



XYTOVET

*Australian DNA testing for generational  
genetic improvement in livestock*





*Helping Australian  
and New Zealand  
farmers drive  
productivity,  
profitability and  
sustainability*



As an Australian-owned and operated business, our team of genetics experts are placed across Australia to help our farming communities get the best outcomes for and from their livestock.

With our comprehensive DNA and genetics testing services, we provide you with accurate and up-to-date information to help you make the right management decisions for the breeding objectives of your business.

No matter how big or small your enterprise, we can deliver flexible solutions to suit your operational needs.





Our mission is to provide high-quality, locally owned genotyping and pathogen analysis for the Australian and New Zealand livestock industry.

We walk our clients through this process with consultants that speak agriculture and understand the daily challenges of farming.

Our team own and operate their own farming businesses, so we appreciate the importance of taking time to form personal relationships and understand the needs of your business.



- *Australian testing on home soil*
- *Genomic Breeding Values*
- *Parent Verification*
- *DNA for productivity*
- *Paddock-to-plate traceability*
- *NATA accredited*





<p><b>50K Genotyping</b></p>	<p>50K genotyping is a DNA test that analyses more than 50,000 SNP markers across an animal's genome. This provides a clear picture of their genetic strengths and weaknesses, long before you see it in the paddock. It makes breeding decisions clearer, quicker and more reliable.</p>	<ul style="list-style-type: none"> <li>• Pick your best animals early</li> <li>• Includes Parent Verification</li> <li>• Select animals for specific environmental pressures</li> <li>• Control inbreeding and defects</li> <li>• Faster genetic progress</li> </ul>
<p><b>Parent Verification</b></p>	<p>DNA-based Parent Verification tells you exactly who the parents are of each calf or lamb. It saves time and labour associated with mothering up.</p>	<ul style="list-style-type: none"> <li>• No more guessing parents</li> <li>• More accurate breeding values (EBVs/ASBVs)</li> <li>• Identify your best sires</li> <li>• Better mating decisions</li> </ul>
<p><b>Flock Profile</b></p>	<p>A flock profile test allows commercial Merino producers to benchmark their animals' genetics against the Australian flock. It is useful for identifying the future direction of your flock and making ram purchasing decisions.</p>	<ul style="list-style-type: none"> <li>• Big picture views on multiple key genetic traits</li> <li>• Compare bloodlines quickly</li> <li>• Guide future bloodstock purchases</li> <li>• Clearer long-term breeding plans</li> </ul>





## *Testing Options - tailored to your business*

<b>Horn / Poll Analysis</b>	Horn/poll testing is a DNA assessment that indicates a probability that an animal is likely to be horned or polled, and pass that phenotype on to its offspring.	<ul style="list-style-type: none"><li>• Breed more polled stock</li><li>• Save time &amp; money on dehorning</li><li>• Improved welfare &amp; safety</li><li>• Polled genetics improves market appeal</li></ul>
<b>Disease Surveillance</b>	Disease surveillance testing identifies health issues that are not obvious, for instance Trichomonosis or PI BVDV (Pesti).	<ul style="list-style-type: none"><li>• Catch problems early &amp; act</li><li>• Protect herd / flock productivity</li><li>• Avoid costly outbreaks &amp; losses</li><li>• Safer buying and selling</li><li>• Meet market and export standards</li></ul>
<b>Genetic Condition Testing</b>	Genetic condition testing is a DNA check that identifies animals that are carriers of genetic conditions e.g. Texel Chondro, or traits with gene effects e.g. Booroola, GDF9, Myostatin.	<ul style="list-style-type: none"><li>• Stop hidden problems spreading</li><li>• Select desirable traits</li><li>• Make better informed mating choices</li><li>• Protect sire reputation</li><li>• Simple &amp; reliable</li></ul>

*Plus many more testing options - contact us to discuss your objectives*



# Our Team

XytoVet staff **know** farming because they **are** farmers. It's how we live and breathe Australian livestock.

## Field Sales



**Jack Briscoe**  
Regional Genetic Sales  
Manager - VIC, SA, TAS

Jack's been in livestock for over 35 years and now runs a mixed farming operation in Geelong with his wife.

With plenty of DNA collection and hands-on data recording experience, Jack helps our clients with practical advice on DNA sampling.

**0487 030 637**  
[jack@xytovet.com.au](mailto:jack@xytovet.com.au)



**Hannah Anderson**  
Genetic Sales Consultant  
NSW, QLD

Hannah, who lives in the Riverina region of NSW is an experienced livestock producer. With a Masters degree in Animal Science she is also an accomplished livestock genetics consultant, who is particularly interested in reproductive genetics.

**0437 881 676**  
[hannah.anderson@xytovet.com.au](mailto:hannah.anderson@xytovet.com.au)



**Zali Spencer**  
Genetic Sales Consultant  
WA

Zali was raised on a family sheep property in the heart of the WA wheatbelt, and possesses a wealth of knowledge for agriculture and genetics. Her hands-on experience in sheep, cattle, and cropping enterprises make her an ideal partner for our clients in Western Australia.

**0457 310 288**  
[zali@xytovet.com.au](mailto:zali@xytovet.com.au)

## Support / Lab



**Kirrin Wade**  
Business Development &  
Client Services Manager

Kirrin grew up in regional WA and has always loved animals, particularly sheep and alpacas, which she turned into a PhD in livestock nutrition.

Having worked at XytoVet since its inception, she combines her experience and ag background to bridge the gap between the laboratory and our clients.

**0483 308 148**  
[kirrin@xytovet.com.au](mailto:kirrin@xytovet.com.au)



**Client Services &  
Lab Staff**

When you call us, it's one of our fantastic client services team members that answers your questions.

And our dedicated lab staff make sure your testing is completed quickly and accurately.

**(08) 6383 8110**  
[samples@xytovet.com.au](mailto:samples@xytovet.com.au)



**Jason Ledger**  
Managing Director

Jason lives on a property in WA with his family, horses and dogs, and has extensive experience in the biotechnology industry, including in DNA sequencing, biosecurity, biodiversity, molecular biology and environmental awareness.

**0417 938 067**  
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## What is the XytoSelect ASBV Tool?

XytoSelect is a digital platform that empowers seed stock producers to understand the genetic information underpinning their flock. Using your flock's SGIDs, the tool retrieves ASBVs and guides you through a step-by-step process to evaluate both dams and sires.

From benchmarking performance to simulating breeding outcomes, XytoSelect supports practical, on-farm decision making, helping you select higher performing ewes for a balanced sire contribution and protect your flock's future gains by turning complex breeding data into clear, actionable strategies.



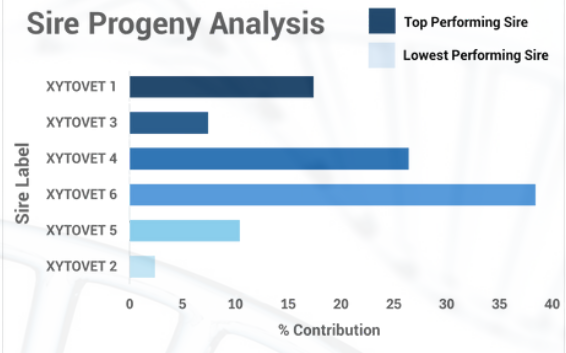
***Focus resources on your top genetic performers while removing bottom performers from your flock.***



X Y T O S E L E C T

- 1 Enter your flock's SGIDs
- 2 Explore current flock performance
- 3 Conduct dam & sire analysis
- 4 Score underperformers
- 5 Simulate sire allocation
- 6 Monitor long-term outcomes

### Sire Progeny Analysis



XytoSelect enables you to rank animals based on the traits that matter most to your operation - whether it's fleece weight, micron, reproduction, or growth. You can compare sires to your current flock average, simulate sire contributions, and confidently identify which dams and sires are underperforming.





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