



The IGENITY® Profile.

Comprehensive. Practical. Powerful.

v5e

Using the power of DNA, IGENITY® provides cattle producers a comprehensive profile of individual animals. The easy to use profile includes analysis for economically important traits such as:

Carcass composition

- Tenderness
- Percent Choice
- Yield Grade
- Ribeye Area
- Fat Thickness
- Marbling

Maternal Traits

- Heifer Pregnancy Rate
- Maternal Calving Ease
- Stayability

Docility

Average Daily Gain

Options:

- BVD-PI
- Coat Color
- Multi-Sire Parentage
- Myostatin
- Feed Efficiency
 - Residual Feed Intake for *Bos taurus*
 - Residual Feed Intake for *Bos indicus*
- Horned/Polled
- Neuropathic Hydrocephalus (NH)
- Osteopetrosis (OS)
- Tibial Hemimelia (TH)
- Pulmonary Hypoplasia with Anasarca (PHA)
- Coat Color Dilutor
- Idiopathic Epilepsy (IE)
- Arthrogyposis Multiplex (AM)
- Chondrodysplasia (CHO)
- Dun (DN)



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Inside information you can use.

What an IGENITY profile means. IGENITY profile scores range from a low of 1 to a high of 10 for each economically important trait analyzed. This table shows the value associated with each score.

IGENITY profile results and associated effects*

IGENITY Result	Residual Feed Intake Indicus**	Residual Feed Intake Taurus**	Average Daily Gain***	Tender-ness in lbs. of WBSF	USDA Marbling Score	% Choice Based on Quality Grade	Yield Grade	Back Fat Thickness in Inches	Ribeye Area in Square Inches	Heifer Pregnancy Rate	Stay-ability	Maternal Calving Ease	Docility
10	5.5	4.2	0.81	-2.3	161.4	64.4	1.35	.37	2.56	18.8	16.7	9.5	45.4
9	5.0	3.6	0.72	-2.0	141.3	57.2	1.21	.32	2.22	16.2	14.7	8.4	39.6
8	4.2	3.1	0.64	-1.9	123.6	50.1	1.07	.28	1.93	14.2	12.9	7.3	34.7
7	3.6	2.7	0.54	-1.5	106.4	42.9	0.92	.24	1.64	12.1	11.2	6.2	30.0
6	3.0	2.2	0.44	-1.2	88.4	35.8	0.76	.21	1.35	10.0	9.5	5.1	25.3
5	2.4	1.8	0.34	-1.1	70.6	28.6	0.61	.17	1.07	8.1	7.6	4.1	20.5
4	1.9	1.3	0.24	-0.8	53.3	21.5	0.46	.13	0.80	6.0	5.8	3.1	15.7
3	1.2	0.9	0.14	-0.4	35.5	14.3	0.31	.09	0.53	4.0	3.9	2.0	10.7
2	0.6	0.4	0.05	-0.2	17.7	7.2	0.15	.06	0.24	1.9	2.5	1.0	5.8
1	0	0	0	0	0	0	0	0	0	0	0	0	0
P-value	5.7E-13	8.04E-08	2.4E-19	1.9E-08	3.8E-18	1.0E-20	1.6E-16	3.9E-20	1.8E-14	2.6E-30	1.1E-34	4.2E-32	3.1E-19

*Data on file at Merial. Results expressed represent differences expected in animals compared to contemporaries with IGENITY Profile scores of 1.

**Lbs of feed per day.

*** Lbs of gain per day.

How to read an IGENITY profile. One of the greatest values of the IGENITY profile is that all results are integrated and provided in one single profile, similar to the report shown here.

IGENITY Profile

Animal ID	M/F	Breed	Sample Barcode #	Red/Black Coat Color	Residual Feed Intake	Average Daily Gain	Tenderness	Marbling	% Choice	Yield Grade	Fat Thickness	Ribeye Area	Heifer Pregnancy	Stayability	Calving Ease	Docility	BVD-PI	Polled
701	M	-	nv011507_01	ED/ED	8	9	8	8	8	8	8	9	9	8	8	7	POS	HH
702	F	-	nv011507_02	ED/ED	4	3	4	6	5	7	6	7	4	5	7	5	NEG	-
704	F	-	nv011507_04	ED/e	6	7	3	8	6	6	3	4	8	6	3	6	POS	-
705	F	-	nv011507_05	ED/ED	5	3	4	6	5	5	6	4	5	6	5	8	NEG	-



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