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Igenity® Beef Profile

Customer Information

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Order Information

Igenity Order ID: 200397
Order ID: 1217700
Report Date: 12/26/2025
Order Date: 12/08/2025
Order Completion Date: 12/26/2025

Thank you for using Neogen for your genomic testing needs.

Your results are contained in the following pages.

Please be sure to check the "Animals Not Reported" page to see if any action is required of you.

Please don't hesitate to contact us if you have any questions or concerns regarding your order.

Results Authorized By:



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Detailed Report

Animal Information				Decision Indexes			Maternal							Production					Carcass				
Animal ID	Sample Barcode	Gender (M/F)	Breed	Igenity Maternal Index	Igenity Production Index	Igenity Terminal Index	BW	CED	CEM	HP R	MILK	STAY	DOC	W W	ADG	YW	RFI	SC	MARB	REA	FAT	TEND	HCW
T-FB2 9 59	NE06392479	F	AN	7.6	6.40	5.40	4	9	8	8	5	8	2	8	8	8	5	6	6	5	6	6	5
T-HAH 81 57	NE06392449	F	AN	7.15	6.55	6.55	5	7	6	9	5	7	6	8	8	8	4	8	5	6	7	6	8
T-JD 98 80	NE06392458	F	AN	6.8	6.60	6.75	5	8	8	8	3	6	1	7	7	7	4	8	6	6	6	4	8
T-KAR 5141 61	NE06392471	F	AN	6.8	6.05	5.80	6	7	7	7	5	6	6	9	9	9	6	5	5	5	8	9	7
T-FBH 80 58	NE06392459	F	AN	6.65	6.55	6.65	4	7	6	9	5	6	6	7	7	7	5	6	7	6	6	9	7
T-LE 98 84	NE06392477	F	AN	6.65	6.15	4.85	2	9	9	6	6	7	7	5	5	5	6	6	7	4	8	8	4
T-JAP 2811 62	NE06392456	F	AN	6.5	6.60	6.00	3	7	8	6	6	7	6	6	7	6	6	4	6	7	6	9	6
T-C91 49	NE06392453	F	AN	6.5	6.40	6.05	3	6	6	8	6	7	5	6	7	7	5	5	6	7	6	7	6
T-GAP 2811 48	NE06392445	F	AN	6.5	6.30	5.70	3	7	7	3	5	8	6	6	5	5	1	4	5	4	5	4	5
T-MJA 2811 81	NE06392457	F	AN	6.45	6.55	6.50	4	9	7	6	5	6	4	7	9	8	6	5	7	7	6	7	7
T-KET 972 72	NE06392447	F	AN	6.45	5.95	6.15	5	7	7	10	3	5	6	8	9	8	8	4	7	5	7	4	8
T-HRT 3 71	NE06392452	F	AN	6.4	6.30	6.75	5	7	7	7	4	5	2	8	10	9	5	5	6	7	6	5	8
T-GR 5141 05	NE06392472	F	AN	6.35	6.25	6.40	2	6	6	9	6	6	6	6	5	6	6	6	6	7	5	7	7
T-JG 32 6	NE06392455	F	AN	6.3	6.10	5.75	5	6	7	7	7	6	6	7	7	7	8	6	7	6	6	8	6
T- BVH 80 47	NE06392440	F	AN	6.25	6.20	6.75	3	8	6	7	5	5	5	7	7	7	5	5	6	6	6	7	8
T-LHB 43 04	NE06392450	F	AN	6.15	5.95	6.70	6	6	6	9	4	4	5	9	8	9	8	5	7	6	5	9	8
T-FB1 9 7	NE06392448	F	AN	6.15	5.60	5.95	5	8	7	8	2	4	3	9	9	9	8	6	6	7	6	6	7
T-GVP 2811 23	NE06392451	F	AN	6.05	6.30	6.45	5	6	6	5	7	6	5	8	7	8	8	5	7	6	6	6	8
T-G 32 40	NE06392476	F	AN	6.05	5.50	5.15	1	8	8	7	6	5	5	5	5	4	7	6	6	4	6	9	5
T-EC 98 1	NE06392470	F	AN	6	5.55	5.85	6	7	5	7	7	4	6	7	8	8	5	5	7	5	8	7	6

I-FBV 3 78	NE06392473	F	AN	5.95	6.35	6.70	4	7	5	6	6	5	7	7	6	7	5	6	7	7	7	10	7
T-LHC 91 01	NE06392442	F	AN	5.95	5.90	6.40	3	7	6	7	5	4	7	7	8	8	5	9	7	6	7	6	7
T-HBG 102 16	NE04597045	F	AN	5.95	5.55	4.80	3	7	8	5	6	6	7	5	4	5	6	5	5	6	6	7	4
T-JGV 85 51	NE06392454	F	AN	5.85	N/A	N/A	5	5	6	5	5	5	7	8	8	8	5	5	6	6	7	NR	6
T-ERT-13 15	NE04597046	F	AN	5.85	6.05	5.75	3	7	8	7	6	5	7	5	6	5	8	5	7	7	7	8	6
T-NGR 5141 2	NE06392475	F	AN	5.6	6.30	7.15	7	6	5	5	5	5	7	8	7	8	7	5	7	6	5	7	9
T-HT 972 76	NE06392446	F	AN	5.55	5.65	5.85	5	7	6	7	5	4	6	5	5	5	5	8	6	7	8	7	6
T-GCS 3 36	NE06392443	F	AN	5.55	5.55	6.25	7	5	5	8	1	4	4	8	7	8	5	10	6	7	6	3	7
T-HCG 102 46	NE06392444	F	AN	5.45	5.50	6.20	6	5	5	6	7	4	5	6	6	6	5	9	6	5	6	6	7
T-KHM 11 52	NE06392474	F	AN	5.3	5.80	6.25	7	4	4	6	2	5	5	8	9	8	5	9	6	6	7	7	7
T-MFR 5141 03	NE06392478	F	AN	5.15	5.80	6.95	4	5	4	7	4	3	7	7	8	7	5	7	7	7	7	7	8
T-HCT 91 73	NE04597047	F	AN	5.05	4.85	5.90	4	5	5	8	5	2	6	6	6	6	6	9	5	6	7	7	7
T-MJD 84 34	NE04597044	F	AN	4.9	4.90	5.70	6	5	4	6	4	3	6	8	8	8	8	6	5	7	7	7	7
T-JC 98 75	NE06392441	F	AN	4.75	4.55	5.10	4	5	3	6	5	3	5	6	6	6	5	7	6	5	8	4	5

Average Trait Value for All Animals



	Maternal							Production					Carcass				
	BW	CED	CEM	HPR	MILK	STAY	DOC	WW	ADG	YW	RFI	SC	MARB	REA	FAT	TEND	HCW
Overall Average	4.4	6.6	6.2	6.9	4.9	5.2	5.4	7.0	7.1	7.1	5.8	6.2	6.2	6.0	6.5	6.8	6.7

Trait Definitions

Igenity Maternal Index (IMI)	This index is highly maternal and designed to select replacement heifers for fertility, longevity and higher weaned calf weight. It is a tool developed for producers who sell calves at weaning or after a short backgrounding period.	Docility (DOC)	Genetic potential to be calm or have calm offspring. Higher scores indicate a higher probability of acceptable disposition.
Igenity Production Index (IPI)	The Igenity Production Index is well balanced for maternal, production and carcass progeny traits. It is designed for producers who raise their own heifers and want broad improvement across multiple traits.	Weaning Weight (WW)	Difference in average 205-day weight. The higher the number, the greater the weaning weight of calves.
Igenity Terminal Index (ITI)	The Igenity Terminal index is specialized to identify animals with superior carcass performance. It places the highest emphasis on hot carcass weight, followed by marbling and rib eye area. There is, however, a negative emphasis placed on residual feed intake and fat thickness to control feed costs.	Average Daily Gain (ADG)	Based on pounds of gain per day. The Igenity score for Average Daily Gain (ADG) identifies genetic potential for post-weaning growth.
Birth Weight (BW)	Higher scores equate to higher birthweight potential. Heavy calves can cause calving difficulty but also have more growth potential. (CED or CEM in selection indexes are preferred over BW alone).	Yearling Weight (YW)	Difference in average 365-day weight. The higher the number, the greater the yearling weight.
Calving Ease Direct (CED)	Greater probability a calf will be born unassisted out of a first-calf heifer, including birth weight and shape of the calf. A higher value is greater calving ease.	Residual Feed Intake (RFI)	This is an indicator of feed efficiency. It is the difference in animals' daily consumption of feed to achieve the same level of daily gain. Lower RFI indicates greater feed efficiency.
Calving Ease Maternal (CEM)	Includes all genetic factors that impact a first-calf heifer's ability to calve unassisted, such as pelvic area and her genetics for birth weight. Higher value is more calving ease.	Scrotal Circumference (SC)	Difference in scrotal size as an indication of fertility in replacement females. A higher score equates to higher scrotal size.
Heifer Pregnancy Rate (HPR)	A heifer's potential to conceive during breeding season, relative to other heifers. A higher value is desired.	Marbling (MARB)	USDA marbling score at a similar end-point. The higher the marbling, the higher the USDA quality grade.

MILK	Pounds of calf weaning weight due to dam's milk production. Optimize "milk" to the forage environment.	Ribeye Area (REA)	Ribeye area as measured on a carcass. REA estimates muscling in a beef carcass in square inches of ribeye at the 12th rib. Larger REA progeny have more muscle and higher percentage of retail product.
Stayability (STAY)	The chance a heifer will remain in the herd as a productive cow until at least six years of age. A higher value is desired.	FAT	Backfat as measured on a carcass. Fat thickness is scored as depth of fat in inches over the ribeye muscle at the 12th rib. Higher fat thickness scores equate to lower lean yield.
Hot Carcass Weight (HCW)	Unchilled weight of a beef carcass. The higher the HCW, the greater the dressing percentage.	Tenderness (TEND)	Genetic potential for beef tenderness (Warner-Bratzler Shear Force). A higher 1-10 score is more tender.

Add-On Result Definitions

BreedSeek	BreedSeek identifies breed-specific markers present in individual animals to determine which breeds have the highest representation in that specific animal. BreedSeek reports breed composition for Primary and Secondary breeds of origin and %. BreedSeek accurately reports breed composition for the following breeds: Angus, Akaushi, Ayrshire, Brahman, Brown Swiss, Charolais, Gelbvieh, Guernsey, Gyr, Jersey, Limousin, Hereford, Holstein, Piedmontese, Nelore, Red Angus, Shorthorn, Simmental, South Devon, and Wagyu <i>*BreedSeek does not report, Secondary Breed of Origin, Secondary Breed % or Other Breed %, if Primary Breed is or above 90%</i>		
Horned Polled (HP)	Polled is a dominant trait. (Results do not reveal the presence or absence of scurs.) HH = Homozygous Horned HP = Heterozygous Horned/Polled PP = Homozygous Polled.	BCHF EPD	The estimated genetic risk of Bovine Congestive Heart Failure (BCHF) that an animal may pass on to its offspring is expressed as the percentage of progeny expected to be at risk of developing BCHF, compared to their contemporary group mates. A lower score is more favorable, indicating that the animal is less likely to contribute to BCHF risk in future generations
Coat Color (CC)	Coat color genes determine red or black coat. Black is the dominant trait. Results are reported as: Yes = Homozygous Black – all progeny will be black when mated to recessive red carrier animals. No = Not Homozygous Black – ½ progeny will be black and ½ will be red when mated to recessive red carrier animals.	BCHF Accuracy	Accuracy score reflects the confidence level in the EPD estimate. Ranging from 0 to 1, a higher values indicating greater reliability
Igenity Total Cow Index	As a combination of the IMI and Envigor scores, the ITCI is designed to select females that will not only excel because of increased heterosis and genetic potential, but also pass that same genetic potential on to their progeny.	BCHF Percentile Rank	The BCHF Percentile Rank is reported on a 1-100 scale, ranking animals against all cattle tested based on their BCHF EPD results. A lower percentile rank is more favorable.
Envigor Score	While not heritable, an Envigor score is a measure of heterosis in a crossbred animal. Higher value is an indication of increased hybrid vigor, thus increased fertility, longevity, and less susceptibility to health events.		

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