

Technology

Animal Health

Bovine Anti-Rotavirus IgY Antibodies – Bioinnovo IgY DNT



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INCUINTA

#calves | #bovine | #health | #IgY | #rotavirus | #diarrheas | #biological | #antibodies |

<https://www.argentina.gob.ar/inta/tecnologias/anticuerpos-igy-anti-rotavirus-bovino-bioinnovo-igy-dnt>

Neonatal diarrheas in artificial breeding systems are a clear phenomenon of an intensive dairy production system. Substantial losses are generated in the first stage of production, which are sometimes impossible to weigh since they are not only limited to calf mortality, but also to the impact of subclinical disease in the rest of the herd. These systems require efficient, standardized and effective management measures to prevent health issues, which are also sustainable in time and with low or zero impact on man and the environment. To date, the neonatal diarrhea problem in calves had a limited clinical approach. The use of antibiotics was and still is the fundamental treatment tool for cases, as well as vaccination of cows in calf and passive immunization transfer through colostrum.

The key notion is to provide high local concentrations of local specific antibodies against the main agents that cause neonatal calf diarrhea or NCD, in the GI tract and orally, continuously during the critical period or immunological window (passive immunization). BIOINNOVO has developed and adjusted a standardized, controlled and highly effective tool that introduces a practical and effective change in preventing NCD and a paradigm change in the management of high value replacement calves in their first weeks. This first biological product to prevent and treat neonatal calf diarrhea is highly effective against the agents that cause diarrhea: Rotavirus A., Coronavirus, E. Coli and Salmonella. It is not an antibiotic. It reduces the need for antibiotics, favoring its useful life. It does not produce antimicrobial resistance since it is based on specific polyclonal antibodies. Used in treating diarrhea cases and as preventive treatment incorporated in routine calf management. Additionally, it favors GI health, improving general herd condition.

High efficacy against pathogenic agents, as per design, measured in the field.

Two different dose formats according to farm needs.

Excellent complement to the calf management and health measures in every farm for this category of animals.

Lower incidence and severity of symptoms and mortality.

Significant reduction of colonization of mucus by pathogens, which benefits gastrointestinal health.

Easy to administer and can be stored at room temperature (no cold storage required).

Its use does not induce antimicrobial resistance, contrary to antibiotics.

Environmental microbial load reduction since it reduces diarrhea duration and severity. Additionally, it reduces the viral load in faeces (main source of dissemination).

Weight loss reduction by reducing clinical conditions and subclinical effects of the disease.

Less use of antibiotics.

Nutritional supplement of excellent quality.

Transferred Product

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LICENSEE/MARKETING COMPANY: Vetanco

Company in charge of disseminating the commercialization of this product: INTeA.

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