



**ProN8ure**  
Multi-Strain Probiotic

# every newborn calf

**2 gms for  
5 days  
(then 1 gm per day)**



## ProN8ure sets them up for the rest of their lives

- ProN8ure establishes the essential gut microflora needed for a healthy digestive tract, adding up to 360,000,000 naturally occurring beneficial bacteria, daily.
- ProN8ure, along with Colostrum antibodies, works to strengthen the natural immune system.
- ProN8ure stops scouring before it starts, inhibiting pathogens like E.Coli and Salmonella, from colonising the gut.

### On the first day of birth

Introduce ProN8ure at 2 gms for 5 days, then feed continuously at 1 gm per day, mixed in milk or milk replacer and later in feed. The solid foundation of positive microflora this creates aids in improved metabolism of colostrum

and milk, helps prevent scours and protects the calf from pathogens when it is most vulnerable.

### Ease the stress of weaning

The 'emotional' stress and stress caused by diet change has been proven to radically disturb and reduce

the levels of beneficial microflora. ProN8ure enhances gut microflora during the weaning transition and improves digestion of feed.

### If antibiotics are used

Ensure ProN8ure is introduced following the last antibiotic dose. Antibiotics, while destroying pathogens, also destroy the balance of natural microflora in the gut, leaving the calf susceptible to re-infection.

### And don't forget the cow

Indications are, by introducing the cow to ProN8ure prior to calving and for a period following, the quantity of Colostrum and milk is increased and its quality improved with more nutrients being made available to the calf.



## PRON8URE MULTI-STRAIN PROBIOTIC - NATURAL PROTECTION FOR CALVES

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# ProN8ure®

## MULTI-STRAIN PROBIOTIC

## THE NEW WAY TO HEALTHIER, WELL GROWN CALVES

### The digestive system plays a vital role in the health, vigour and performance of all calves.

Correct functioning of the digestive system is dependent on the level and balance of billions of bacteria and yeasts called microflora. Microflora are essential for the breaking down of cellulose and other indigestible substances; for the synthesis and absorption of vitamins and minerals; for stimulating the immune system and preventing the proliferation of pathogens like E.Coli and Salmonella (pathogens reduce nutrient absorption, cause infection and disease and even at subliminal levels can affect animal performance).

### ProN8ure multi-strain probiotic is a live microbial feed supplement formulated to establish, enhance or re-establish the essential microflora in the gut.

Seven naturally occurring beneficial strains of bacteria help make ProN8ure the most advanced probiotic in the world today. Unlike earlier single strain probiotics, the microbes in ProN8ure have a special protective coating ensuring maximum 'live' survival rates on the hostile journey through the stomach to the gut. All the micro-organisms in ProN8ure are regarded as safe, non-toxic and residue free. There are no risks of overdosing and ProN8ure is compatible with all feeds, feed ingredients like vitamins and minerals and *some* antibiotics.

### ProN8ure can be used every day to maintain calves in good health.

The levels of micro-organisms in the gut are constantly changing and affected by many conditions. Ideally ProN8ure should be administered daily at maintenance levels. However, ProN8ure can be used on a short term basis to treat specific problems or introduced at times when difficulties and stress are anticipated. Bucket reared calves should receive ProN8ure daily from birth. *The common sense approach to using ProN8ure is to stop problems before they start.*

### THE COW BEFORE CALVING

One of the most important sources of bacteria which will form essential microflora in a calf, is the cow. Feeding ProN8ure to cows prior to calving not only can improve the quality and quantity of colostrum, it increases the numbers of beneficial bacteria in her manure and decreases the number

#### Use of ProN8ure to combat the effects of stress

All animals have a negative physiological reaction to stress and young calves are no exception. Stress plays havoc with the digestive tract, disrupting the balance of normal, beneficial gut microbes, raising intestinal pH and creating opportunities for pathogens.

STRESS IS EASILY INDUCED WITH SOME OF THE COMMON CAUSES BEING:

TRANSPORTATION • TEMPERATURE EXTREMES • EXPOSURE TO ELEMENTS • OVERCROWDING • POOR HYGIENE • CHANGE OF ENVIRONMENT • PATHOGENIC ORGANISMS • DIET CHANGE • WEANING • WORMING • VACCINATION • ANTIBIOTIC USE

Using ProN8ure overcomes the effects of stress by maintaining or re-establishing the necessary levels and balance of beneficial microflora in the gut.

of pathogens. This helps limit the newborn calf's exposure to pathogenic bacteria as well as minimising the disruption to the cow's metabolism caused by the stress of calving.

### CALVES

When a calf is born, like many other baby animals, its gut is sterile. Bacterial colonisation is rapid with a proliferation of both beneficial and pathogenic bacteria. The ratio between these is finely balanced and largely dependent on external factors like colostrum quality (which varies considerably) and the environment.

*Introducing ProN8ure to the calf from birth has many benefits, including;*

#### Protection from scours/diarrhoea

World wide, scours is a major problem in calves. Figures indicate 6-8% of calves die because pathogenic bacteria colonise and dominate the gut. Until now, bacterial interference has been achieved by administration of antibiotics. ProN8ure offers the same bacterial interference but in a beneficial way through the infusion of good bacteria. Whereas antibiotics are used as a reaction to and treatment for scours, ProN8ure is introduced beforehand to protect the calf from the development of scours.

#### Protection from gut infection

Feeding ProN8ure from birth ensures the establishment of gut microflora with a positive balance of beneficial bacteria.

These beneficial bacteria aid in preventing colonisation of pathogens like E.Coli and Salmonella. In the event pathogens are already present in the calf's gut, ProN8ure effectively excludes or suppresses these organisms so they no longer affect the health of the calf. A healthy digestive tract is essential for a healthy immune system and ProN8ure works to strengthen both.

#### Improved digestion of feed

Development of the calf's gut is important for a successful transition from liquid to solid food. ProN8ure helps increase the efficiency of the digestive processes which means better controlled growth and less digestive upsets.

### AUSTRALIAN TRIALS

Early weaning of dairy calves involving the use of milk replacers, bucket feeding and intensive housing is a particularly stressful environment. It is hardly surprising the incidence of scours and other metabolic disorders is much higher than in natural rearing systems. The use of ProN8ure was shown in trials to improve the ability of calves to deal with such a stressful environment. Calves were observed to recover faster and were less likely to suffer a recurrence of scouring.

#### Natural growth promotion

Weight gain data showed that, on average, calves receiving ProN8ure grew approximately 5% faster than calves which did not receive ProN8ure.

#### Use of ProN8ure for post antibiotic therapy

Broad spectrum antibiotics are commonly used to treat infections in calves. While effective, they devastate the beneficial microbial population as well as target pathogens i.e. they kill good bacteria as well as bad, creating opportunities for re-infection, disease or other upsets.

ProN8ure multi-strain probiotic should be introduced at stress dosage levels immediately following the course of antibiotics. This re-establishes the levels of essential beneficial bacteria needed to resist gut re-infection and establish a healthy digestive system.

#### Used regularly ProN8ure can stop gut infections before they start.

By using ProN8ure on a regular basis the digestive tract is being flooded with beneficial microbes which rapidly colonise the wall of the gut, dramatically reducing the sites available for potentially pathogenic bacteria.