

## YOUR BEST SHOT AT IMMUNITY AND SUCCESSFUL TRANSITIONS



Optimal protection during highstress periods for both cow and calf

## \*What is Multimin® 90?

Multimin 90 is a proven, one-of-a-kind trace mineral injection that maximizes vaccine protection and immune response when used as part of a herd health protocol. Multimin 90 supports both cow and calf immune systems and ensures each cow receives optimal trace mineral supplementation through the transition period.

We use cookies to improve user experience by remembering your preferences and repeat visits. By clicking "Accept", you consent to the use of ALL the cookies. You may manage your preferences through "Cookie Settings" to provide a controlled consent.

Cookie settings

ACCEPT

## **Immunity**

Multimin 90 supports both natural immunity and vaccine response, providing better protection in periods of high stress such as birth, weaning and freshening. Healthier cattle allow producers to reduce treatments costs and antibiotic use, and support udder health in the cow herd.



Supports natural immunity and vaccine response



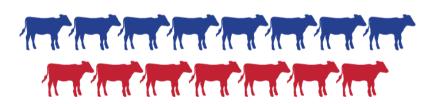
**Enhances protection in high-stress periods for both cows and calves** 



**Supports udder health** 

Research shows Multimin 90 in a calf vaccination program improves vaccine response from 53% to 80%, as measured by a four-fold increase in antibody titers.













In a university study, a single injection of Multimin 90 was given to dairy cows with elevated somatic cell counts. The results indicated:

- Reduced incidence of chronic clinical mastitis, particularly in first lactation cows
- Increase in subclinical mastitis cure in cows with three or more lactations

We use cookies to improve user experience by remembering your preferences and repeat visits. By clicking "Accept", you consent to the use of ALL the cookies. You may manage your preferences through "Cookie Settings" to provide a controlled consent.

Cookie settings

ACCEPT

- Increased colostrum quality in heifers by increasing specific antibodies
- ✓ Calves consuming the higher quality colostrum tended to have more specific antibodies against scours than control calves

## **Transition**

Multimin 90 gives dairy producers assurance that each cow receives optimal trace mineral supplementation during times of peak demand, such as the transition period.



Avoids antagonists in the close-up ration to support a healthy immune system



Quickly replenishes trace minerals in the cow after in utero transfer to the calf



**Supports udder health** 

A large pen study conducted in Texas evaluated dairy cows through heat stress. The results indicated that the dairy cows' own immune defense systems were better able to fight disease when supplemented with Multimin 90. This resulted in:

- Reduced metritis cases
- Reduced stillbirth
- A university study evaluating use of Multimin 90, at dry-off, 30 days pre-calving and 35 days in milk, indicated:
  - Reduction in somatic cell counts
  - Decreased clinical mastitis in multiparous cows
  - Decreased subclinical mastitis

We use cookies to improve user experience by remembering your preferences and repeat visits. By clicking "Accept", you consent to the use of ALL the cookies. You may manage your preferences through "Cookie Settings" to provide a controlled consent.