

Agilis Updates

Amplimune

Mycobacterium species have been shown to be profound stimulants of the immune system. Many researchers have shown mycobacteria to be capable of fighting infections and malignancies. One drawback is that most of the organisms demonstrating this ability, are pathogenic.

The selection and enhancement of a non-pathogenic saprophytic mycobacterium (*Mycobacterium phlei*), together with proprietary growth and extraction techniques used by NovaVive, have produced a line of products (Amplimune®, Equimune® and Settle®) that have successfully avoided many of the side effects associated with other mycobacterial derived products.

Application of NovaVive MCWF immunotherapeutic technology has been shown to trigger a rapid and broad response to infection by stimulation of the innate and adaptive immunity. The NovaVive MCWF products were the first immunotherapeutic technologies approved by the United States Department of Agriculture (USDA), for use in animals.

The species *M. phlei* has been the preferred organism in the production of

biological products by NovaVive. This is because this soil-borne organism does not carry the *Mycobacterium bovis* (bTB) or *Mycobacterium avium* subsp. *paratuberculosis* (MAP) antigens, and therefore does not elicit a positive serological bTB or MAP reaction. As a result, the NovaVive MCWF technology can be used in food producing animals, with no risk of eliciting a false-positive reaction. MCWF has been demonstrated to interact with common signalling pathways used by different cell types of the immune system. MCWF activates macrophages and lymphocytes inducing and enhancing both cell mediated and humoral immune responses.

Amplimune® is an immunotherapeutic agent administered to aid in reducing mortality and severity of clinical signs associated with Enterotoxigenic E.coli K99* (F5) infection (ETEC) scours in

neonatal calves (from 24 hours after birth to 5 days of age).

Studies have shown that a single, 1ml intravenous (IV) dose of Amplimune can induce an immediate innate immune response in the neonatal calf.

Amplimune is available in 5 dose vials.

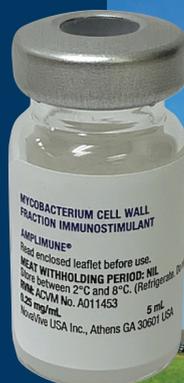
Amplimune is a product of the future, relying on stimulating the body's immune system, placing less reliance on antibiotics.

Work continues overseas to show benefits of Amplimune in other areas of cattle production.

Watch this space.

If you have any questions about our product range please phone your Agilis rep today.

0800 agilis



Pasteurisers

Coming from DairyTechnic out of Colorado in the USA, are batch processing pasteurisers that are essentially, precision low temperature heat treatment units.

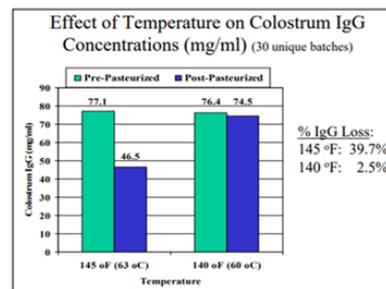
The benefits of heat treating your colostrum means diseases are less likely to be transmitted to young calves as pathogens are killed in the process, and the transfer of all-important immunoglobulins to the new-born calf is greatly improved. This leads to healthier calves through the rearing process, flowing on to healthier heifers entering the herd.

The heat-treating process is carefully controlled to ensure the temperature of colostrum reaches, but does not exceed 60 degrees centigrade. The 60 degrees is critical as any higher and the all-important immunoglobulins will be destroyed, and any lower the pathogens will persevere. REMEMBER: 60 degrees for 60 minutes! The common theme from previous installations is that calves have never been healthier and those that have gone with this technology, would not go back.

This is supported scientifically in a study published in the 'Journal of Dairy Science' whereby calves fed pasteurised colostrum

experienced higher levels of passive transfer which flowed onto healthier calves. Not only in the rearing process, but enabling more milk to be produced in the first two lactations.

This is the way of the future, join the revolution!



Gestavet GnRH and Gestavet Prost

Gestavet GnRH is a reproductive hormone; Gonadorelin (GnRH) in an injectable solution.

Gestavet PROST is a reproduction hormone; Cloprostenol also in an injectable solution.

A timely reminder about the Gestavet range. Gestavet GnRH and Gestavet Prost are guaranteed to arrive at your door in as pristine condition as when left the manufacturer due to a guaranteed cold chain from door to door.

The stringent cold chain ensures there is no chance of degradation of product due to temperature fluctuations in transit, due to extreme heat or cold at any stage of transport.

In this current Covid climate of product shipment delays, this is no small matter and a real benefit for the Gestavet

range. In addition, the potent additive D-cloprostenol provides a greater affinity for ovarian and uterine tissue than its racemic counterpart D L-cloprostenol. This therefore ensures less collateral side effects on other tissues in the body.

Regarding Gestavet Prost, the Levorotatory isomer L cloprostenol not only has no luteolytic effect, but also creates an esteric impediment in the receptors, impeding the action of the Dextrorotatory isomer. This results in a higher dosage needed when using D-L cloprostenol and leading to more

collateral effects because of action on other tissues, such as the intestines or vascular system etc...

Available in 100 ml bottles.



Agilis are pleased to announce that we will be fully taking over the distribution of the mineral bolus "Tracesure and Copasure" that Sirona Animal Health has previously bought to the NZ veterinary channel.

Placing orders will remain the same i.e. orders still placed at orders@agilis.nz, however all invoicing relating to these products, will now be met by our Agilis team.



Please contact our Agilis team today

Nadège Stoffel
Business Manager

T 027 218 8498
E nadega@agilis.nz

Sarah Harrison
Territory Manager
Marketing Coordinator

T 021 713 942
E sarah@agilis.nz

Ivan Holloway
Technical Veterinarian

T 027 405 1716
E ivan@agilis.nz

Tracy Hemmingway
Territory Manager
North Island

T 027 245 9301
E tracy@agilis.nz

Accounts
E accounts@agilis.nz

Orders
E orders@agilis.nz

0800 AGILIS | info@agilis.nz
www.agilis.nz

agilis