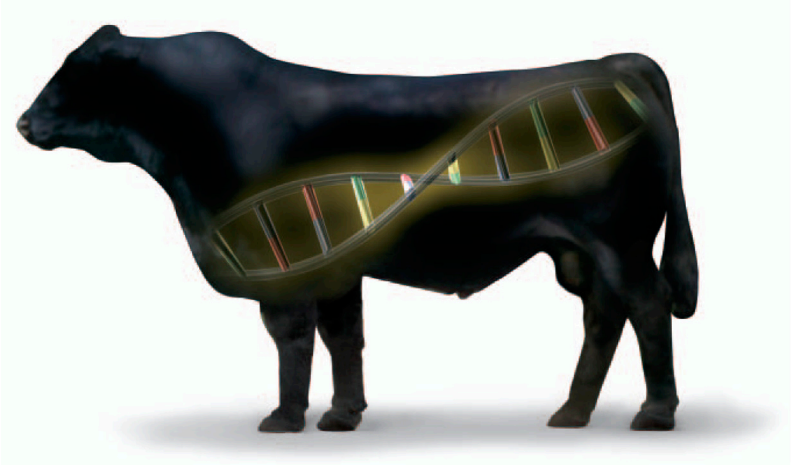

The IGENITY® Profile.

Comprehensive. Practical. Powerful.

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

- Quality Grade
- Yield Grade
- Hot Carcass Weight
- Ribeye Area
- Fat Thickness
- Marbling
- Tenderness

Coat Color

Multi-Sire Parentage

Options:

- BVD-PI
- Horned/Polled

IGENITY also offers the **Commercial Ranch Genetic Evaluation.** Using DNA to identify sires makes it possible to calculate within herd expected progeny differences in multi-sire pastures for your most economically relevant traits. Contact your IGENITY Specialist for details.

MERIAL

igenity®

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 values*

	Yield Grade	% Choice Based on Quality Grade	Ribeye Area in Inches	Hot Carcass Weight lbs.	Back Fat Thickness in Inches	Marbling Score	Tenderness in lbs. of WBSF
10	0.44	44.5	0.95	45.5	0.100	85.3	-2.27
9	0.39	38.9	0.85	39.8	0.085	76.6	-1.95
8	0.33	34.3	0.74	34.1	0.070	67.4	-1.85
7	0.28	29.6	0.68	28.7	0.060	57.9	-1.54
6	0.23	24.6	0.51	23.3	0.050	48.4	-1.22
5	0.19	19.9	0.41	21.8	0.040	39.0	-1.13
4	0.15	14.9	0.27	16.6	0.033	29.6	-0.79
3	0.11	10.3	0.21	11.4	0.025	20.1	-0.42
2	0.05	5.6	0.11	5.7	0.013	10.1	-0.21
1	0	0	0	0	0	0	0
P-value	2.96×10^{-12}	1.52×10^{-05}	7.25×10^{-05}	5.03×10^{-06}	7.05×10^{-13}	1.14×10^{-05}	1.9×10^{-08}

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 #	Tenderness	Red/Black Coat Color	Fat Thickness	Yield Grade	Ribeye Area	Carcass Weight	Quality Grade	Marbling	BVD-PI	Polled
701	M	-	nv011507_01	10	ED/ED	9	8	8	8	8	8	POS	Homozygous
702	F	-	nv011507_02	6	ED/ED	3	4	6	5	7	6	NEG	-
704	F	-	nv011507_04	10	ED/E	7	3	8	6	6	3	POS	-
705	F	-	nv011507_05	6	ED/D	3	4	6	5	5	6	NEG	-

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

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