

ENSURES A PROTECTIVE BARRIER IN THE GUT TO IMPROVE RESISTANCE TO COLONISATION OF PATHOGENIC BACTERIA

OUR PRODUCT QUALITY IS INDEPENDENTLY ASSURED



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SHEEP PRODUCTS



COLITOX®

IMMUNE PROTECTANT SUPPLEMENT WITH TRACE ELEMENTS, VITAMINS AND A PROBIOTIC



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IMMUNE PROTECTANT FOR NEWBORN LAMBS



COLITOX® is an immune protectant supplement for the newborn lamb. It provides a probiotic which is supplemented with trace elements, vitamins and an immediate energy source to ensure a healthy start.

Many thrift related issues for new born lambs arise from feeding in unhygienic environments.

COLITOX® contains an EU approved probiotic, *Enterococcus faecium*, which colonises the lambs gastrointestinal tract and helps combat pathogenic organisms. The addition of synergistically acting trace elements and vitamins provide the support a lamb needs to get the best start in life.



THE SCIENCE BEHIND PROBIOTICS

THE IMMUNE SYSTEM CAN BE DIVIDED INTO THREE MECHANISMS:

1. BARRIER
2. INNATE
3. ADAPTIVE

The newborn lamb relies on the barrier and innate immune systems for the first 14 days of life to protect against pathogens whilst the adaptive immunity builds.

Probiotics are naturally occurring microbes which are found in the GI tract of ruminants and are a critical component in the barrier immune system. Probiotics colonise the GI tract and outcompete potential pathogenic bacteria.

WATERY MOUTH

Many of the problems related to lamb health arise from the ingestion of pathogenic organisms. Watery Mouth is a common disease of neonatal lambs caused by the colonisation of the small intestine by *E. coli*.

Watery Mouth is most common in lambs between 6 and 48 hours old and can cause severe losses. Young lambs between 12 and 72 hours old can become dull and refuse to suckle and will deteriorate quickly with the affected lamb dying within hours.