.

Traits	Igenity Select	Igenity Essential
Parentage	Yes — parentage discovery	Sire discovery — add on
Result type	Official CDCB PTAs**	CDCB supported breeding values
Turnaround time	17 days guaranteed*	17 days guaranteed*
Traits included (see reverse for more details)	All CDCB traits Kappa-casein Beta-casein Beta-lactoglobulin	15 key traits
Add-on content available	A2 beta-casein BVD diagnostic testing Causative brachyspina Causative horned/pollled Causative complex vertebral malformation	A2 beta-casein BVD diagnostic testing Parentage
Additional fees	Add-on content Sampling equipment CDCB fees	Add-on content Sampling equipment
Males supported	Yes	No
Breeds supported	Ayrshire, Brown Swiss, Guernsey, Holstein, Jersey	Ayrshire, Brown Swiss, Guernsey, Holstein, Jersey
Information required	Sample ID Animal ID Unique ID (Reg. #RFID/AIN) Breed, sex, birth date, multiple birth status Strongly encouraged: sire ID and dam ID	Sample ID Animal ID Breed *For Parentage add-on unique ID required, birth date, multiple birth status required
Chip	Custom dairy GGP65K	Custom dairy GGP65K
Price	\$\$\$	\$\$

*To qualify for 17 day turnaround time guarantee, samples must be submitted using Allfex Tissue Sampling Units (TSUs), provide a completed electronic submission form and arrive with proper identification. Exclusions apply. Contact your NEOGEN[®] representative or visit genomics.neogen.com/en/igenityguarantee for complete details.

**PTAs are Predicted Transmitting Abilities that combine genomic breeding values with ancestral phenotypic information for enhanced reliability.



	Trait	Igenity Select	Igenity Essential
Key Traits	Net merit	●	●
	Milk yield	●	●
	Fat (lbs.)	●	●
	Protein (lbs.)	●	●
	Somatic cell score	●	●
	Productive life	●	●
	Daughter pregnancy rate	●	●
	Daughter calving ease*	●	●
	Igenity® performance index (IPI)*	●	
	Final score (PTAT)	●	●
Health Traits	Genomic future inbreeding	●	
	Cow livability	●	
	Hypocalcemia (milk fever)*	●	
	Displaced abomasum*	●	
	Ketosis*	●	
	Mastitis*	●	
Yield Traits	Metritis*	●	
	Retained placenta*	●	
	Fat (%)	●	●
	Protein (%)	●	●
	Cheese merit	●	●
Fertility Traits	Fluid merit	●	●
	Grazing merit	●	
	Sire calving ease*	●	
	Heifer conception rate	●	
	Cow conception rate	●	
	Daughter stillbirth*	●	●
	Sire stillbirth*	●	
	Gestation length	●	
Early first calving	●		
Haplotype status*	●		

	Trait	Igenity Select	Igenity Essential
Type Traits	Dairy form	●	●
	Type traits including: feet/legs composite*, udder composite*, stature, strength, body depth*, rump angle, thurl width, rear legs side view, rear legs rear view*, foot angle, feet and leg score*, fore udder attachment, rear udder attachment, rear udder height, rear udder width, udder cleft, udder depth, front teat placement, rear teat placement*, and teat length	●	
Genetic Conditions	Coat color (including black/red)*	●	
	Dominant red coat color*	●	
	Haplotype polled	●	
	Haplotype brachyspina*	●	
	Haplotype CVM*	●	
	Haplotype HCD	●	
	BLAD*	●	
	DUMPS*	●	
	Haplotype mulefoot	●	
	Kappa-casein	●	
	Beta-casein	●	
	Beta lactogloblin	●	
	Other	Breed composition	●
A2 beta-casein†		●	●
BVD diagnostic testing†		●	●
Caustive brachyspina		●	
Caustive horned/polled		●	
Caustive complex vertebral malformation	●		

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

†Traits available for an additional fee.

Feed saved, heifer livability, and updated type traits available December 2020.

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