

# Bovine IgG

## Colostrum 200™

### WHOLE BOVINE COLOSTRUM

The gold standard of colostrum replacement

- ▲ Made from whole bovine colostrum; not fractionated or reconstructed from components.
- ▲ High in growth and natural antimicrobial factors.

#### HIGH IMMUNITY

- ▲ IgG's readily absorbed for maximum immune protection.
- ▲ An excellent source of IgG with over 85% in the form of IgG1. The antibody most effective in providing local immunity and reducing disease associated with failure of passive transfer.
- ▲ Broad spectrum of antibodies, growth factors and nutrients needed to improve calf survival, health, growth, and long-term performance.

#### HIGH IN COLOSTRAL FAT

- ▲ An important energy source required by calves immediately after birth, which assists with thermoregulation.

#### SAFE AND EFFECTIVE

- ▲ Free of pathogens that cause the following diseases: Tuberculosis, Brucellosis, Leukosis, Paratuberculosis (causing Johne's disease), Salmonellosis, E. coli infection, others.
- ▲ USDA Veterinary Biologics license for use as a total replacement for maternal colostrum in calves.

#### CONVENIENT

- ▲ Easily mixes in under 15 seconds
- ▲ 3-year shelf life



# Bovine IgG Colostrum 200™



## INDICATIONS

- ▲ Colostrum 200 is the one-step solution for calves needing complete colostrum replacement, providing 200g IgG in one dose.
- ▲ Rich in colostral fat, a critical early source of energy for newborn calves.
- ▲ May be used to supplement or completely replace maternal colostrum.
- ▲ Made from whole bovine colostrum; not fractionated or reconstructed from components.
- ▲ An excellent source of IgG (over 85% in the form of IgG1), growth factors, and nutrients needed to improve calf survival, health, growth, and long term performance.

## KEYS TO SUCCESSFUL COLOSTRUM MANAGEMENT

### QUICKLY

- ▲ 1st feeding as soon as possible after birth, ideally within 2 hours.
- ▲ 2nd feeding within the next 6 - 8 hours to assure 2 feedings within 12 hours.  
*Calves have an immature immune system and limited energy reserves at birth. Colostrum gives them immunity and energy to adapt to the environment. The sooner after birth the bottle is offered, the more likely they are to suckle.*

### QUALITY

- ▲ Feed excellent quality colostrum containing minimally 50 g IgG / L.
- ▲ Test for quality using an optical or digital Brix % refractometer with a 0-32% scale.

Maternal colostrum quality (% Brix)	Replace or Supplement?
< 22 <b>POOR</b>	Complete replacement
22-24 <b>ADEQUATE</b>	Supplement maternal colostrum
25-30 <b>GOOD</b>	Supplement if excellent results are desired
> 30 <b>EXCELLENT</b>	No need to supplement maternal colostrum

### QUANTITY

- ▲ Adequate = 2 - 3L (150g IgG)
- ▲ Excellent = 3 - 4L (200 - 300g IgG)

Feed 10% of the calf's body weight as a 1st feeding (40 kg calf = 4L).

*If tube fed, a minimal volume of 3L should be fed. With tubing, colostrum goes in the rumen first and not directly into the abomasum as when fed by bottle. The rumen has a capacity of 2 liters and an extra liter allows for overflow into the abomasum to start passive transfer of antibodies into the bloodstream.*

To completely replace maternal colostrum with Colostrum 200™			
Number of bags	Amount IgG Fed	Amount of Water	Avg Calf Serum IgG
1 (750 g)	200 g	10 cups	17.2 g/L

INGREDIENTS	
Bovine Colostrum	

TYPICAL ANALYSIS (PER BAG)	
Bovine IgG	26.6% (200 g)
Crude Protein	58%
Crude Fat	14%

IMPORTANT PRODUCT FACTS (750g BAG)	
Product code	X0112
UPC code	892899000649
Quantity Per Bag	750 grams (26.5 oz)
Quantity Per Case	12 bags
Quantity Per Pallet	45 cases or 540 bags