



Cost-Effectively...

# BioStart™ Calf

Healthy Calves. Healthy Cows.™

## WHY BioStart Calf?

BioStart Calf prebiotic is a concentrated blend of rennet and prebiotic ingredients including the enzymes and extracts from the fermentation of probiotic lactic acid bacteria. BioStart Calf aids in the full utilisation of liquid (colostrum and milk) feeds, early rumen development as well as promoting the establishment of beneficial probiotic microbes in the calf's digestive system.

## THE BioStart DIFFERENCE

- ▶ Added rennet improves curd formation and digestion
- ▶ Ensures beneficial microbes dominate the gut from day one
- ▶ Tried, tested and proven across AUS/NZ
- ▶ Endorsed by leading professionals and specialists
- ▶ Available from leading dairy resellers nation wide

## BENEFITS

- ▶ **Application** – easy to administer; convenient liquid formulation
- ▶ **Performance** – aids in the full utilisation of liquid (colostrum and milk) feeds and early rumen development
- ▶ **Price** – exceptional value vs. commercial colostrum supplements



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## THE BioStart DIFFERENCE

BioStart Calf is a concentrated blend of rennet and prebiotic enzymes and extracts.



### IMPROVE COLOSTRUM MANAGEMENT

Best practices for improving colostrum quality include: vaccinations and transition lead feeding in pre-calving cows, clean collection and storage of first colostrum, colostrum testing, adequate intake to newborn calves within 12 hours of birth.

BioStart Calf is a practical and cost-effective nutritional tool which ensures calves get the most out of best colostrum management and practices. Adding BioStart Calf to first colostrum feeds ensures a firm curd, improved colostrum digestion and the release of antibodies for passive immunity transfer.



### RENNET

Australian research (Gregory 2003) demonstrated that the level of rennet activity that causes the milk to clot (curd) in the newborn calf is highly variable. Weak curd formation is frequently seen in young calves and can be corrected by the addition of rennet to milk.

BioStart Calf rennet enzyme additive turns colostrum or milk into a firm curd in the abomasum – the critical phase of casein digestion. The curd releases whey proteins, lactose and antibodies (IgG) for immediate digestion and absorption while the formed curd enables the efficient digestion of remaining fat and casein to provide a second wave of absorbable nutrients.



### PREBIOTIC – FERMENTATION EXTRACT

A rich supply of fermentation metabolites (*Lactobacillus acidophilus*, *Bifidobacterium animalis*, *Streptococcus thermophilus*, *Lactobacillus casei*, *Enterococcus faecium*, *Propionibacterium freudenreichii*) necessary to establish and maintain gut microbial balance and health in physiologically immature infant animals.



### CALF-SHED EXPERIENCE & SUPPORT

ProviCo infant team specialists all have calf-rearing experience with ruminant nutritionist and technical support. The ProviCo infant team offer practical calf-rearing expertise to customise feeding plans for individual calf shed requirements.

## DIRECTIONS FOR USE

NEWBORN CALVES	5mL added to first colostrum feeds
MILK FED CALVES	2mL head/day
UNTHRIFTY CALVES	5mL head/day as a supportive measure

### PROVICO CALF MILK ADDITIVES PROGRAM:

Day 1	Add 5mL/head of <b>BioStart Calf</b> to first colostrum feeds to ensure colostrum curd, improve colostrum digestion and release antibodies for passive immunity transfer.
Day 2 - Weaning	Add either <b>FortiMILK® GOLD, SILVER</b> or <b>SOLUPLEX</b> to whole milk or unmedicated calf milk replacers to improve Cocci control and growth rates with Bovatec® and cover vitamin and mineral requirements. Alternatively, for a non-medicated program, feed either 2mL <b>BioStart Calf</b> or 10g <b>FortiMILK® GREEN</b> daily from Day 2 – Weaning.

**NOTE:** As a supportive measure during times of disease, stress, ill-thrift and gastric upset it is recommended to add FortiMILK GREEN to all electrolyte feeds and/or can be added to milk feeds for the first 2-3 weeks of life.

PACKS 2L Bottle

ESI & WITHHOLDING PERIODS NIL

RESTRAINTS & CONTRAINDICATIONS NIL

DOES NOT CONTAIN RESTRICTED ANIMAL MATERIAL

**Healthy Calves.  
Healthy Cows.™**

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