

LOOK FOR THE GOLD BOXES AT YOUR VET CLINIC



### Why an injection?

The majority of death and disease occurs in the first few weeks of life, so supplementation to prevent this needs to be rapidly absorbed and given as early as possible.

This is best achieved through an injection, as oral supplementation is generally slower and complicated by poor absorption and interference between elements in the gut.

### When and how to use MULTIMIN®

MULTIMIN® should be administered to calves (up to 12 months) at birth and at weaning. In the trial, farmers injected calves on the first day they arrived in the shed, which easily fitted into their daily routine.

MULTIMIN® is administered as a subcutaneous injection at 1 ml/50 kg in calves. MULTIMIN® has nil meat and milk withholding periods.

To learn more, including the benefits of using MULTIMIN® in your herd four weeks prior to mating and calving, visit [performanceready.co.nz](http://performanceready.co.nz) and ask your vet.

**ASK YOUR VET**  
**PERFORMANCEREADY.CO.NZ**



**GET YOUR HERD  
PERFORMANCE  
READY**



Enhance calf immunity.



Shaping the future  
of animal health

## A UNIQUE CONCEPT OF TRACE ELEMENT SUPPLEMENTATION

### Get them off to a great start

It's well known that a newborn calf is the most susceptible animal to disease on the farm, and that trace elements are essential for cattle production and immunity. So it makes sense to ensure that every calf has enough trace elements to give it the best chance of fighting off the challenges they'll face in their first weeks of life.

### Should newborn calves be supplemented with trace elements?

Most farmers do their best to make sure the herd has been supplemented before calving and assume this will pass on to the calf. However, the cow's own high requirements and variable intake of colostrum can mean calves enter the calf shed with less trace elements than expected, at exactly the time they need them most for growth and immunity. A severe deficiency will reduce weight gains, but even a minor shortfall will result in reduced immunity.

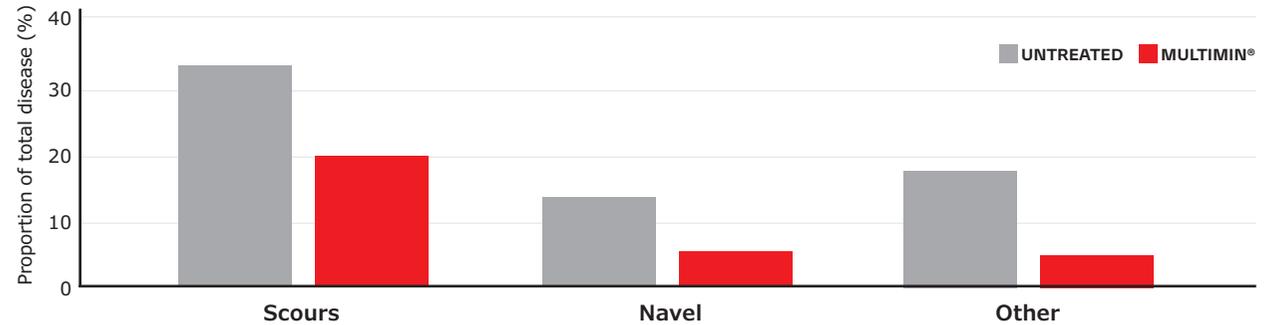
### Supported by science

A recent NZ trial\* has shown the benefit of treating calves in the first 24 hours of life, despite their dams being fully supplemented prior to calving. In MULTIMIN<sup>®</sup> treated calves, sickness and death rates due to scours, navel infections or other diseases were halved. A 5% reduction would have paid for the cost of injection.

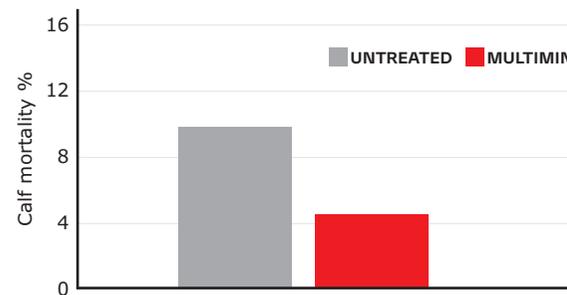
**The pioneer multiple trace element injection in New Zealand, MULTIMIN<sup>®</sup> is a unique concept of supplementation for cattle, used by farmers throughout the country.**

- Contains copper, selenium, zinc and manganese for immune support
- Chelated formulation that is safe and tissue friendly
- Absorbed into blood within 8 hours and transferred to liver within 24 hours
- Scientifically proven in NZ conditions to enhance calf health and survival

### Reduction in disease from 3-35 days of age after MULTIMIN<sup>®</sup> treatment in first 24 hours



### Mortality rates day 3-35 with and without MULTIMIN<sup>®</sup> treatment in first 24 hours



**↓52%**  
REDUCTION IN DISEASE

**↓58%**  
REDUCTION IN DEATHS

\*Bates, A., Wells, M., Laven, R.A., Simpson, M. (2019) Reduction in morbidity and mortality of dairy calves from an injectable trace mineral supplement. Veterinary Record Published Online First: 25 April 2019. doi: 10.1136/vr.105082. Registered Pursuant to the ACVM Act 1997, No. A9374. MULTIMIN<sup>®</sup> is a registered trademark of Virbac New Zealand Limited. Copyright © 2021 Virbac New Zealand Limited. All rights reserved. Virbac New Zealand Limited, 26-30 Maui Street, Pukete, Hamilton 3200.