



Igenity® – Confident Selection

Neogen GeneSeek Operations

4131 North 48th Street

Lincoln, NE 68504

(402) 435-0665 - Igenity.Support@neogen.com

Igenity Beef Profile

Customer Information

Customer Name: Noche Linda Farms

Customer Address: 461 College Rd

Paris KY 40361-9581 US

Customer Phone: 8597077004

Customer Email: nochelinda@roadrunner.com

Customer Account ID: NOC010

Order Information

Igenity Order ID: 158362

Report Date: 1/3/2023

Order Date: 12/12/2022

Lab Order ID: 815416

Order Completion Date: 1/1/2023

Thank you for using Igenity for your genomic testing needs.

Your results are contained in the following pages.

Please be sure to check the "Animals Not Included" 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 Igenity order.

Detailed Report

Animal Information				Decision Indexes		Maternal							Production					Carcass				
Animal ID Number	Sample Barcode Number	Gender (M/F)	Breed	Igenity Maternal Index	Igenity Production Index	BW	CED	CEM	HPR	MILK	STAY	DOC	WW	ADG	YW	RFI	SC	MARB	REA	FAT	TEND	HCW
N JG 32	NE03745075	F		6.95	6.30	2	8	8	3	6	9	6	6	7	6	2	6	4	4	5	7	4
N C 91	NE03745000	F		6.95	6.20	3	8	8	7	6	9	5	6	8	7	8	6	6	5	5	3	5
N FRL 84	NE03745088	F		6.90	6.20	4	8	8	8	3	6	9	7	7	7	3	7	7	3	6	4	6
N GR 5141	NE03745009	F		6.80	6.80	5	6	7	7	6	6	7	8	7	8	4	6	6	7	5	4	9
N KDL 84	NE03745070	F		6.70	5.35	3	7	8	6	7	6	6	7	7	7	5	4	5	4	6	1	5
N KHB 43	NE03744979	F		6.65	6.50	5	7	7	8	5	7	6	8	9	9	9	4	7	5	6	7	8
N FBL 831	NE02955229	F		6.65	6.35	4	8	8	7	6	6	8	6	6	6	5	7	7	4	7	5	7
N EAR 851	NE03745008	F		6.60	6.85	5	6	6	6	5	7	5	8	8	9	4	7	7	6	6	4	8
N LE 98	NE03745007	F		6.50	6.25	4	8	7	7	6	6	6	6	7	7	5	8	7	6	8	5	6
N BH 80	NE03745085	F		6.45	6.85	6	5	7	6	7	7	4	6	7	6	4	5	6	6	6	6	8
N BVH 80	NE03744971	F		6.45	5.85	5	8	8	5	9	5	8	6	7	6	5	6	6	5	7	6	6
N ECT 972	NE03745072	F		6.40	6.45	4	6	7	7	5	8	6	6	7	6	7	5	7	5	7	1	7
N KAR 5141	NE03745006	F		6.40	6.20	5	6	6	6	6	6	6	9	10	9	7	9	7	5	7	4	8
N E 98	NE02260010	F		6.30	6.40	7	6	5	7	6	6	6	7	8	7	4	7	8	5	7	4	7
N GV 85	NE02955227	F		6.30	6.00	5	7	6	8	5	5	6	7	7	7	5	4	6	5	5	9	7
N JGV 85	NE03745084	F		6.30	5.60	8	4	5	5	6	4	7	10	9	10	1	6	5	5	5	4	7
N CU 178	NE03745086	F		6.25	6.05	2	8	8	5	7	7	7	5	7	6	7	5	6	5	6	4	6
N HAH 81	NE03744976	F		6.25	5.90	5	7	7	6	5	6	4	6	7	6	4	8	4	7	7	6	6
N KGV 2811	NE03744974	F		6.20	6.55	7	6	7	5	4	6	7	9	9	9	7	4	8	5	6	5	8
N G 32	NE03745073	F		6.20	6.00	4	6	7	7	5	7	5	6	8	7	7	4	5	4	6	7	7
N JD 98	NE03745079	F		6.20	5.85	3	7	8	6	6	6	4	5	6	6	5	6	5	5	6	5	6
N EC 98	NE03745089	F		6.15	6.30	7	6	5	8	4	6	8	8	8	8	7	8	7	6	7	6	8
N LD 84	NE02955228	F		6.15	6.25	7	6	6	7	6	4	6	8	8	8	5	5	8	6	6	5	8
N FS 2811	NE02260009	F		6.10	6.10	6	6	5	9	2	8	7	7	8	7	9	6	6	6	7	4	7
N GEB 851	NE03744978	F		6.10	6.05	4	6	7	5	6	6	5	6	7	7	4	7	6	6	7	3	6
N JHB 80	NE03745078	F		6.10	5.75	5	6	7	5	6	5	4	6	7	7	2	6	5	6	6	6	5
N GCV 83	NE03745004	F		6.05	6.00	4	8	6	5	6	5	6	8	9	8	7	7	7	6	6	3	8
N ERT 13	NE03745080	F		6.05	5.50	5	6	7	10	5	5	6	6	7	6	9	5	7	4	6	7	6

Detailed Report

Animal Information				Decision Indexes		Maternal							Production					Carcass				
Animal ID Number	Sample Barcode Number	Gender (M/F)	Breed	Igenity Maternal Index	Igenity Production Index	BW	CED	CEM	HPR	MILK	STAY	DOC	WW	ADG	YW	RFI	SC	MARB	REA	FAT	TEND	HCW
N LFB 80	NE03745083	F		6.05	5.35	4	7	8	7	4	4	7	8	7	8	8	7	6	5	7	7	6
N HCT 91	NE03744970	F		5.95	5.80	3	8	7	8	2	5	7	7	7	7	8	5	5	6	7	7	8
N HCG 201	NE03745076	F		5.90	6.20	5	7	6	6	3	6	7	7	7	7	6	7	6	5	6	6	8
N ET 972	NE03744977	F		5.90	5.50	6	5	6	8	6	6	4	6	7	7	8	6	7	3	7	4	6
N GVP 2811	NE03744975	F		5.80	6.15	3	7	6	4	7	6	6	6	7	7	6	6	5	7	6	9	7
N KET 972	NE03745081	F		5.80	5.95	3	7	7	3	3	6	7	7	8	7	4	4	6	5	6	3	6
N Bspring 3	NE02260007	F		5.70	6.00	5	5	3	5	8	7	5	7	8	8	7	6	6	6	5	3	8
N HBR 32	NE02955226	F		5.70	5.85	6	5	4	6	3	7	5	8	8	8	7	5	5	5	7	4	8
N GAP 2811	NE03745074	F		5.55	4.75	6	5	4	7	4	4	6	8	7	7	5	4	5	4	5	3	6
N ERT 68	NE03745087	F		5.55	4.65	3	6	6	7	5	4	6	6	7	7	6	6	5	3	6	1	6
N FD 98	NE03745071	F		5.50	6.30	6	6	5	5	5	5	5	6	7	6	4	6	6	7	7	7	8
N DV 85	NE03744973	F		5.50	6.25	5	6	5	5	6	5	9	6	7	7	5	4	8	6	6	6	7
N JEC 98	NE03745082	F		5.50	5.60	3	8	6	6	5	4	6	6	6	6	7	5	8	4	7	4	7
N KCS 851	NE03745005	F		5.50	5.35	5	4	5	3	5	5	6	8	8	8	3	6	3	6	5	4	7
N FVP 2811	NE03745001	F		5.45	5.85	4	6	6	5	5	4	6	6	6	6	4	5	6	5	7	9	7
N KE 972	NE02260008	F		5.35	5.25	5	4	4	5	6	4	6	8	8	8	5	6	5	5	5	3	8
N CSL 851	NE03744972	F		5.30	5.85	5	5	6	6	4	6	6	6	7	7	9	4	6	4	6	7	8
N GBS 851	NE02955230	F		5.30	5.25	5	4	4	4	5	5	5	7	6	7	3	5	4	6	5	4	6
N HBG 102	NE03745003	F		5.25	5.70	6	6	6	5	5	5	6	5	5	5	6	8	5	6	6	7	7
N PCH 80	NE03745077	F		5.20	5.10	3	7	7	5	4	4	7	5	5	5	6	4	6	3	6	4	6

Additional Result Tests

<i>Animal Information</i>				<i>Add-Ons</i>
Animal ID Number	Sample Barcode Number	Gender (M/F)	Breed	Coat Color (CC)
N JG 32	NE03745075	F		No
N C 91	NE03745000	F		No
N FRL 84	NE03745088	F		Yes
N GR 5141	NE03745009	F		Yes
N KDL 84	NE03745070	F		No
N KHB 43	NE03744979	F		No
N FBL 831	NE02955229	F		No
N EAR 851	NE03745008	F		No
N LE 98	NE03745007	F		Yes
N BH 80	NE03745085	F		Yes
N BVH 80	NE03744971	F		No
N ECT 972	NE03745072	F		No
N KAR 5141	NE03745006	F		Yes
N E 98	NE02260010	F		No
N GV 85	NE02955227	F		Yes
N JGV 85	NE03745084	F		No
N CU 178	NE03745086	F		No
N HAH 81	NE03744976	F		Yes
N KGV 2811	NE03744974	F		Yes
N G 32	NE03745073	F		No
N JD 98	NE03745079	F		No
N EC 98	NE03745089	F		Yes
N LD 84	NE02955228	F		Yes
N FS 2811	NE02260009	F		No
N GEB 851	NE03744978	F		Yes
N JHB 80	NE03745078	F		No
N GCV 83	NE03745004	F		Yes
N ERT 13	NE03745080	F		No
N LFB 80	NE03745083	F		Yes

Additional Result Tests

<i>Animal Information</i>				<i>Add-Ons</i>
Animal ID Number	Sample Barcode Number	Gender (M/F)	Breed	Coat Color (CC)
N HCT 91	NE03744970	F		No
N HCG 201	NE03745076	F		Yes
N ET 972	NE03744977	F		Yes
N GVP 2811	NE03744975	F		No
N KET 972	NE03745081	F		No
N Bspring 3	NE02260007	F		No
N HBR 32	NE02955226	F		Yes
N GAP 2811	NE03745074	F		No
N ERT 68	NE03745087	F		Yes
N FD 98	NE03745071	F		Yes
N DV 85	NE03744973	F		Yes
N JEC 98	NE03745082	F		No
N KCS 851	NE03745005	F		No
N FVP 2811	NE03745001	F		Yes
N KE 972	NE02260008	F		No
N CSL 851	NE03744972	F		No
N GBS 851	NE02955230	F		No
N HBG 102	NE03745003	F		No
N PCH 80	NE03745077	F		Yes

Add-On Result Definition

Horned Polled (HP)	<p>Polled is a dominant trait. (Results do not reveal the presence or absence of scurs.)</p> <p>HH = Homozygous Horned HP = Heterozygous Horned/Polled PP = Homozygous Polled.</p>	BCHF Breeding Rank	<p>Indicates greater probability that an animal will pass down genes with increased association to Bovine Congestive Heart Failure (BCHF) in the feedlot. Higher scores equate to increased likelihood of risk within calves.</p>
Coat Color (CC)	<p>Coat color genes determine red or black coat. Black is the dominant trait. Results are reported as:</p> <p>Yes = Homozygous Black – all progeny will be black when mated to recessive red carrier animals.</p> <p>No = Not Homozygous Black – ½ progeny will be black and ½ will be red when mated to recessive red carrier animals.</p>	Envigor Score	<p>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.</p>

Definition

SELECT, MANAGE AND MARKET YOUR CATTLE

- Select replacement heifers that move you ahead on your fertility, production and quality goals
- Use DNA scores to manage breeding and production potential
- Leverage data in calf marketing, bred heifer sales or retained-ownership decisions

MATERNAL, PERFORMANCE AND CARCASS TRAITS

- Pinpoint herd strengths and improvement areas
- Easy-to-read 1 to 10 scoring
- Predict traits heifers will pass on to their offspring

INDEXES FOR SELECTION DECISIONS

- Designed for multi-trait selection
- Emphasize balanced, maternal or beef system qualities
- Online tools to build your own index

By submitting this form I acknowledge I have read and agree to this Disclaimer Neogen Disclaimer: Notwithstanding anything contained herein, the services provided hereunder are delivered “as-is.” Neogen warrants only that it will use commercially reasonable efforts to process the sample(s) provided herein to Neogen from you. Neogen provides no other warranty of any kind, whether express or implied, (including without limitation, all warranties of merchantability, fitness for a particular purpose, title, and noninfringement), and Neogen assumes no legal liability or responsibility for the accuracy, completeness, reliability or usefulness of any information disclosed, nor does Neogen represent that its use would not infringe privately owned rights. All results will be predicated on the assumption that each sample is obtained from a single cattle beast, and will be reported in association with the sample designations provided by you. Neogen assumes no responsibility for correctly identifying a particular animal as the source of any sample. In no event shall Neogen or its agents or officers be liable for any damages whatsoever (including without limitation, damages for loss of profits or business interruption, or any indirect, special, punitive, consequential or incidental damages) arising out of the use of the information and data obtained through the services provided hereunder, even if Neogen has been advised of the possibility of such damages.

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.	Weaning Weight (WW)	Difference in average 205-day weight. The higher the number, the greater the weaning weight of calves.
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.	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.
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.	Yearling Weight (YW)	Difference in average 365-day weight. The higher the number, the greater the yearling weight.
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.)	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 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.	Scrotal Circumference (SC)	Difference in scrotal size as an indication of fertility in replacement females. A higher score equates to higher scrotal size.
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.	Marbling (MARB)	USDA marbling score at a similar end-point. The higher the marbling, the higher the USDA quality grade.
Heifer Pregnancy Rate (HPR)	A heifer’s potential to conceive during breeding season, relative to other heifers. A higher value is desired.	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.
MILK	Pounds of calf weaning weight due to dam’s milk production. Optimize “milk” to the forage environment.	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.
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.	Tenderness (TEND)	Genetic potential for beef tenderness (Warner-Bratzler Shear Force). A higher 1-10 score is more tender.
Docility (DOC)	Genetic potential to be calm or have calm offspring. Higher scores indicate a higher probability of acceptable disposition.	Hot Carcass Weight (HCW)	Unchilled weight of a beef carcass. The higher the HCW, the greater the dressing percentage.