

# THE LONG

**Long-acting clostridial protection – so you can vaccinate earlier and protect lambs for longer.**

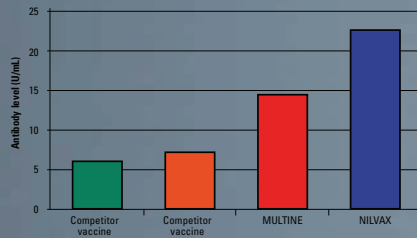
If you've ever had lambs drop dead from diseases like Pulpy Kidney, you'll know why clostridial protection is so important. A 5-in-1 vaccination at pre-lamb dramatically increases lamb survival through to weaning. And the more antibodies they receive, the more protected they'll be.

NILVAX contains levamisole, which boosts the immune response in ewes, increasing the number of antibodies available to lambs through colostrum. This boosted protection results in longer-lasting protection for lambs and better protection for multiples that share colostrum from one ewe.

Clostridial protection is one of the best things you can do right now to ensure more lambs survive through to weaning.

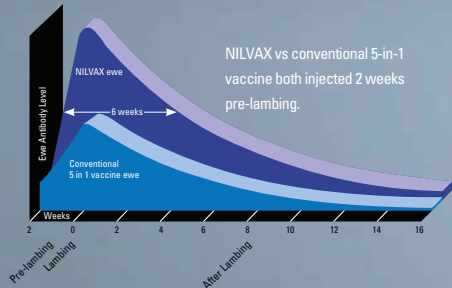
**Ewes vaccinated with NILVAX 5-in-1 produce more antibodies.**

Pulpy Kidney (*C. perfringens* Type D) mean antibody levels in ewes measured 14 days after pre-lamb vaccination<sup>1</sup>.



This is a big benefit at a busy time of year because it means that:

- your lambs are protected for longer. Only NILVAX offers lambs up to 16 weeks protection – up to a month longer than conventional 5-in-1s
- more antibodies are available to suckling lambs – especially important for making sure multiples get the protection they need
- you're able to vaccinate earlier. This decreases the risk of sleepy sickness in ewes caused by mustering and yarding close to lambing
- you can vaccinate ewes 2-4 weeks before lambing and be confident that later-lambers are covered.



# THE LONG:



**Long-acting clostridial protection – so you can vaccinate ewes earlier and protect lambs for longer.**

# THE SHORT:

**A short-acting drench.**



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**A short-acting drench**

Because NILVAX contains a short-acting drench, your ewes won't lose energy and production fighting worm burden at such an important time.

Short-acting drenches are active for just a few hours after use.

Use of long acting-drenches has been identified as being highly selective for resistance.<sup>2</sup>

**NILVAX offers the convenience of a 5-in-1 plus drench in one pass.**

#### Reference

1. Moffat, 2001, Soc. Sheep & Beef Cattle Vets NZ/VA.
2. Leathwick, D.M., Sustainable Control of Nematode Parasites - a New Zealand perspective, Small Ruminant Research (2013), <http://dx.doi.org/10.1016/j.smallrumres.2013.12.020>