

## BVD BULK TANK MILK ROLLOVER

**LIC'S BULK MILK MONITOR PACK...  
THE MOST COMPREHENSIVE RESULTS ON THE MARKET.**

**In recent years LIC has rolled over orders for the BVD Bulk Milk Monitor Pack for farmers who book directly.**

The process is an easy way to ensure farmers don't forget or miss BVD testing.

LIC is now including vet-submitted bookings within this roll over process. Vet organisations will receive an email confirming the booking, together with relevant dates of each test.

With the ability to use historical data from previous seasons' testing, together with relevant information such as farm and animal movements, MINDA records, and supply details - you can be assured LIC's Bulk Milk Monitor pack will provide the most comprehensive results on the market.

If you wish to have a spreadsheet of all your 2019/2020 bookings/results forwarded, please email or phone LIC's Animal Health team (ahl@lic.co.nz or 0800 436 362).

LIC will complete additional PCR tests for Monitor Packs at

A few words from...

### **TRACEY REYNOLDS LIC DIAGNOSTICS VET**

**My role at LIC is to be the link between veterinarians, farmers, and LIC.**

I've spent the last eight years in dairying and clinical practice, and my role at LIC is to provide up-to-date information on our animal health diagnostic tests and support or advice on test results.

You'll also find me on the bull farm keeping the bull team in tip-top shape for the up-coming season.

If you have any questions related to diagnostic results you can get in touch with me, or any one of the team, by calling 0800 436 362.



no charge where the herd BVD status is not clear (e.g. first PCR result negative; second PCR result positive, two weeks apart).

All positive results are highlighted in the results email and the LIC Animal Health team will contact customers who receive positive results.

The LIC Animal Health team also proactively identifies herd test dates of positive BVD herds, and if imminent, will contact the vet clinic to discuss capturing samples for a possible PI hunt.

If your customer needs to

change their herd test date for any animal health testing, the herd test change fee will be waived - it's up to your customer to discuss this with LIC's herd test team directly.

Other tests can be added to the BVD PI hunt samples at the same time (e.g. Johne's, or Milk Pregnancy), but this should be discussed first with the Animal Health team.

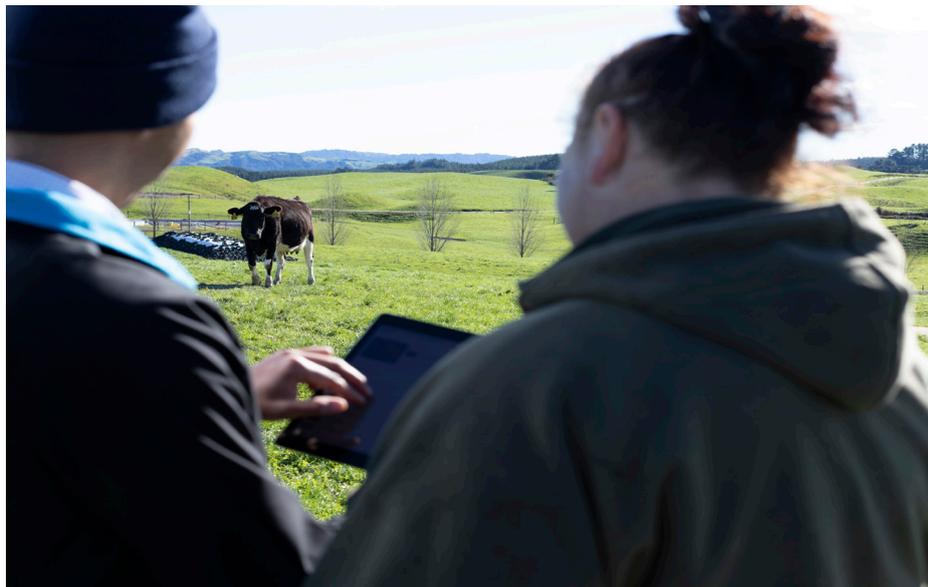
**Please note:** If you wish to cancel a BVD bulk milk booking for your customer you will need to call or email the LIC Animal Health team directly - we do not accept booking forms from other labs as an indication to cancel the LIC BVD monitoring pack.

## MINDA<sup>®</sup> LIVE

LIC is in the process of upgrading the infrastructure behind MINDA LIVE and moving to the cloud, enabling the cooperative to deliver a better customer experience.

The Farm Information team has been gathering feedback from farmers and their staff, and this has started to shape what new features and functionality users would like to see in MINDA LIVE.

Some of the new features that are being worked on include deeper insights into herd data and analysis, for faster, clearer, and easier



decision-making.

To help with this, LIC will be sharing more prototypes with farmers to ensure we're hitting the mark when it comes to what's added to MINDA LIVE.

LIC regularly delivers online training for MINDA LIVE, and further help is readily available

on LIC's website:

[lic.co.nz/mindalive-training](https://lic.co.nz/mindalive-training)

A number of training tools on LIC's website are designed to help users get the most out of MINDA LIVE, including the [1463:1\)2892](tel:146312892) and [MINDA Help](#), so be sure to take advantage of these resources.

## What's Your Pet Pathogen?

### Resilient Dairying

**The dairy industry loses more than \$1 billion every year due to sub-optimal cow health.**

Consequently, LIC, MPI, and Dairy NZ have put animal health and wellbeing at the heart of a programme dubbed *Resilient Dairy: Innovative breeding for a sustainable dairy future*.

Over seven years, the programme will invest in new disease identification and management technologies, as well as advancements in genomic science to improve

cow productivity, health, wellbeing, and environmental resilience.

LIC scientists are working to understand animal health by sequencing organisms present in milk, blood, effluent, and faecal samples.

The team is taking a novel approach to testing - identifying not only known organisms, but seeking unknown pathogens too!

Do you have a favourite pathogen we could be screening for? Let us know at [resilient.dairy@lic.co.nz](mailto:resilient.dairy@lic.co.nz)



# Liquid Sexed Semen: PERFORMANCE

**With the gradual drive in the industry (and international markets) toward a more animal welfare-compliant food chain, there's increasing interest in mating programmes that include the use of sexed semen.**

The benefits of successfully using sexed semen include:

- potential for the reduction of bobby calves (90% heifers born, compared to 48% with conventional semen);
- increased genetic gain (generating female offspring from higher genetic-merit animals), and;
- the possibility of generating added value offspring (dairy/beef crosses).

Lincoln University Dairy Farm and St Peter's School Owl Farm underwent one season of using Liquid Sexed Semen as part of their breeding programme to take advantage of the benefits listed above, while maintaining a successful reproductive performance.

LIC studies show the use of frozen sexed semen results in conception rates that are (on average) 13.3% lower than conventional frozen semen.

While previous studies have shown Liquid Sexed Semen to have a 3-5% lower conception rate compared to conventional semen, latest data shows closer parity.

Owl and Lincoln dairy farms saw similar conception rates on cows that received sexed semen, compared to conventional semen.

Note that cows selected for sexed semen were chosen as the best animals among all those on heat on the day.

The implementation of the breeding programme - without compromising reproductive performance - was successful for both farms.

LIC is significantly increasing the delivery of Liquid Sexed Semen this coming season, with sexed semen for Holstein-Friesian and KiwiCross breeds offered for winter mating.

During spring the same two breeds are offered, with the addition of Jersey.

Subject to final demand, Liquid Sexed Semen will be available from 20 September to 30 November 2020.

## Owl Farm

Semen Product	Number of straws	Cows conceived	Conception rate
Conventional semen	252	126	50%
Liquid Sexed Semen	172	88	51%
Wagyu/SGL Hereford	182	96	53%
SGL Dairy*	112	48	43%
<b>Total</b>	<b>718</b>	<b>358</b>	<b>50%</b>

## Lincoln University Dairy Farm

Semen Product	Number of straws	Cows conceived	Conception rate
Conventional semen	263	138	53%
Liquid Sexed Semen	311	174	56%
Wagyu/SGL Hereford	306	159	52%
SGL Dairy*	182	77	41%
<b>Total</b>	<b>1069</b>	<b>548</b>	<b>51%</b>

\* SGL Dairy used from week 7 to 12 of mating. We anticipate reduced conception rates during this period as inseminations are conducted on generally less-fertile cows; this decline is recorded nationally as mating weeks progress in line with the SGL Dairy result above.

## Meet a few of the team...

LIC Animal Health:  
0800 436 362  
ahl@lic.co.nz



**Tracey Pinny**  
- Animal Health Analyst Team Leader

I've been with LIC for the best part

of my working career, which includes the last 15 years in the Animal Health Advisory team.

The team has grown in-line with farmer demand for our services, increasing from just one advisor to five advisors (covering the needs of all farmers and vets across the country).

A big part of what we do is to liaise with vets about farmers' health testing needs.

We look after the herds from start to finish - from booking, to test lists, results, and calls to vets.

PI hunts on herd test milk are our forte, and we have access to all records on the LIC database to keep costs to a minimum on farm, while maximising the outcome.

Within LIC I've previously worked in data management, the semen lab, and the Animal Health lab.

We try to deliver everything we can to vets and farmers, and if it doesn't immediately fit our normal process, we'll do our utmost to find solutions.



**Karyn Depree** - Diagnostics Manager

Having grown up and worked on a dairy

farm, I've always had a passion for the dairy industry.

I completed an Master of Science in molecular biology at Waikato and worked in a number of research laboratories both within New Zealand (AgResearch & Fonterra Innovation) and in the USA, before joining GeneMark at LIC in 2008.

Within LIC I've also held roles in Research & Development (R&D), and was part of a business transformation team before taking up my current role April 2018.



**Shona Pryor** - Animal Health manager

Since joining LIC in 2014, I've mainly managed

the commercialisation of new diagnostic tests. More recently however, I've managed the Animal Health team, overseeing lab operations and technical management of the suite of Animal Health tests LIC offers.

This season LIC is offering the following tests **free-of-charge**:

- **A 3rd PCR test for Bulk Tank Milk packs to use at any point within the season**
- **Johne's Disease serum test for animals that return high positive results on herd test milk samples**

## Repro Statistics and Up-&-Coming Technologies

**Help prepare your customers for the mating season ahead!**

- Learn about current repro stats and sexed semen trials.
- Get up-to-speed with advancing technologies such as Milkomics and the new Illumina SNP platform used for DNA genotyping.
- Presentations from LIC's Research & Development team

The session will run on:

**Thursday 9 July 2020**  
**11.30am - 1pm**

**Zoom link:**

<https://zoom.us/j/4093171255>