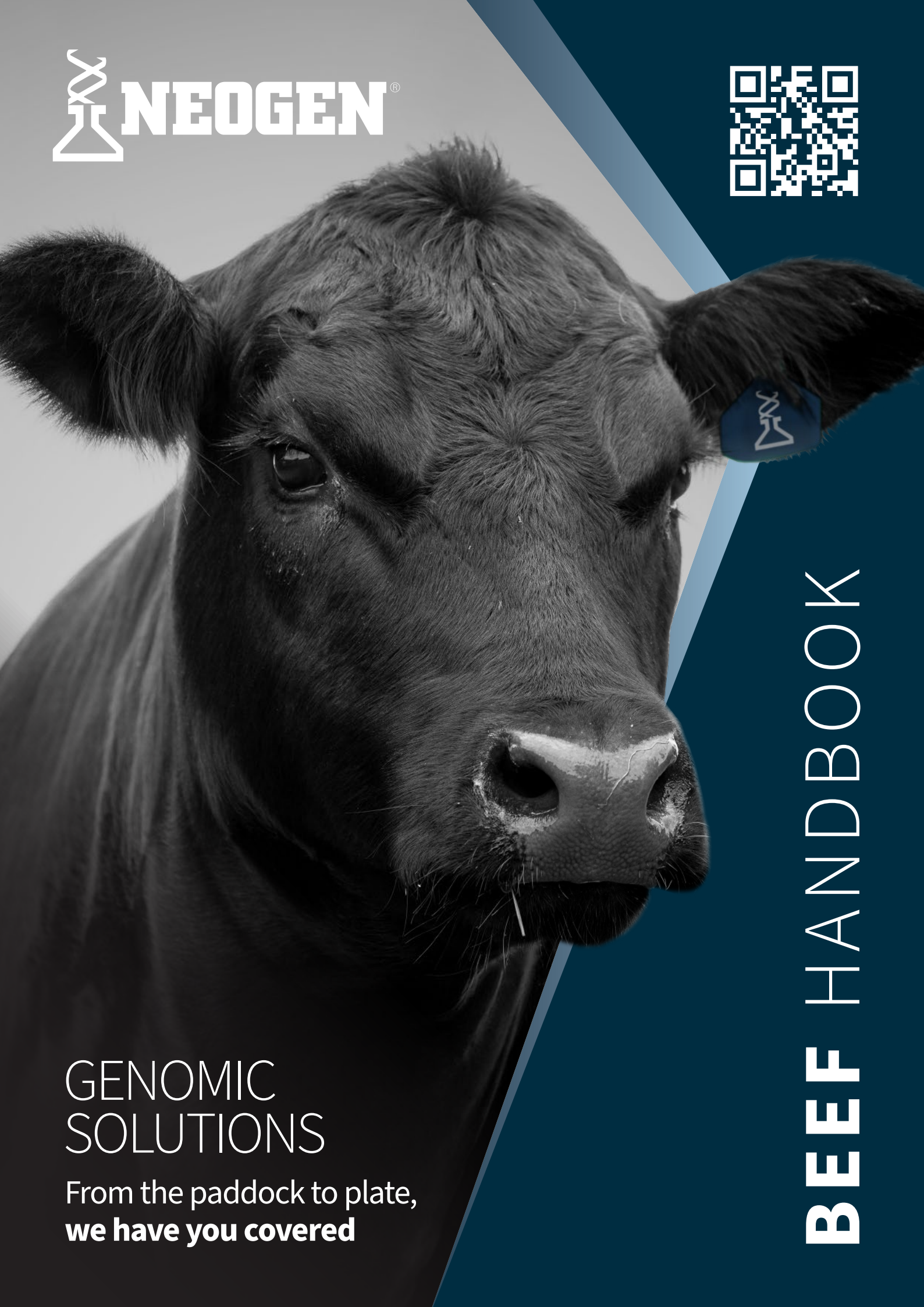
NEOGEN®



BEEF HANDBOOK

GENOMIC SOLUTIONS

From the paddock to plate,
we have you covered

CONTENTS

The market leader in the provision of premium genomic solutions to the Australian and New Zealand livestock industry

Neogen, based in Queensland, Australia is a subsidiary of the Neogen Corporation, and is focussed on advancing human and animal wellbeing through science and technology to fuel a brighter future for global food security.

Neogen prides itself on being the market leader in the provision of premium genomic solutions for the Australian and New Zealand livestock industry.

Neogen is Australia and New Zealand's largest livestock genomics testing facility, with our modern, state-of-the-art laboratory in Bundamba specialising in the provision of DNA tests for a wide variety of livestock including beef cattle, dairy cattle, sheep, goats, pigs, as well as companion animal species such as cats and dogs.

Neogen offers a premium portfolio of genomic solutions, providing a product range that not only offers value for money, but is tailored to the needs of the local livestock industry in Australia and New Zealand, while leveraging the power of the global Neogen Corporation.

Neogen's genomic solution portfolio is supported by our experienced sales, technical support and customer service teams who are on hand to offer guidance and support every step of the way.

So why should you test with Neogen?

Because ‘There *is* a Difference’

1. Australia Based Genotyping Laboratory

Why send your samples offshore for testing when you can utilise a world-class genomic laboratory based right here in Australia?

Neogen’s new, $11 million, state-of-the-art genomics laboratory is located at Ipswich, west of Brisbane in Queensland, and is the largest livestock genomics laboratory in the southern hemisphere.

2. Complete & Cost-Effective Product Range

Neogen offers a comprehensive range of premium genomic solutions, ensuring beef breeders can find a genomic testing option that suits their individual needs.

Rather than rely on generic genotyping platforms, Neogen’s genomic test offering includes the genomic profiling of animals with Neogen’s premium, proprietary genotyping platforms, including GGP Bovine 100K, GGP TropBeef 50K and Angus GS.

Neogen’s proprietary genotyping platforms have been designed and developed to explain maximum genetic variation in different beef populations, delivering highly informative markers for genomic prediction, parentage analysis, and the management of important genetic traits and conditions.

Neogen also retails sample collection equipment, such as Allflex TSUs and TSU applicators, offering customers a ‘one-stop-shop’ for all their genomic testing needs.

3. Unparalleled Testing Turnaround Times

Neogen understands that time is money and prides itself on offering the fastest testing turnaround times of any livestock genomics laboratory.

By leveraging the operational strength, size and efficiency of our state-of-the-art genotyping laboratory in Ipswich, Queensland, coupled with utilisation of the latest high-end genomic analysis tools and robotic processing, the vast majority of genomic testing is completed within 3-4 weeks of when samples arrive at the lab.

4. Nationwide Network of Territory Managers

Neogen's genomic solution portfolio is supported by our experienced sales, technical support and customer service teams who are on hand to offer guidance and support every step of the way.

Our national team of genomic territory managers are located geographically across Australia, and are available to provide Neogen customers with day-to-day assistance, either on- farm or remotely, in the design and execution of their genomic testing program.

5. Long Term Partner of the Australian Beef Industry

Neogen is proud to be the largest and longest term provider of genotyping services to the Australian beef industry.

Neogen continues to be the industry's genotyping laboratory of choice for research and commercial genotyping services, with many thousands of progeny in industry programs such as the Beef Information Nucleus, Southern Multibreed Project, and the Angus Sire Benchmarking Program being genotyped through the Neogen laboratory.

BEEF GENOMICS

Uncover your herd's potential

Genomics, or DNA testing, has revolutionised livestock breeding and is now routinely used by livestock breeders around the world.

Genomics has a wide and varied range of uses within modern beef breeding programs, from confirming parentage information, to the management of recessive genetic traits and conditions, through to better and more accurate breeding decisions in seedstock and commercial beef enterprises.

Genomic information can enhance animal selection and accelerate genetic improvement in your herd across traits from fertility to production and performance.

The advantage of genomic testing is that you can access vital measures of an animal's potential shortly after birth – from productive traits to potential genetic defects – allowing selection decisions and planning to occur well in advance.

Use genomics to:

- Assign parentage and/or reduce parentage errors
- Make faster rates of genetic gain in a breeding program
- Make more accurate selection decisions
- Make selection decisions earlier in an animal's life, and with more confidence
- Make selection decisions for traits that can't be routinely measured on-farm
- Fast track introgression of favourable qualitative traits into a herd. e.g. polledness
- Streamline the management of recessive genetic conditions

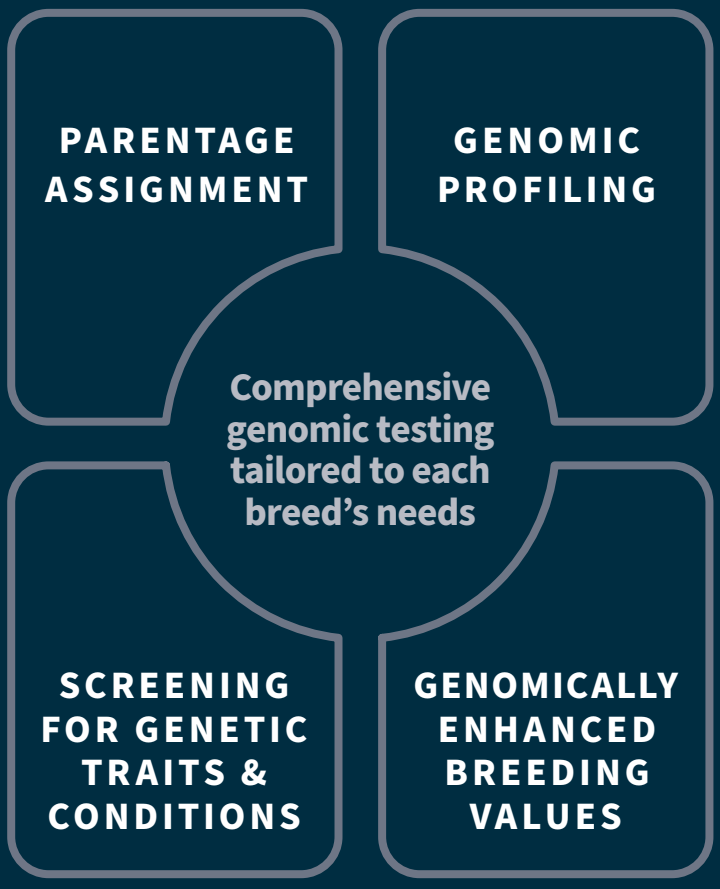
NEOGEN®

GENOMIC SOLUTIONS FOR SEEDSTOCK CATTLE

Neogen offers comprehensive and cost-effective genomic solutions tailored specifically for seedstock cattle of each breed.

Our range of genomic test bundles includes genomic profiling, parentage assignment, screening for genetic conditions and traits of relevance in each breed, and where relevant, incorporation of genomic profiles into industry genetic evaluations for the calculation of genomically enhanced breeding values.

Neogen's genomic test bundles simplify decisions about what genomic tests to order, and include all relevant genomic tests for each breed of cattle.



Contact Neogen today to find out more about the genomic test bundle that is available for your breed.

GENOMIC PROFILING WITH A DIFFERENCE

Neogen's genomic test bundles include the genomic profiling of animals with one of Neogen's premium, proprietary genotyping platforms.

Rather than utilising generic genotyping platforms, Neogen's proprietary genotyping platforms have been designed and developed to explain maximum genetic variation in each different beef population, delivering value for money from your investment in genomic testing.

GGP Bovine 100K

The GeneSeek Genomic Profiler (GGP) Bovine 100K genotyping platform contains approximately 100,000 markers, known as single nucleotide polymorphisms (or SNPs), and is designed specifically for *Bos taurus* and *Bos taurus* influenced cattle.

The GGP Bovine 100K lassos the knowledge of industry leading scientists, combined with Neogen's leading SNP selection processes, to precisely choose the most informative 100,000 SNPs for *Bos taurus* cattle.

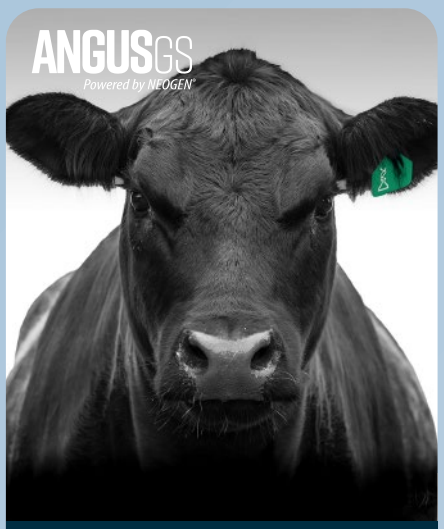
The GGP Bovine 100K delivers more accurate evaluation of genetic merit, genome wide selection, comparative genetic studies, and higher density imputation.

GGP TropBeef 50K

The GGP TropBeef 50K was developed in partnership with researchers in the USA, Brazil and Australia, and is suitable for a wide range of tropical breeds including Brahman, Droughtmaster, Santa Gertrudis, and Tropical Composites.

This highly optimised 50K SNP panel is comprised of approximately 50,000 single nucleotide polymorphisms (or SNPs) that have been optimally selected for *Bos indicus* and *Bos indicus* influenced cattle

The GGP TropBeef 50K delivers highly informative markers in tropical cattle for genomic prediction, parentage analysis, and the management of important genetic traits and conditions.



Angus GS

Angus GS contains 72,000 markers, known as single nucleotide polymorphisms (or SNPs), and is the largest breed specific product on the market.

Angus GS was built 'for Angus, by Angus', meaning it was designed specifically in partnership with Angus Genetics Inc, and is available exclusively to members of Angus Australia and Angus New Zealand.

Angus GS is saturated with markers that are informative in Angus cattle, and is the genotyping platform of choice for inclusion in the TransTasman Angus Cattle Evaluation.

Angus GS contains highly informative markers for parentage verification, and is also compatible with 'add-on' testing for recessive genetic conditions and relevant qualitative traits.

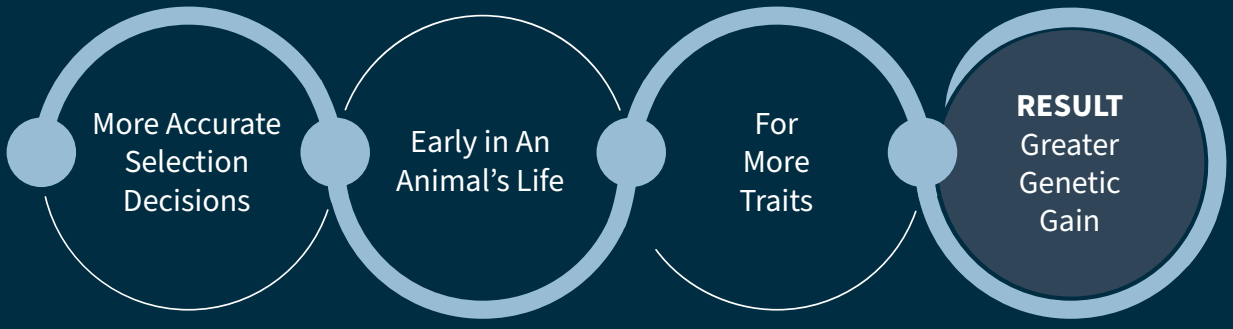
MAKE SELECTION DECISIONS EARLIER AND WITH MORE CONFIDENCE

Neogen's genomic test bundles are ideal for incorporation into industry genetic evaluations for the calculation of genomically enhanced breeding values.

Genomically enhanced breeding values facilitate:

- More accurate selection decisions – Obtain higher accuracy breeding values through the incorporation of genomic information.
- Selection decisions early in an animal's life – Make accurate selection decisions on young animals with more confidence.
- Selection for more traits – Incorporate hard-to-measure traits that can't be routinely measured on-farm, or measured prior to an animal entering the breeding herd, into selection decisions.

Making more accurate selection decisions, at an earlier age, and for a greater range of traits, results in faster genetic improvement, and ultimately improved productivity and profitability within a beef enterprise.



BREEDS WITH GENOMICALLY ENHANCED BREEDING VALUES

Neogen's genomic test bundles are incorporated into the calculation of breeding values within the industry genetic evaluations for the following breeds:

Angus
Brahman
Brangus
Charolais
Droughtmaster
Gelbvieh
Hereford
Limousin
Santa Gertrudis
Shorthorn
Simmental
Speckle Park
Wagyu

TRAITS EVALUATED

Neogen's genomic test bundles are incorporated into the calculation of breeding values for a range of economically important traits.

TRANSTASMAN ANGUS CATTLE EVALUATION

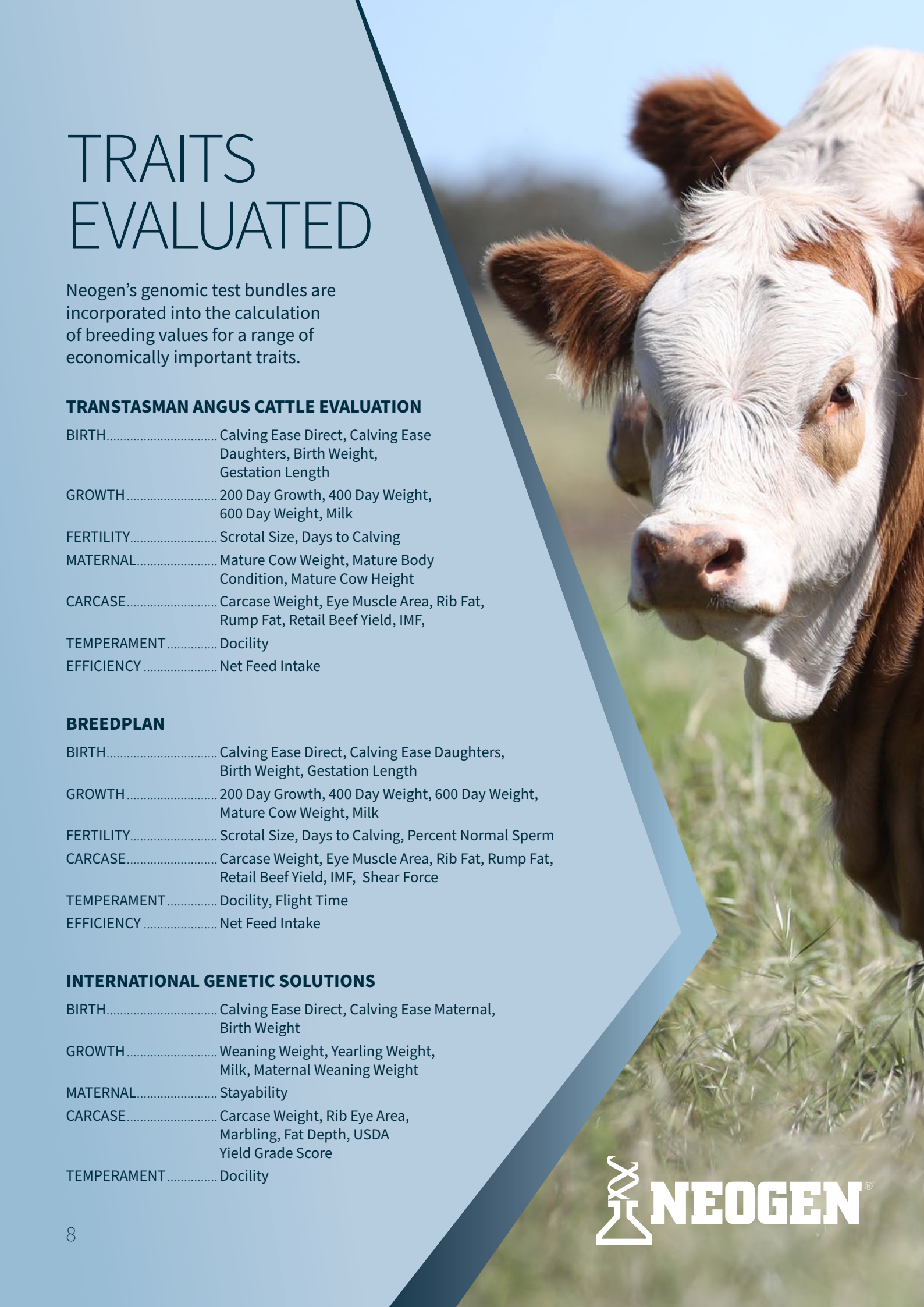
BIRTH	Calving Ease Direct, Calving Ease Daughters, Birth Weight, Gestation Length
GROWTH	200 Day Growth, 400 Day Weight, 600 Day Weight, Milk
FERTILITY	Scrotal Size, Days to Calving
MATERNAL	Mature Cow Weight, Mature Body Condition, Mature Cow Height
CARCASE	Carcase Weight, Eye Muscle Area, Rib Fat, Rump Fat, Retail Beef Yield, IMF,
TEMPERAMENT	Docility
EFFICIENCY	Net Feed Intake

BREEDPLAN

BIRTH	Calving Ease Direct, Calving Ease Daughters, Birth Weight, Gestation Length
GROWTH	200 Day Growth, 400 Day Weight, 600 Day Weight, Mature Cow Weight, Milk
FERTILITY	Scrotal Size, Days to Calving, Percent Normal Sperm
CARCASE	Carcase Weight, Eye Muscle Area, Rib Fat, Rump Fat, Retail Beef Yield, IMF, Shear Force
TEMPERAMENT	Docility, Flight Time
EFFICIENCY	Net Feed Intake

INTERNATIONAL GENETIC SOLUTIONS

BIRTH	Calving Ease Direct, Calving Ease Maternal, Birth Weight
GROWTH	Weaning Weight, Yearling Weight, Milk, Maternal Weaning Weight
MATERNAL	Stayability
CARCASE	Carcase Weight, Rib Eye Area, Marbling, Fat Depth, USDA Yield Grade Score
TEMPERAMENT	Docility



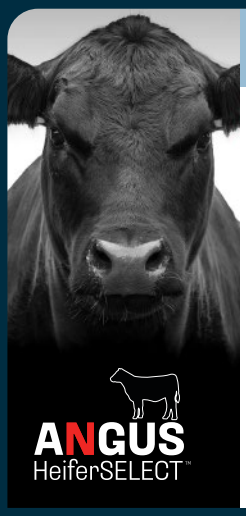
GENOMIC SOLUTIONS FOR COMMERCIAL CATTLE

Neogen's range of genomic selection tools have been a game changer for commercial beef producers.

The genomic tools describe the genetic merit of beef animals for economically relevant traits, assisting commercial beef producers to select animals for use in their breeding program with genetics that are most aligned with their breeding objective, while eliminating low genetic merit animals from commercial beef production systems.

The tools allow for the ranking of cattle based on traits that impact productivity, helping producers select animals more accurately based on their genetic merit. This improves the overall profitability, production and sustainability of their beef operation.

Additionally, the genomic selection tools provide beef producers with an efficient solution for managing and marketing cattle with more confidence. Producers can evaluate fertility, performance and carcass traits in one step, and focus resources on young stock of verified merit. This allows you to breed cattle tailored to your specific production and business goals, leading to a stronger herd overall.

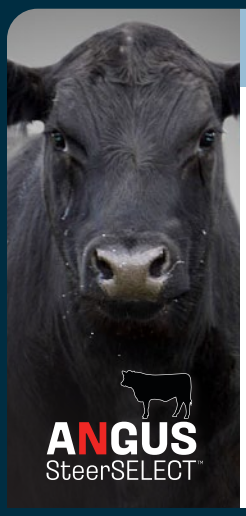


Angus HeiferSELECT

Developed in Australia, by Australians, for use in Australian Angus cattle.

Suitable for straightbred Angus heifers (87.5% Angus content or greater).

Delivered in collaboration with Angus Australia.

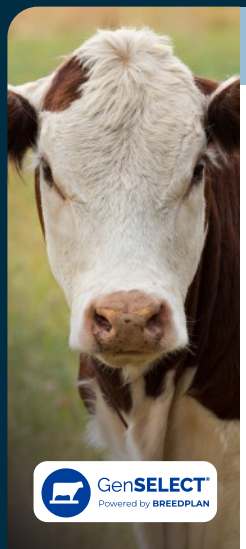


Angus SteerSELECT

Developed in Australia, by Australians, for use in Australian Angus cattle.

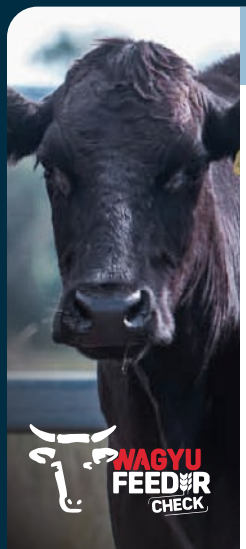
Suitable for straightbred Angus steers (87.5% Angus content or greater).

Delivered in collaboration with Angus Australia.



GenSELECT

GenSELECT offers three tests in the GenSELECT range – Heifer, Steer & Profile giving commercial cattle producers a range of tailored solutions to help make more informed breeding decisions.



Wagyu Feeder Check

Developed in Australia, by Australians, for use in Wagyu content beef cattle.

Suitable for Wagyu content cattle that are Wagyu x high content *Bos taurus* genetics.

Delivered in collaboration with the Australian Wagyu Association.

ANGUS HEIFERSELECT ™

HeiferSELECT™ is designed to help you:

- Identify replacement females with superior genetic merit
- Remove lower-performing animals earlier in the selection process
- Compare females more accurately across key traits
- Align female selection with your sire selection strategy

What traits are included in AngusHeiferSELECT™?

COW-CALF	Birth Weight	Mature Cow Weight
	Weaning Weight	Mature Body Condition Score
	Yearling Weight	Mature Cow Height
	Maternal Value	
CARCASE	Carcase Weight	
	Eye Muscle Area	
	Rib Fat	
	MSA Marbling Score	
TEMPERAMENT	Temperament score	

Understanding Angus HeiferSELECT Genomic Predictions

Angus HeiferSELECT genomic predictions rank animals relative to the current reference population (Angus and Angus-influenced animals born between 2019 and 2023). The age of this reference population will continue to be updated annually.

Genomic predictions are reported on a 1-100 percentile scale, where:

- 1 represents the top 1% of the population
- 100 represents the bottom of the population

This means that lower percentile values (closer to 1) indicate animals ranked higher for that trait and are generally considered more favourable.

However, it is important to note that while for most genomic predictions it is generally considered more desirable to have lower percentile values (higher ranking animals), this is not always the case. The optimum genomic prediction will depend on your individual breeding objectives and the direction in which you are aiming to move your herd.

ANGUS STEERSELECT ™

SteerSELECT™ is designed to help you identify steers with superior genetic merit for growth, carcase performance, and eating quality traits, assist in feedlot and commercial slaughter decision-making, compare animals more accurately across key performance traits and align steer selection with your broader breeding and production objectives.

Angus SteerSELECT genomic predictions rank animals relative to the current reference population (Angus and Angus-influenced animals born between 2019 and 2023). The age of this reference population will continue to be updated annually.

Genomic predictions are reported on a 1-100 percentile scale, where:

- 1 represents the top 1% of the population
- 100 represents the bottom of the population

This means that lower percentile values (closer to 1) indicate animals ranked higher for that trait and are generally considered more favourable.

However, it is important to note that while for most genomic predictions it is generally considered more desirable to have lower percentile values (higher ranking animals), this is not always the case. The optimum genomic prediction will depend on your individual breeding objectives and the direction in which you are aiming to move your herd.

What traits are included in AngusSteerSELECT™?

COW-CALF	Yearling Weight
CARCASE	Carcase Weight Eye Muscle Area Rib Fat MSA Marbling Score
TEMPERAMENT	Temperament score

WAGYU FEEDER CHECK

Wagyu Feeder Check is a genomic tool developed alongside CSIRO in partnership with the Australian Wagyu Association (AWA), aimed at improving the resilience and sustainability of Australia's Wagyu beef export sector.

Wagyu Feeder Check is a genomic (DNA) test designed for Wagyu content beef cattle to determine the genetic merit of animals for commercially relevant feedlot and carcase performance traits. The test provides users with a decision-support tool to market and/or allocate Wagyu feeder cattle to suitable feeding programs, for example, Wagyu Feeder Check can determine low genetic merit animals and help eliminate these from long-fed feedlot finishing programs. By aligning cattle with their most appropriate production pathway, this genomic test helps optimise resource use efficiency, increase drought adaptability, and improve consistency and profitability in the high-value Australian Wagyu Beef export sector.

Wagyu Feeder Check reports genetic merit for five traits:

- Feedlot Average Daily Gain
- Subcutaneous Fat Depth
- Carcase Weight
- Eye Muscle Area
- Marble Score

Additionally, a Wagyu Feeder Index is reported, predicting the overall commercial value ranking of each individual animal in a typical Wagyu long fed feedlot finishing program, based on the respective animal's genetic merit across all five individual traits.

Sire verification will also be provided for any progeny of sires that have genomic profiles recorded with the Australian Wagyu Association.

GENSELECT

GenSELECT is a suite of genomic tools designed specifically for commercial Hereford producers in Australia and New Zealand.

Powered by BREEDPLAN, GenSELECT has been developed by ABRI in conjunction with Herefords Australia and Neogen.

GenSELECT offers three tests in the range - Profile, Heifer and Steer - offering commercial Hereford producers a range of tailored solutions to inform breeding decisions, improve genetic gain, and lead to overall increases in productivity, sustainability & profitability.

GenSELECT Profile is a genomic tool that provides a snapshot of a female herds a genetic traits & performance potential. Samples are taken from 30 females (at random) to create a set of Genomic Breeding Values (GBVs) for 11 traits and 1 index. GBV results are comparable to BREEDPLAN EBVS, allowing precise bull selection to enhance future production, maximise profitability and fast track genetic gain

GenSELECT Heifer is a genomic selection tool to help inform the selection of commercial heifers. Results are provided for each individual as percentile figures for 11 traits and 1 index.

GenSELECT Steer is a genomic selection tool to help inform the production merit of commercial steers. Results are for each individual animal tested and provided as percentile figures for 6 commercially relevant traits.

GENETIC TRAITS AND CONDITIONS

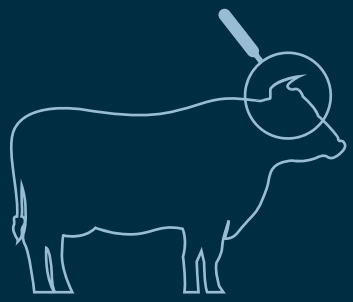
Neogen offers a range of tests to assist with the management of important qualitative traits and genetic conditions in both seedstock and commercial beef operations.

Depending on the trait or condition of interest, testing can be ordered as either a standalone test, or in association with one of Neogen's breed specific genomic test bundles.

Genetic Conditions

Genetic condition testing is offered for all of the major beef breeds. Some of the most common tests are:

BREED	GENETIC CONDITIONS
ANGUS	Alpha Mannosidosis (MAN), Arthrogryposis Multiplex (AM), Contractural Arachnodactyly (CA), Developmental Duplication (DD), Dwarfism (DW), Myostatin (NT821), Neuropathic Hydrocephalus (NH), Oculocutaneous Hypopigmentation (OH), Osteopetrosis (OS)
BRAHMAN	Congenital Myasthenic Syndrome (CMS), Myostatin, Pompes E7
CHAROLAIS	Bovine Progressive Ataxia (BPA), Myophosphorylase Deficiency (MYO)
DROUGHTMASTER	Myostatin, Pompes E7
HEREFORD	Dilutor (DL), Hypotrichosis (HY), Idiopathic Epilepsy (IE), Delayed Blindness (CLN) Maple Syrup Urine Disease (MSUD), Mandibulofacial Dysostosis (MD)
LIMOUSIN	Myostatin, Protoporphyria (PROTO)
MURRAY GREY	Alpha Mannosidosis (MAN), Arthrogryposis Multiplex (AM), Contractural Arachnodactyly (CA), Developmental Duplication (DD), Myostatin (NT821), Neuropathic Hydrocephalus (NH)
RED ANGUS	Alpha Mannosidosis (MAN), Arthrogryposis Multiplex (AM), Contractural Arachnodactyly (CA), Developmental Duplication (DD), Myostatin (NT821), Neuropathic Hydrocephalus (NH), Osteopetrosis (OS)
SANTA GERTRUDIS	Myostatin
SHORTHORN	Digital Sublaxation (DS), Myostatin, Pulmonary Hypoplasia with Anasarca (PHA), Tibial Hemimelia (TH)
SIMMENTAL	Arthrogryposis Multiplex (AM), Contractural Arachnodactyly (CA), Developmental Duplication (DD), Dilutor (DL), Myostatin (NT821), Neuropathic Hydrocephalus (NH)
SPECKLE PARK	Myostatin
WAGYU	Annexin A10' (ANXN10), Chediak Higashi Syndrome (CHS), Claudin 16 Deficiency (CL16), Factor XI deficiency (F11), Isoleucyl-tRNA Synthetase Disorder (IARS), Spherocystosis (B3), Stearoyl CoA Desaturase (SCD),



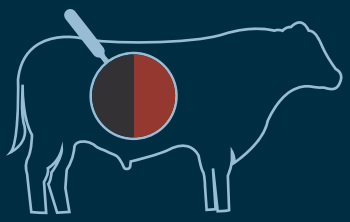
Bovine Horn-Poll

The Bovine Horn-Poll test is designed for beef breeders who are looking to increase the proportion of polled animals in their breeding herd.

The Bovine Horn-Poll test involves testing animals that are phenotypically polled, and identifying those that are predicted to be homozygous polled animals (i.e. will only pass polled genes onto their progeny), versus those that are carriers for the horned gene (i.e. will pass horned genes to 50% of their progeny).

Selection of homozygous polled animals, versus simply selecting phenotypically polled animals, increases the proportion of polled progeny from a particular mating, which in turn increases the speed of transition from a horned to polled herd.

The Horn-Poll test is available for all beef breeds.

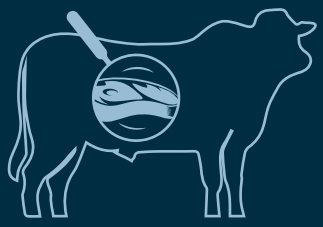


Coat Colour (Black/Red)

The Coat Colour (Black/Red) test enables breeders to determine whether a phenotypically black animal is homozygous black (i.e. does not carry genes for red coat colour) versus those that are carrying genes for red coat colour.

Black coat animals that carry genes for red coat colour have the potential to produce a proportion of phenotypically red offspring if joined to other animals who also carry genes for red coat colour.

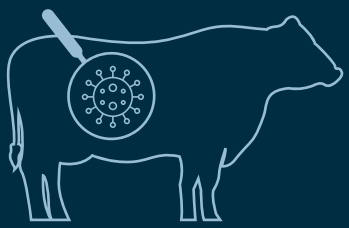
The Coat Colour (Black/Red) test is available for all beef breeds.



Tenderness

Tenderness testing evaluates the marker status at three major locations (Calpain316, Calpain4751, and Calpastatin) in the bovine genome known to have an impact on meat tenderness.

To assist in the interpretation of the results, the three markers are combined into an overall Tenderness Score, rated on a scale of 1 (Tough) to 10 (Tender).



Bovine Viral Diarrhea Virus (BVDV)

Bovine Viral Diarrhea Virus (BVDV), also referred to as pestivirus, is a costly disease in Australian cattle herds that can reduce herd reproductive rates through infertility or abortion, whilst reducing the immunity of animals to a range of other diseases such as bovine respiratory disease (BRD).

Testing to identify animals persistently infected (PI) with BVDV can be conducted as an optional add-on when ordering other genomic tests. BVDV testing can be conducted from the same DNA sample (i.e. an additional DNA sample is not required).

CATTLE PARENTAGE

SeekSire Cattle Parentage utilises a SNP (Single Nucleotide Polymorphism) panel consisting of approximately 500 SNPs to determine the parentage of calves – that is linking a calf to its dam and/or sire – from a list of potential sires and dams that are provided as being possible parents.

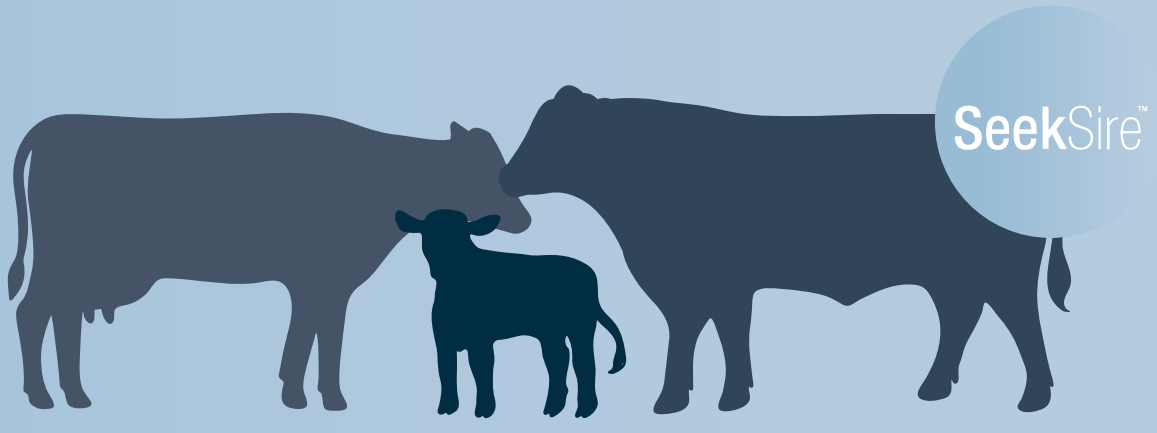
SeekSire Cattle Parentage is available for all cattle breeds and is suitable for both commercial and seedstock operations. SeekSire Cattle Parentage can be ordered as either a standalone test, or in association with one of Neogen's breed specific genomic test bundles.

SeekSire Cattle Parentage takes the guesswork out of assigning parentage, increases the accuracy of pedigree information, and saves valuable time traditionally spent tagging calves at birth, or mothering up at marking.

SeekSire Cattle Parentage is particularly useful for:

- Assigning pedigree when parentage can not be determined via other methods;
- Reducing the pedigree errors associated with traditional parentage assignment practices;
- Identifying which calves from multi-sire groups belong to specific bulls;
- Confirming the parentage of accelerated reproductive programs (i.e. embryo transfer and AI calves);
- Finding sires that are more/less dominant, or with the most or least calves;
- Identifying sires causing calving difficulties, or genetic abnormalities;
- Seeing which bulls are siring the best heifers;
- Removing any parentage errors associated with mismothering;
- Increasing the accuracy of breeding values.

SeekSire Cattle Parentage requires a genomic profile for both the animal and its parents, so a parentage result can only be provided for animals if their parents have also been tested with SeekSire Cattle Parentage, or have another suitable genomic profile available.



DNA SAMPLING

Genomic testing of beef is most commonly conducted using Allflex Tissue Sampling Units, or TSUs.

Tissue Sample Unit (TSU)

TSUs are a fast, simple method of collecting DNA.

These units use an ear punch to take a small tissue sample, placing it directly into a sealed vial for processing. This replaces the more complex tasks of collecting hair, blood, semen or other sample types used for DNA testing.

A single-squeeze motion collects a sample in seconds with minimum need for restraint or distress to the animal.

The genetic material is sealed in a specially designed vial to prevent contamination. Tissue samples contain a large quantity of high-quality DNA for genetic analysis, yielding excellent lab results, maximising sample integrity and ensuring you have confidence in the results you receive for each animal.

The TSU is fully sealed and positively identified with both a 2D barcode and ID panel.

TSUs can be purchased from Neogen.

Other sample types

Semen straws or tail hair cards can also be submitted for genotyping, however these sample types attract a surcharge due to the additional steps required to process them within the DNA laboratory, and are not the preferred sample type in most circumstances.

THE GENOMIC TESTING PROCESS

Get Organised

- Contact the relevant Neogen Territory Manager to identify the genomic testing that best fits the needs of your breeding program.
- Purchase your TSU applicator and TSUs from Neogen

Collect DNA Samples

- Collect DNA samples from your animals

Submit Your DNA Order

- Complete and submit an order submission form.
- If ordering via a breed association, check with your breed association, or Neogen Territory Manager on the process for submiting your order.
- If ordering directly from Neogen, email a completed submission form to naa-lab@neogen.com

Submit Samples

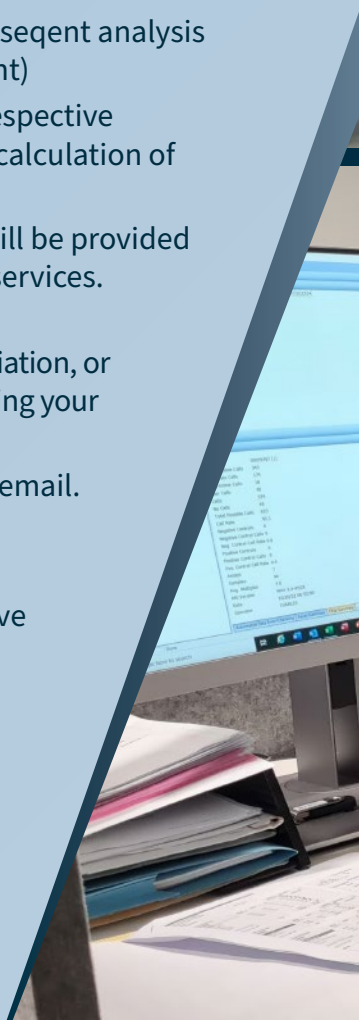
- Submit your DNA samples.
- If ordering via a breed association, check with your breed association, or Neogen Territory Manager on the process for submitting your samples.
- If ordering directly from Neogen, mail you samples, along with the completed submission form to Neogen, 14 Hume St, Bundamba, QLD 4304

Genotyping & Analysis

- Genotyping of your samples will be undertaken, and any subseqent analysis of the genomic profiles conducted (E.g. parentage assignment)
- Where applicable, genomic profiles will be provided to the respective breed association and/or genetic evauation provider for the calculation of genomically enhanced breeding values (E.g. BREEDPLAN)
- Where applicable, parentage and genetic condition results will be provided to the respective breed association for use in breed registry services.

Access results

- If ordering via a breed association, check with your breed association, or Neogen Australasia Territory Manager on the process for accessing your results.
- If ordering directly from Neogen, results will be provided via email.
- Parentage and genetic condition testing results are usually available within 3-4 weeks.
- Genomically enhanced EBVs will be provided by the respective genetic evaluation provider. Subject to analysis schedules, updated EBVs are usually available within 6-8 weeks.

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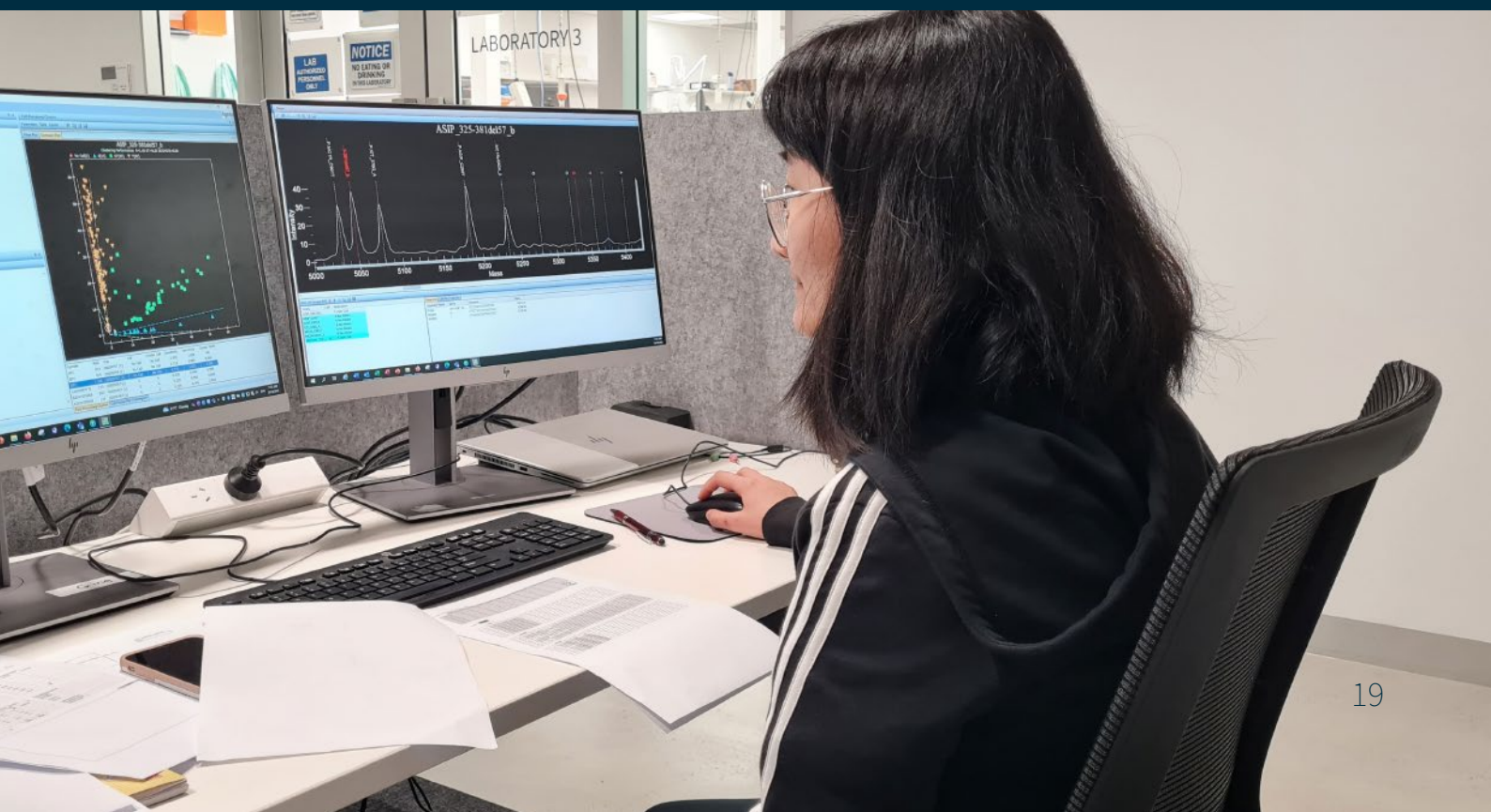
LABORATORY 3
NOTICE
NO EATING OR DRINKING
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Questions?

To find out how we can help your business grow,
contact your local Neogen territory manager today

NEOGEN®

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