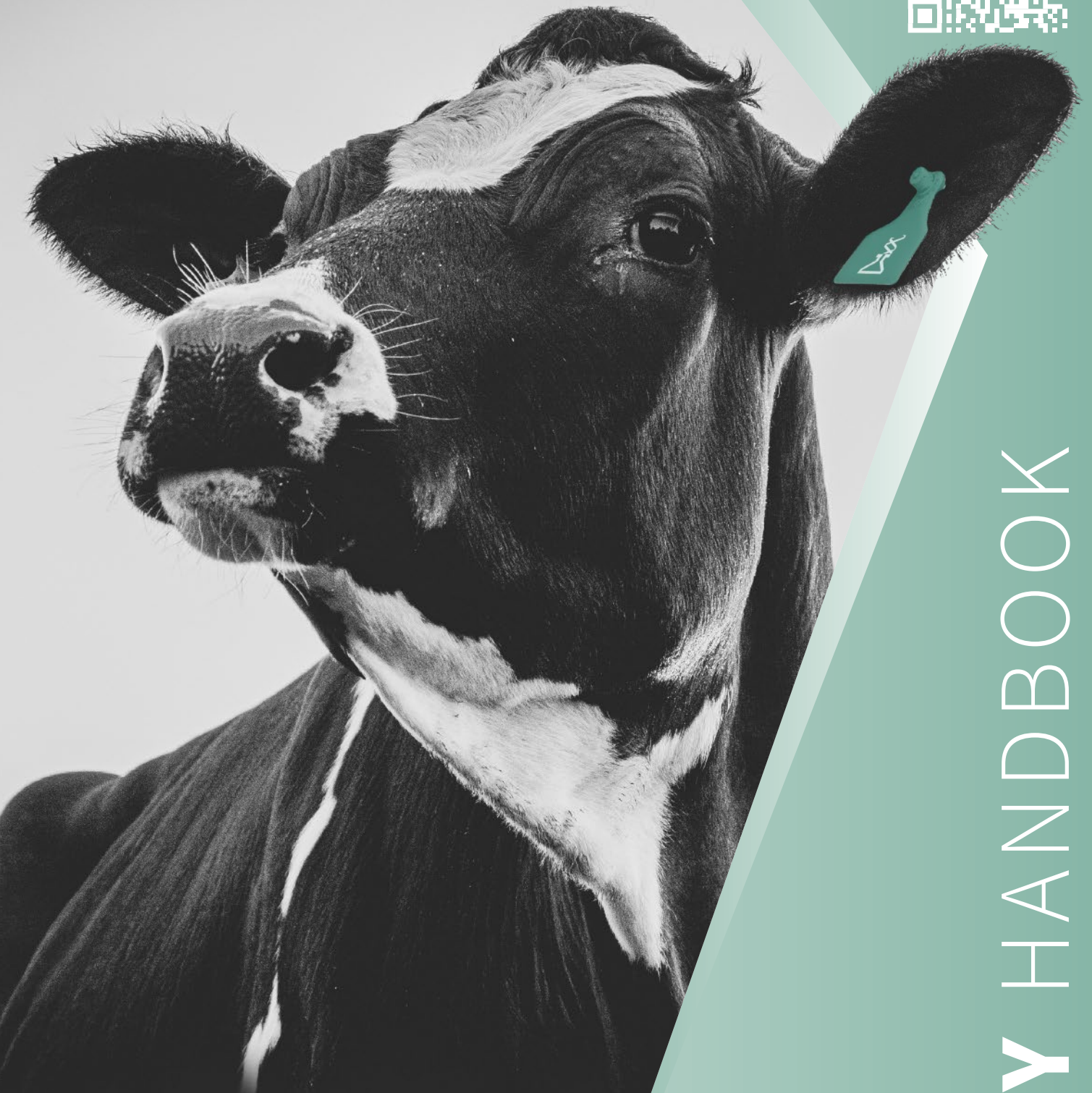
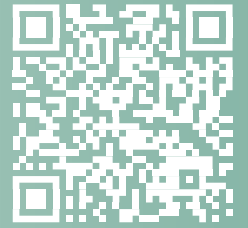




GENOMIC SOLUTIONS

Expert Solutions for Every
Stage of Dairy Production

DAIRY HANDBOOK

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Expert Solutions for Every Stage of Dairy Production

Dairy farming is demanding, and you already have enough on your plate.

Simplify your breeding decisions and experience unmatched service and support with Neogen.

Backed by a global leader in both livestock genomics and animal health, no one is better placed than Neogen to help you realise your herd's full potential.

Our regional territory managers come from farming backgrounds and understand the challenges you face. They want to see your business thrive by making cutting-edge science accessible, and to show you how it can work for you.

Neogen's livestock genomics lab is the largest and most trusted in Australia, processing thousands of samples every day. Our flagship dairy product, Igenity Aussie Select has been custom-designed for the Australian dairy market to give you streamlined genomic results, so you can make confident selection and breeding decisions at a production-friendly cost.

And we offer comprehensive animal care solutions to keep your cows as healthy and productive as possible.

If you want to discover what is possible with your dairy, Neogen can be with you every step of the way to help you achieve your goals.

There is a Difference.

DAIRY GENOMICS

Uncover her potential with Igenity®

Raising dairy heifers is the second highest on-farm expense, with return on investments not realised until the second lactation.

Genomic testing allows you to pinpoint key traits and make more informed breeding and selection decisions.

With samples taken from as early as birth, using genomic testing to increase the rate of genetic gain within your herd has never been faster or easier.

Use genomics to:

- **Advance Entry:** Identify heifers that suit your operational goals and can enter your milking herd earlier.
- **Increase Genetic Gain:** Genomic profiles provide the accuracy of progeny tests on twenty milking daughters, while traditional parentage averages equate to seven daughters.
- **Verify Parentage:** Parentage errors are found in approximately 15% of herds.
- **Make Confident Breeding Decisions:** With production, health and fertility trait information identified early in life, select suitable bulls with confidence.
- **Sort Sooner:** Earlier information allows you to determine which heifers are suitable for your investment, and which should be moved on, sooner.



A close-up photograph of a cow's head and neck, showing a yellow ear tag with a barcode. The cow has white fur with black patches.

DNA SAMPLING

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 and 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.



Igenity[®]
AUSSIE SELECT

Designed for the Aussie market.
Supports Holstein, Jersey, Red &
Guernsey cattle breeds*



 **NEOGEN**[®]

Igenity[®]

AUSSIE SELECT

The Igenity Aussie Select is an excellent decision making tool to help you facilitate herd improvement and drive genetic gain. This genomic test is supported by DataGene to give accurate results centered around the Australian market and provides indices such as BPI, HWI & SI.

Results from Igenity Aussie Select include over 40 traits received from the DataGene evaluation. Igenity Aussie Select results are displayed on a unique, easy to use, customisable dashboard, which allows producers to rank the cows in their herd but also create custom indexes to reflect the traits that matter most for their business.

Includes Parent Verification (must provide a list of possible sires and dams)

Production Traits

- Balanced Performance Index
- Health Weighted Index
- Australian Selection Index
- Protein (kg)
- Fat (kg)
- Milk (L)
- Protein %
- Fat %
- Feed saved (kg)
- Sustainability Index

Management Traits

- Cell count
- Residual survival
- Calving ease
- Live weight
- Daughter fertility
- Workability
- Milking speed
- Temperament
- Likeability

Type Traits

- Angularity
- Body depth
- Bone quality
- Centre ligament
- Chest width
- Rear leg view
- Rear set
- Stature
- Teat length
- Teat placement (front)
- Foot angle
- Fore attachment
- Loin strength
- Mammary system
- Muzzle width
- Teat placement (rear)
- Udder depth
- Udder texture
- Overall type
- Pin set
- Pin width
- Rear attachment height
- Rear attachment width

Add-ons

- BVDV
- A2

HEALTH & WELLNESS

Get the Animal Care Supplies You Need

Enhancing your animals' health and performance is always a top priority. Neogen offers comprehensive animal care solutions to improve your herd health, like veterinary instruments, wound care supplies, and more. We partner with you and your veterinarian to help keep your cows as healthy and productive as possible.

From husbandry and calving to syringes and needles, we have a wide range of solutions that provide all the dairy supplies you need to manage your herd and operation. Our wide range of proven, quality products has earned the trust of animal caregivers worldwide for over 30 years.



Prima Retractable Marking Sticks

Designed for easy and efficient animal marking, these non-toxic markers come in a twistable plastic dispenser with a cap to help keep hands and clothing clean.

- Colours are durable and stable
- Reliable in all temperatures
- Strong in colour with high luminosity
- Packed 10 sticks/box, 50 sticks/case





Detectable Needles

Neogen's disposable hypodermic needles line is colour-coded to indicate gauge for easy identification following ISO standards. Each Ideal® D3 Alloy needle is three-point, tri-beveled, precision ground to maintain a sharper, longer-lasting penetration surface. The cannulas are crimped and pressed into a sturdy plated-brass hub and are available in a variety of sizes.



Prima-Shot Repeater Syringes

Featuring durable rugged construction for repeated use, Neogen's Prima-Shot range is engineered to be the most accurate repeater syringe in the animal health industry. The patented design presents a unique rotating pull knob to conveniently fill and engage the syringe. Designed with the end user in mind, the ergonomic handles are sure to make any job run smooth.



Prima Marc™ Vaccinators

The Prima Marc simultaneously marks and injects the animal all in one-hand movement. Packaged with medical grade tubing, two hose armour springs, three bottle collars (20mm, 30mm, and 33mm) with uni-lock draw-off system, metal luer lock needle nut, and lube packet. Packaged in a clear plastic bag with header card for hanging.



Value Line Vaccinators

Packaged with a metal luer lock nut and medical grade tubing.

DAIRY BIOSECURITY

Animal-specific solutions to people-focused biosecurity

Cleaners & Disinfectants

Our powerful disinfectants enable your environment to be cleaner and safer, including options designed for use around animals.

Neogen® Viroxide Super™ is a broad-spectrum powder disinfectant recommended for use on hard surfaces and independently proven to act rapidly against bacteria and viruses. It offers a wide range of applications, including terminal disinfection and continuous disinfection, such as boot dips, aerial misting and fogging, disinfection of vehicles, livestock drinking water, and hatchery, at economical in-use dilution.

DEFRA approved — FMD, SVD, DoP, and general orders



Rodent Control

Neogen's proven rodenticides are used for control of rodents and complement its disinfectants as a critical component of an overall biosecurity program. Rodents compromise the quantity and quality of food and feed, and spread disease.

Neogen Animal Safety
naa-as@Neogen.com





FOOD SAFETY

Food Safety Controls in the Dairy Industry

Megazyme

Megazyme's signature assay kits allow manufacturers to measure key parameters such as Lactose, Lactic Acid, Urea/Ammonia, Fructan, Fructo-
ligosaccharides and many more in a convenient and cost-effective way.

Culture Media & Pathogen Testing

Neogen's Culture Media, Pathogen Detection & Rapid Screening Tests: ANSR, Reveal & Listeria offer solutions for the detection and isolation of pathogens and spoilage organisms relevant to the dairy industry.

Allergen Management

Qualitative Lateral Flow & Quantitative Veratox ELISA Tests - Dairy companies handle and process amongst other nuts, gluten or soy, allergen testing is effective to help ensure compliance with regulatory requirements.

Rapid Microbial Dairy Testing

Rapid Automated Detection System: Soleris, is the perfect partner for microbiological testing for the dairy industry seeking faster results, reduced labor costs, easy-to-use assays.

Hygiene Monitoring

Clean-Trace is a complete ATP hygiene monitoring system that validates the effectiveness of your cleaning program by detecting ATP from residues and microorganisms present on surfaces and in rinse water samples.

Natural Toxins

As dairy products are at risk of containing aflatoxin M1 or histamine, rapid quantitative tests using Veratox assures manufacturers that the toxin level is below the safe threshold, and it complies with regulatory levels.



Questions?

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



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