



Pacific BioLogics

24·7 SMARTRACE

GROWING AND ADULT CATTLE ORAL BOLUSES

24·7 SMARTRACE BOLUS TECHNOLOGY



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How Agrimin 24·7 SMARTRACE works

One Agrimin 24·7 SMARTRACE bolus gives each cow up to 6 months of highly cost-effective trace element support.

1

24·7 SMARTRACE bolus is given to the cow with the specially designed applicator and moves down the animal's oesophagus.

2

24·7 SMARTRACE bolus moves down to the rumen and lodges safely in the cow's reticulum.

The wrapper dissolves and the bolus breaks into two parts.

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3

Unique 'physical erosion' technology produces measured and consistent delivery of key trace elements. 24-7 SMARTRACE releases the required amount of selenium, iodine and cobalt at all times.



4

Trace elements flow smoothly from the cow's gut to the bloodstream. In breeding cows correcting and restoring the trace element levels in the last trimester of pregnancy. In growing animals ensuring adequate trace element levels whilst grazing.

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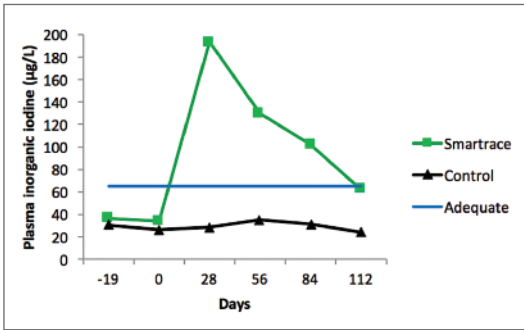
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Efficacy Data

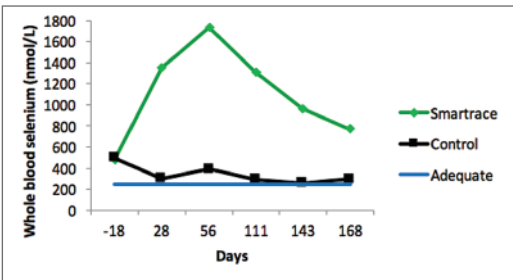
Efficacy Study – Iodine

The following graph shows cattle on an iodine deficient site in North Island, New Zealand. One group received the SMARTRACE bolus, the other was an untreated control. The SMARTRACE bolus corrected the iodine levels for at least 112 days.



Efficacy Study – Selenium

The following also shows the changes in whole blood and hepatic selenium levels in cattle grazing pastures with a marginal selenium status. One group received the SMARTRACE bolus the other acted as an untreated control. The boluses maintained normal selenium levels in the normal range for at least 160 days.



How does 24•7 SMARTRACE Cattle work?

Single bolus application
2 boluses joined by a dissolvable wrapper

Three key trace elements evenly distributed throughout the bolus

Active life of up to 6 months with the greatest release over the first 4 months following administration

100% retention by the animals

Trace elements released by erosion
No bolus residue

When should I use 24•7 SMARTRACE Cattle?

Adult Cattle
*Winter period
Drying off – final trimester
Brassica fed animals*

Growing Cattle
*Animals on hill country/marginal land
Animals reared off farm
In calf heifers*

