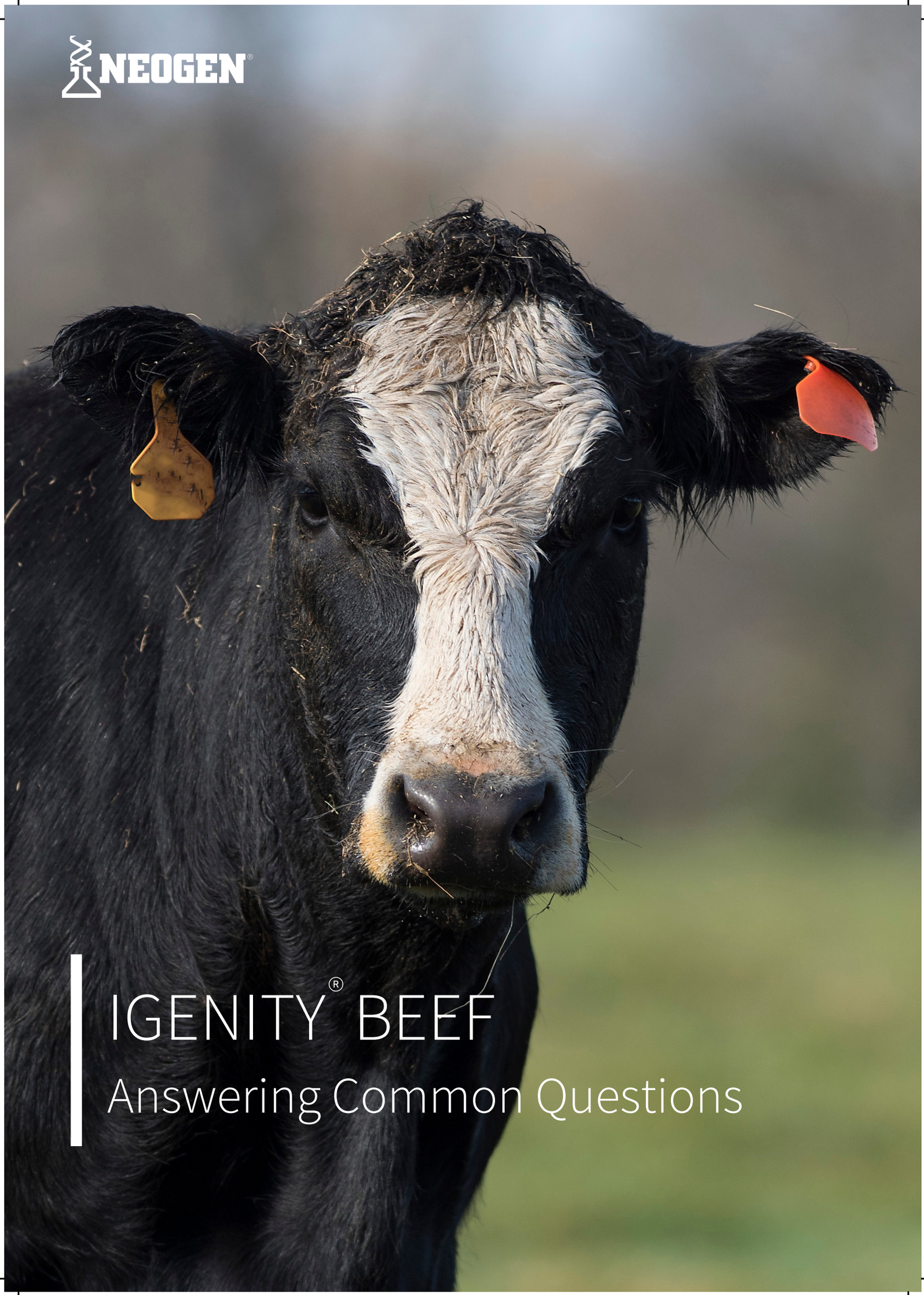


IGENITY® BEEF

Answering Common Questions

Igenity® | Beef

Igenity Beef v3

Neogen Australasia is thrilled to unveil the launch of our new and improved version of Igenity Beef V3. This updated version of Neogen's Igenity Beef will provide commercial producers greater precision and understanding of the genetic capabilities of commercial animals.

How does Igenity Beef v3 differ from v2?

1.New dashboard – Encompass

Igenity customers will gain new insight into their data with this innovative solution. To maximize the benefits of your Igenity Beef profiles, Neogen have collaborated with iYOTAH and their team of experts on data integration and management to build Encompass. Encompass will be hosted on iYOTAH's nTELL platform, allowing our customers to access additional services to further improve their decision-making capabilities.

Igenity Beef results will now be uploaded and reported into Encompass. Encompass will allow producers to easily filter and interpret data making selection decisions quicker and simpler. Results will continue to be reported on a scale from 1 to 10 for each trait with the convenience of utilising indexes. Plus, additional sorting tool features, sample progress tracking and a genetic progress tool.

2. Updated reported traits

With the addition of Scrotal Circumference, Igenity Beef now reports 17 key traits that are important to animal selection. Traits reported include:

Fertility	Production	Carcass
• Birth Weight • Calving Ease Direct • Calving Ease Maternal • Stayability • Heifer Pregnancy • Docility • Milk • Scrotal Circumference	• Residual Feed Intake • Average Daily Gain • Weaning Weight • Yearling Weight	• Tenderness • Marbling • Ribeye Area Fat • Fat Thickness • Hot Carcass Weight

3.Updated genetic effects table

Neogen has updated the genetic effects table with consideration of the update changes.

IGENITY BEEF GENETIC EFFECTS TABLE																	
	Fertility Traits								Production Traits				Carcass Traits				
Igenity Scores	BW	CED	CEM	DOC	HPR	MILK	STAY	SC	ADG	RFI	WW	YW	HCW	FAT	REA	TEND	MARB
	(kg)	(%)	(%)	(%)	(%)	(kg)	(%)	(cm)	(kg)	(kg)	(kg)	(kg)	(kg)	(mm)	(sq cm)	(kg WBSF)	(marb. Units)
10	4.1	17.8	16.1	16.8	12.3	19.4	53.6	1.59	0.12	0.31	23	39.5	46.5	6.45	10.9	-0.54	150
9	3.6	15.8	14.3	15	10.9	17.3	47.6	1.41	0.11	0.28	20.4	35.1	41.3	5.73	9.7	-0.45	133
8	3.2	13.9	12.5	13.1	9.5	15.1	41.7	1.23	0.09	0.24	17.9	30.7	36.2	5.01	8.5	-0.45	116
7	2.7	11.9	10.7	11.2	8.2	12.9	35.7	1.06	0.08	0.21	15.3	26.3	31	4.3	7.3	-0.36	100
6	2.3	9.9	9	9.4	6.8	10.8	29.8	0.88	0.07	0.17	12.8	21.9	25.8	3.58	6.1	-0.27	83
5	1.8	7.9	7.2	7.5	5.4	8.6	23.8	0.71	0.05	0.14	10.2	17.5	20.7	2.87	4.8	-0.27	67
4	1.4	5.9	5.4	5.6	4.1	6.5	17.9	0.53	0.04	0.1	7.7	13.2	15.5	2.15	3.6	-0.18	50
3	0.9	4	3.6	3.7	2.7	4.3	11.9	0.35	0.03	0.07	5.1	8.8	10.3	1.43	2.4	-0.09	33
2	0.5	2	1.8	1.9	1.4	2.2	6	0.18	0.01	0.03	2.6	4.4	5.2	0.72	1.2	-0.05	17
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Igenity® | Beef

FAQ about Igenity Beef v3

1.What will happen to my previous data from Igenity Beef v2?

Any Igenity Beef v2 samples tested from January 2022 onwards will be re-processed through the Igenity Beef v3 pipeline and uploaded to the Encompass dashboard. Customers will be notified to create an Encompass login to access animal results and data. Igenity Beef v2 results will continue to be available in the Igenity Beef Dashboard.

2.Will I still have access to my results and data from before January 2022?

Yes, customers will still be able to access their historic data via the Igenity Beef Dashboard. If customers would like data/results from samples tested prior to January 2022 updated they can request results to be updated to v3 and transferred into Encompass.

3.Will my login details change?

When results are transferred into Encompass, customers will be required to create a new Encompass account and login. Customers will receive an e-mail invite by iYotah to do so.

4.Does the updated genetic effects figure change my previous results?

The previous genetic effects v2 table is relevant to previous Igenity Beef v2 predictions. With Igenity Beef v3 updates to trait predictions and score thresholds, a new genetic effect able for v3 table has been generated. Breeders can expect to see changes in scores between v2 and v3 results for individual animals, but rankings of animals should not change significantly. Results from animals run on v2 are not comparable with animals run on v3, unless the animals run on v2 are reprocessed on the v3 pipeline.

5.Change of animal Igenity scores

Animals may see a slight change in Igenity scores when they are moved from Igenity Dashboard to Encompass. This is due to the genotypes being run through the new Igenity Beef V3 pipeline (updated trait predictions and scores based on an updated reference population). Results from animals tested on v2 are not comparable with animals test on the v3 platform.

6.What if I have breeds outside the reference population?

Breeds not represented in the Igenity Beef reference population are welcome to test on Igenity. However, because they are not represented in the reference, we cannot be sure the results will be an accurate prediction of their genetic potential. Crossbreds with any of the 6 breeds included in the reference (e.g. Angus x Shorthorn) are more suited for Igenity Beef testing.

7.Why the change from Igenity Dashboard to Encompass?

The original Igenity Dashboard is several years old and is at the limit of its ability to make modifications with growing customer needs. With the upgrade to a new platform that will offer more functionality and the ability to expand capabilities into the future.

Encompass is built and designed to be a data management platform and has the ability to updated with new features and tools. Whilst maintaining many of the functions of the Igenity Dashboard, Encompass includes new tools and features including the work bench for sorting animals and measuring genetic progress. Encompass gives producers more power to manage their data more closely and make more informed selection. Encompass is built on the latest data management platform and is designed to grow, allow new upgrades and features to be added.

Igenity® | Beef

Encompass: The Data Management Tool to Navigate Your Operations Genetic Success

Neogen has brought the most innovative solution for genomic data management to your operation. By partnering with iYOTAH, the builders of the nTELL platform, you can unlock more management opportunities through this simple, and easy to use dashboard.Neogen's Encompass is powered by the software of nTELL that creates opportunity for your operation to focus on what really matters.

- Centralize your important data
- Increase the quality of decisions
- Connect with your industry partners

Encompass gives your herd's genomic information the accessibility and customization that will increase your business success, generation after generation.

Why Encompass?

Encompass was designed with one goal in mind: turning data into decisions with undue hassle. You will experience your information in a well-organized, easy to use format. Create your own views and indexes to focus on genomic data that meets your specific needs. Manage your decisions and monitor your success with your trusted advisors.

What is the Encompass Platform?

The Encompass platform is a revolutionary genomic data management platform that allows you to sort and utilize your herds data and new tools.

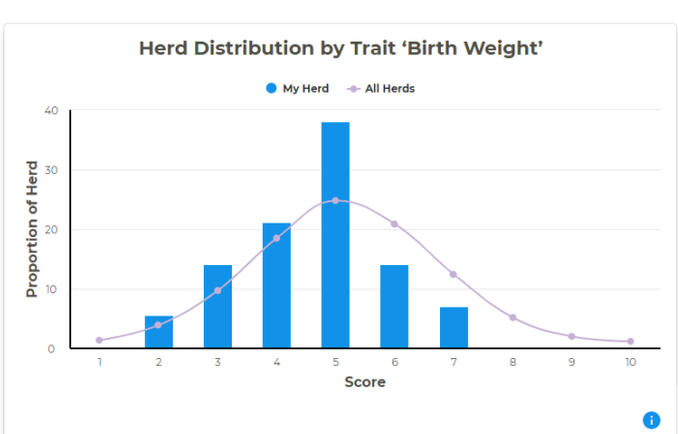
- User-friendly
- Customizable
- Action-oriented programming
- Data sharing capabilities
- Compatible with other herd management software

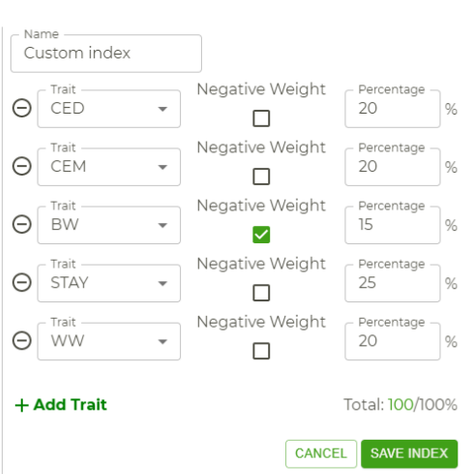
The Tools of the Platform

Encompass Sorting — Easily categorize your animals by their true potential. Decide which heifers to keep, cull, or strategically breed to maximize genetic gain.

Encompass Progress — Monitor your genetic progress for key indexes and traits so you stay on track.

Encompass Distribution — Understand the genetic variation in your herd to make the wisest decisions possible.





Neogen Australasia | 14 Hume Drive Bundamba QLD 4304 | 07 3736 2134 | naa-lab@neogen.com