

# SuperCalf



Advanced powdered **WHOLE-MILK additive** combining industry-leading levels of micro-encapsulated probiotics with essential vitamins & minerals, Actigen<sup>®</sup>, and Yucca extract.

- Designed for use in whole milk only (not milk powder).
- High-strength probiotic powder additive with advanced vitamins and minerals.
- Lays the foundation for the future growth, feed efficiency, and the ongoing health and development of your calves.
- Active ingredients no less than 15.5 billion CFUs per gram (Colony Forming Units).
- Contains Yucca extract as a natural preventative against coccidiosis.
- Contains Actigen<sup>®</sup> – a prebiotic which binds salmonella and e.coli pathogens.
- Extended shelf-life.

## DOSAGE

- 10g per calf per day.

## PREMIX FORMULA

### NUTRIENT Active Level per 10gms

Vitamin D3	20.00 kiu
Thiamine B1	10.00 mg
Pyridox B6	5.00 mg
Cyanoc B12	0.10 mg
Biotin	0.20 mg
Folic acid	40.00 mg
Vitamin A	60.00 kiu
Vitamin E	150.00 mg
Vitamin C	500.00 mg
Cobalt	5.00 mg
Iodine	4.00 mg
Iron	40.00 mg
Potassium	520.00 mg
Copper	10.00 mg
Zinc	40.00 mg
Manganese	15.00 mg
Yucca	230.00 mg
Selenium	0.20 mg
Actigen	1000.00 mg

### PLUS PROBIOTICS:

- *Saccharomyces cerevisiae*
- *Bacillus subtilis*
- *Enterococcus faecium*,  
*Lactobacillus acidophilus*
- *Bifidobacterium longum*,  
*Bifidobacterium thermophilum*
- Amylase
- Protease
- Cellulase
- Lipase
- Pectinase @ no less than  
11.6 billion CFUs per dose

**NEW**



8.5 KG

PC: DFASC8



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# SUPERCALF'S SUPER POWERS

SuperCalf has been designed for calf rearers who use whole milk, because most calf milk replacers (CMR) already include vitamins and minerals in their formulations.

SuperCalf teams high-performance micro-encapsulated multi-strain probiotics, bacteria, yeast, enzymes, Yucca, and Actigen® with essential vitamins and minerals. Together they promote immunity, recovery, and improve digestion.

Research confirms that supplementing the rumen with probiotics accelerates calf growth: it directly stimulates rumen development, and reduces the need for antibiotic intervention.

## WHERE IMMUNE FUNCTION IS DRIVEN FROM

Because 70-80% of an animal's immune function is driven from its lower gastrointestinal (GI) tract, getting the right concentrations of probiotics to that sweet spot is key.

To that end, the micro-encapsulated probiotics carried in SuperCalf allow them to be distributed to the rumen and abomasum where they come to life – providing direct competition for pathogenic bacteria on a daily basis.

## SUPERCALF'S SUPER POWERS

Vitamins are essential for healthy calf growth, and the way they interact with trace elements and enzymes is where the magic happens.

Copper, selenium, zinc and manganese are an essential component of many enzymes.

Thiamine B1 (vitamin B) is also essential for the effective use of enzymes. Efficient conversion of carbohydrates, protein and fats into growth requires close co-operation between enzymes and B vitamins. Adult cows generally produce enough of these B vitamins in the rumen, but this is not the case for young calves because their rumen is still developing. B vitamins – in combination with copper, selenium, zinc and manganese – form the basis for efficient growth.

Selenium and vitamins E and C are the most important immunity boosters, while copper, zinc and manganese also play a role. Their antioxidant impact supports the immune system.

Vitamin A contributes to basic growth and development, because it plays a role in the maintenance of cell tissue. That includes developing the calf's vision.

Vitamin D is partially responsible for good bone development, as it forms an essential link in Calcium metabolism. Insufficient vitamin D levels result in sub-optimal bone development and therefore sub-optimal growth.

Iron plays an important role in the transport of oxygen and is therefore essential.

Iodine is equally necessary. This trace element is vital for production of the thyroid hormone, which determines the calf's metabolic rate and thereby growth.

## ACTIGEN®

Actigen® is a yeast carbohydrate, which normalises gut microflora and promotes microbiome diversity. By preventing bad bacteria populating the intestine, this prebiotic supports a calf's immune defence, gut microbial health, function and development.

*Note: The microflora drives the immune system, and its response – particularly inflammation. Inflammation serves as a protective role, responding to tissue injury or infection. Since the gut houses more than 70% of the microflora, it is the body's first line of defence against pathogens and toxins.*

### Actigen®'s features and benefits:

- Contributes to normalising gut microflora and promoting microbiome diversity.
- Maintains gastrointestinal integrity and stability.
- Aids in nutrient utilisation.
- May help in the control of salmonella.

## YUCCA

Yucca is an extract derived from Yucca schidigera, which is native to the deserts in south-eastern California, Baja California, New Mexico, southern Nevada and Arizona. It leads to higher microbial yields through rumen nitrogen uptake.

Yucca contains naturally occurring saponins, which help bind protozoal pathogens such as Coccidia and Cryptosporidium. It also includes naturally occurring anti-microbials and anti-oxidants with complex properties. It has been successfully used for centuries – and, in the US cattle production for more than three decades. It is in no other product on the Australian market.

It carries a US GRAS (Generally Regarded As Safe) status, and is FDA-approved for use in humans.



## OTHER ACTIVE INGREDIENTS

- Host-specific **micro-encapsulated probiotic bacteria** have key receptor sites for each host species that allows for more efficient attaching to the epithelium in the small intestine. The micro-encapsulation ensures the bacteria's safe passage through the rumen to the lower GI tract.
- **Bacillus Subtilis** is a very hardy spore, which is extensively used by pharmaceutical and agricultural markets because of its efficacy.
- **Active live yeast or Saccharomyces Cerevisiae (SC)** is reported to positively impact the immune system. SC has also been reported to enhance growth and performance because of increased dry matter intake. It is a strong rumen control agent – allowing the removal of antibiotic-based rumen control agents. SC also carries B vitamins, amino acids, minerals and vitamins.

