Bovine IgG
Calf's Choice Total® HiCal

WHOLE BOVINE COLOSTRUM
Immunity with a boost of energy

Made from whole bovine colostrum. No blood, whey, egg or other ingredients not naturally found in maternal colostrum.

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 and nutrients that are needed to establish a healthy, strong start after birth.

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

ENHANCED
INSTANT MIX

Alta
Create Value ▲ Build Trust ▲ Deliver Results

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INDICATIONS

▲ Calf's Choice Total® HiCal not only provides calves with the immunity they need, it's also very high in natural colostral fat and is intended for calves requiring extra energy to get up, drink, stay warm and stay alive.

▲ It can be used to supplement or completely replace maternal colostrum.

▲ Made from whole bovine colostrum. No blood, whey, egg or other ingredients not naturally found in maternal colostrum.

▲ Excellent source of IgG (over 85% in the form of IgG1), colostral fat, and nutrients needed to establish a healthy start and maximize immunity.

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 - 18 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 quality using an optical or digital Brix % refractometer with a 0-32% scale.

Maternal colostrum quality (% Brix)		Replace or Enrich?
< 22%	**POOR**	Complete replacement
22-24%	**FAIR**	Enrich *(ask your Alta rep for an enrichment chart)*
25-30%	**GOOD**	
> 30%	**EXCELLENT**	No need to enrich maternal colostrum

QUANTITY

▲ Adequate: 2-3 L | 150 g of IgG

▲ Excellent: 3-4 L | 200 - 300 g of 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 CCT HiCal			
Amount of Powder	Amount IgG Fed	Amount of Water	Avg Calf Serum IgG
2 bags or 6.7 scoops (1400 g)	200 g	10 cups	14.5 g/L

INGREDIENTS
Bovine Colostrum

TYPICAL ANALYSIS (PER BAG)	
Bovine IgG	14.2% (100 g)
Crude Protein	43%
Crude Fat	24%

IMPORTANT PRODUCT FACTS (700g BAG)	
Product code	X0025
Quantity Per Bag	700 grams (25 oz)
Quantity Per Case	14 bags
Quantity Per Pallet	45 cases or 630 bags

IMPORTANT PRODUCT FACTS (37 LB PAIL)	
Product code	X0105
Quantity Per Pail	37 lb
Quantity Per Pallet	27 pails
Scoops Per Pail	approx. 80 scoops
Replacer Feedings / Pail	12 - 200 g feedings

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