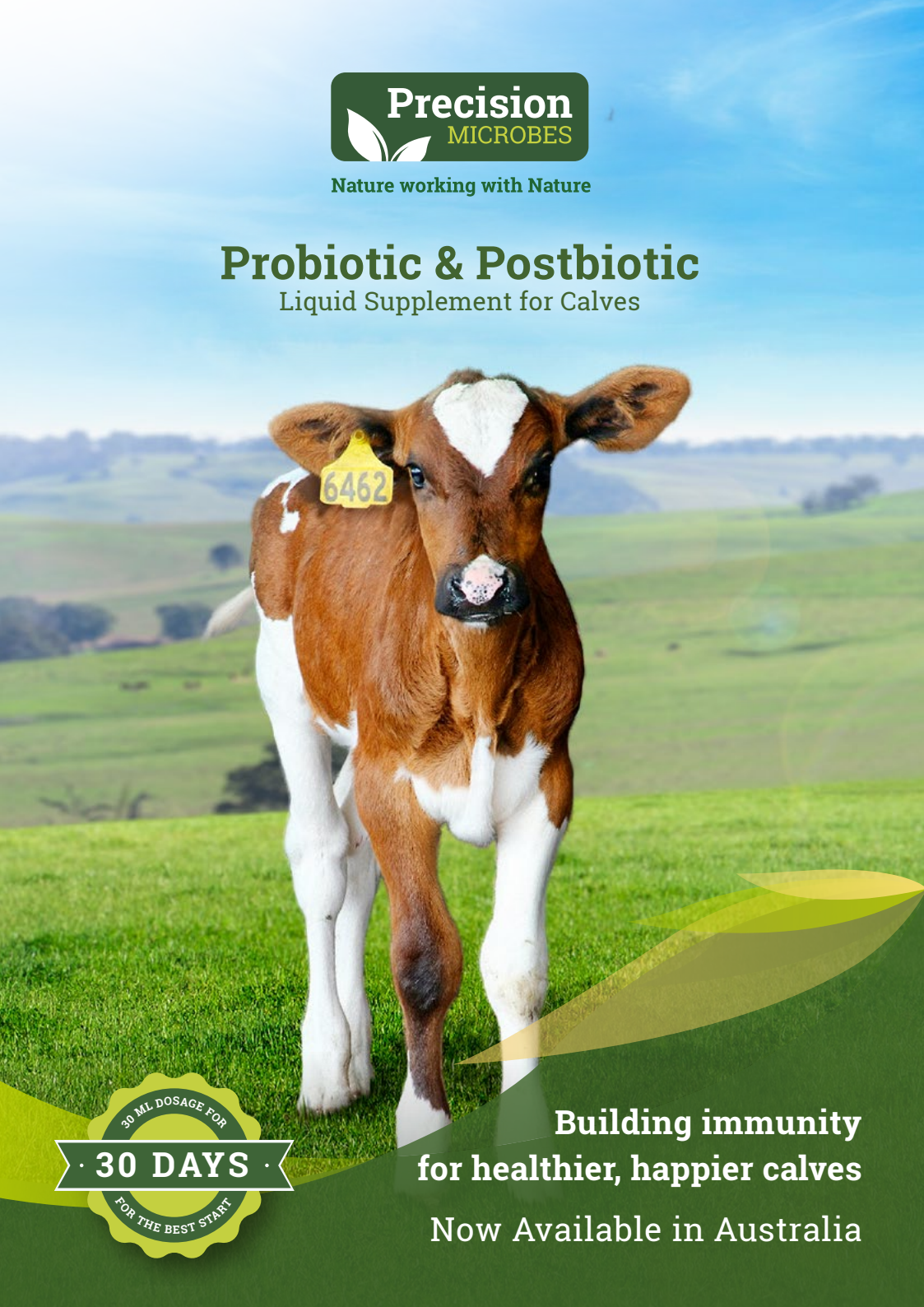
Precision MICROBES

Nature working with Nature

Probiotic & Postbiotic

Liquid Supplement for Calves



30 ML DOSAGE FOR
30 DAYS
FOR THE BEST START

Building immunity for healthier, happier calves

Now Available in Australia

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Introducing Precision Microbes

Precision Microbes is a microbiology company based in Dublin, Ireland, with decades of experience working with microbes and biome-based solutions for animals.

Precision Microbes liquid supplement is proven to reduce scours and improve the overall health and wellbeing of the next generation of valuable farm stock.

Probiotic & Postbiotic Liquid Supplement for calves

This liquid supplement is designed to boost the health and wellbeing of calves. It promotes optimal digestive health, nutrient absorption, and supports immune function for better health.

Composition

Precision Microbes Probiotic & Postbiotic Liquid Supplement is a carefully selected blend of beneficial bacterial strains and their postbiotic metabolites, produced by the fermentation of organic herbs and plant extracts.

"Precision Microbes directly targets gut health supporting a calf's immune system and overall performance."

30 ML ✓ 30 DAYS

FOR THE BEST START

When to feed Precision Microbes Liquid Supplement

Clinical trials show that calves thrive when supplemented with **Precision Microbes** from birth to weaning, supporting immunity through improved microbiome.

Results include;

- **Scour reduction**
- **Improved immunity**
- **Better growth rates**

Over 70% of immunity is gut based, so improved gut health links directly to improved immunity, and any incidence of scours will improve with Precision Microbes.

Why is Precision Microbes supplement different?

There are a number of key reasons why this Precision Microbes supplement is recommended by veterinarians and farmers:

LIQUID LIVE BACTERIA AND THEIR METABOLITES >>>>> FAST ACTING

This unique liquid contains live bacteria (controlled by pH) as well their metabolites or postbiotics - ensuring rapid action, unlike pastes and powders which contain freeze-dried bacteria.

This is the most effective format for administering microbes.

ACID-ADAPTED UNIQUE STRAINS >>>>> TARGETTED & EFFECTIVE

This supplement contains carefully selected beneficial bacteria which are acid adapted - allowing them to quickly find their way to the gut.

The specific blend of microbial strains ensures optimal impact on overall health.

HIGHLY PALATABLE >>>>> READILY CONSUMED

Calves love the taste of the Precision Microbes supplement in their food which helps picky eaters and ensures good intake. Maybe calves know what's good for them!

Why is it needed in calves?

The importance of gut health in optimal performance is widely accepted in human and animal medicine.

Most calves raised in commercial situations on milk or milk replacer will require some immune support to help counteract bacterial and viral loads and assists in rumen development.

The **Precision Microbes** supplement has been naturally created to assist developing digestive systems of young calves. When supported with Precision Microbes for 30 days after birth, calves have been proven to have far less incidence of scours. And those that do suffer are generally experiencing less severe symptoms.

Precision Microbes Probiotic & Postbiotic Liquid Supplement for Calves is designed to help calves recover from scours and gut issues faster.

For peace of mind, PM is a valuable tool in the calf raising program, optimising early life development.

What does it do?

Precision Microbes Probiotic & Postbiotic Liquid Supplement for Calves has been specifically developed to support better digestive health and help manage the challenges of calf rearing.

The unique formulation contains specially selected herbs to aid digestion, beneficial bacteria to support function/immunity.

Precision Microbes supplement helps to provide a better balance and diversity of good microbes, supporting better gut health, wellbeing, and growth.

Use with antibiotics: While most probiotics can be affected by antibiotics, our postbiotic metabolites are not. Anybody responsible for the feeding of calves on antibiotics, should consider using this **Precision Microbes** supplement before, during, and in the weeks after treatment.

Precision Microbes builds on best practice calf rearing

- Colostrum
- Hygiene
- Feeding
- Comfort
- Fresh air
- Space
- Water quality

PLUS Precision Microbes from birth to weaning...

- Reduces the severity of digestive upsets and scours in young calves
- Improves calf performance and growth rates
- Reduces sickness and support immunity in young calves
- Improves appetite
- Reduces incidence and severity of scours.
- Can be fed in conjunction with antibiotics or other medications.

Early life benefits

The benefits of optimal early life nutrition on the lifetime performance of dairy calves are widely accepted. Precision Microbes ensures that calves get the best start to life by boosting immunity and health in the pre-weaning phase.

The first 30 days of life present the most important opportunity to boost calf immunity with the use of Precision Microbes at 30ml/day into milk. Calves will also continue to benefit from use up until weaning.

Precision Microbes is also extremely effective when used at an increased dosage (60ml twice daily) for a short period to stabilise an acute scour challenge.

Dosage rates

Treating	Dosage rate	Duration
Long term usage	30ml daily from birth	For the first 30 days or up until weaning for optimal health
Gut stabilisation	60ml orally twice daily	3 days or until symptoms resolve

Can be easily added to milk and automatic feeders.

Pre, Pro & Post-biotics – What's the Difference?

This Precision Microbes supplement contains high numbers of live beneficial bacteria along with their postbiotic metabolites, in a unique liquid solution.

PREBIOTICS

These are feed for the bacteria like fibre. These prebiotics are fuel for the beneifical bacteria in the gut.

PROBIOTICS

These probiotics such as live beneficial bacteria found in Precision Microbes products, act like factories to ferment fibre and prebiotics to make metabolites.

POSTBIOTICS

These are the metabolites produced by the bacteria outside the body. These are the goods that support and benefit digestive function and immunity.

IMMUNE & GUT SUPPORT

Postbiotics are the beneficial metabolites delivered to the animals gut. These can be digestive enzymes, short chain fatty acids, bacterocins and other metabolites. These interactat cell level to improve digestive function, immunomodulation and help with competitive inhibition.

Ingredients

The formulation of this liquid feed supplement contains three critical components that aid function and speed of action.

Component	Function	Specific Ingredients
HERBAL BASE	Unique mix of aromatic herbal and plant extracts (phytochemicals) providing powerful digestive health properties as well as feedstock for probiotic microbes	100% organic ingredients, including cane molasses*, fenugreek, aniseed, fennel seeds, dried blossoms & leaves, liquorice root, peppermint, oregano and other certified organic ingredients
PROBIOTIC MICROBES	Carefully selected combination of live beneficial probiotic bacteria in a pH controlled dormant state, providing rapid speed of action and production of beneficial metabolites	Proprietary combination of bacterial microbes totaling at least 1.5 x 10 ^8 cfu/ml. All registered under QPS.
POSTBIOTIC METABOLITES	These compounds are produced by the live probiotic microbes during propagation and regulate cell function and the production of the protective mucous layer of the gut	Metabolites such as enzymes, Short chain fatty acids and vitamins

*Molasses is utilised during production and propagation of the microbes and very little remains in the final product.

• natural • safe • easy dosage • palatable

Testimonials

Kevin O'Hanlon, Dairy Farmer / Ballywilliam Co. Wexford

Kevin is the farm manager of 150 cow dairy farm in organic conversion. Like every farm, calf health was challenging, with scour and pneumonia being the two big challenges. While calf mortality was not an issue, it was the setbacks calves receive following an outbreak of scours that Kevin found the most frustrating.

Since starting Precision Microbes, feeding 30ml per calf per day right up to weaning, they have seen no disease issues in calves since and a very big improvement in calf health.

He is delighted with the results. Better calf performance and considerable improvements in calf health.

Shane McDermott, Dairy Farmer / Galway

The McDermott family have an ever expanding dairy farm. Shane has been the chief calf rearer for the last number of years. They were experiencing a lot of challenges, particularly with calf scour, and diarrheoa.

They started, like many farmers, using Precision Microbes to help calves recover from scour and diarrheoa. First using a dosage of 60ml daily orally for 5-7 days. (With very sick calves they would use 60ml twice daily for the first 3 days.) Seeing the product working well they went to long-term feeding of 30ml daily from birth across the farm.

The McDermotts' have seen a transformation in calf health since using Precision Microbes as part of their program. They are now confidently looking at building new calf facilities and focussed on continual improvement. It is inspiring to hear their story and his dedication to their calves introducing Precision Microbes.

watch the video

Peter Hynes, Dairy Farmer / Cork

"Feeding Precision Microbes long term from day 1 to weaning means we're ahead of the game."

Peter says "It ticks so many boxes for us. We"ve seen calves remain healthier, higher growth rates, higher and weaning weights". Peter goes onto say "We weighed calves at birth, again mid-way through their time on the milk feeder and again at weaning and we were seeing calves tripling birth weight".

Feeding Precision Microbes long term means "We were seeing a lot less of the vet, we"re not losing days performance and ultimately less antibiotics on farm".

"It"s a key tool for managing nutritional digestive upsets."

Elaine Hickey, Dairy Farmer / Westmeath

Elaine and Pat Hickey are dairy farmers in Co-Westmeath, they also have two farms in Roscommon. Elaine rears all the heifers on the home farm with a big interest in calf health.

She was very impressed at how effective PM was at helping calves recover from dietary upsets. They are now making PM part of their routine from birth to weaning and will be feeding it through the automatic calf feeder, in the milk.

"Cured scours within days...
We're delighted with the results."

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"All my calves are on Precision Microbes and we've had a vast improvement in calf health and well-being... reducing our reliance on antibiotics to reduce scours."

Tori Tuckett - Terang, Victoria.

FAQs

1. Why should I include this supplement in my rearing program?

All commercially rasied calves appreciate gut support. This supplement is a simple way to provide that support, by **naturally resetting and maintaining** the gut microbiome.

More specifically, Precision Microbes has also been shown to assist with challenges associated with feeding transition and calf scours.

2. How is this Precision Microbes supplement different to others?

As an easy-dose liquid containing live bacteria, this supplement is extremely **fast acting** when compared to probiotic pastes and powders which contain freeze dried bacteria.

The carefully selected strains of acid adapted bacteria ensure **optimal impact** and calves also find the supplement **highly palatable.**

3. How long do I use it for?

Precision Microbes supplement is recommended for all calves from birth, **30ml for 30 days.** Precision Microbes can also be used on an ongoing basis until weaning for optimal immune support.

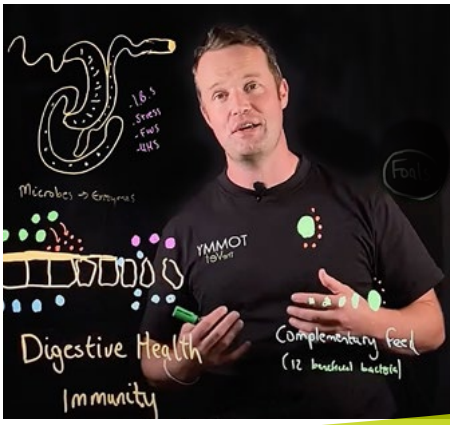
4. Do calves like the taste of this supplement?

Even fussy calves enjoy the taste of Precision Microbes, and it's therefore easy to include in your daily feed regime. Just add to milk each day.

"This is health from the inside out, by supporting better digestive health and function we can transform young calf health. I have been simply amazed by the results we have seen in calves. The feedback from vets and calf owners has been like nothing I've ever seen with any product in by twenty two year veterinary career.

Precision Microbes is a real game-changer in gut health."

Tommy Heffernan - Veterinary Consultant.



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Liquid Supplement for Calves

The World's Leading Animal Gut Supplement

Precision Microbes is a unique liquid, organically certified, and proven to build immunity for healthier and happier calves.

To find out more about Precision Microbes, please call **03 5568 1993** or 0427 560 293
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