

# FINALLY! AN ACTUAL COLOSTRUM FOR ORGANIC USE.

PureStart™ Colostrum

**NEW!**



Order your PureStart colostrum today, and receive a 10% discount when you reference the WODPA Conference! Call 866-785-9798 or visit <http://us.altagenetics.com/purestart>

# PureStart™ Colostrum

All natural bovine colostrum  
**OMRI Listed for use in organic herds**



## OMRI Listed

- ◆ PureStart™ is the only colostrum product on the market that is OMRI Listed for organic use.

## Natural Bovine Colostrum

- ◆ PureStart™ is made only from natural, premium quality bovine colostrum. It is an excellent source of IgG (over 85% in the form of IgG1), colostrum fat, growth factors, and nutrients needed to improve calf survival, health, growth, and long term performance.
- ◆ PureStart™ is not a manufactured formula based on blood serum, whey, eggs, vegetable fats or other ingredients not naturally found in colostrum.

## High Immunity

- ◆ IgG molecules are readily absorbed for maximum immune protection.
- ◆ > 85% IgG1 - The antibody most effective in protecting calves against diarrhea and pneumonia.

- ◆ Broad spectrum of antibodies with demonstrated efficacy in 3 continents.

## High in Colostral Fat

- ◆ An important energy source required by calves immediately after birth.

## Safe and Effective

- ◆ USDA Veterinary Biologics licensed for use as a total replacement for maternal colostrum in calves as an aid in the treatment of failure of passive transfer.
- ◆ Free of disease causing agents, such as: Tuberculosis, Brucellosis, Leucosis, Paratuberculosis (causing Johne's disease), Salmonella, E. coli and others.
- ◆ Each serial is tested in calves for safety and efficacy.

## Convenient

- ◆ Easily mixes in under 15 seconds!
- ◆ 3-year shelf life.

## INDICATIONS

- ◆ PureStart™ not only provides calves with the immunity they need, it's also very high in natural colostrum fat and is intended for calves requiring extra energy to get up, suckle, stay warm and stay alive.

## FEEDING RECOMMENDATIONS

- ◆ The Dairy Calf and Heifer Association recommends feeding "colostrum equaling 10% of body weight [about 4 quarts for most Holstein calves] in the first 2 hours of life with target serum IgG of >10 mg/mL and total protein of >5.2 g/d L."
- ◆ In a calf feeding study filed with the Center for Veterinary Biologics of the USDA, calves fed 2 bags of PureStart™ achieved average serum IgG levels of 14.5 mg/mL and average serum total protein levels of 5.4 g/dL. These levels were achieved when completely replacing maternal colostrum with PureStart™.
- ◆ PureStart™ may be used to supplement or completely replace maternal colostrum. To achieve a replacement dose, feed a minimum of 100g IgG and newer industry standards suggest 150-200g IgG for optimal calf performance. If supplementing, feed a minimum of 50-100 g IgG in addition to sufficient maternal colostrum to target a similar overall mass of IgG.

### INGREDIENTS

Bovine Colostrum

### TYPICAL ANALYSIS (PER BAG)

Bovine IgG	(105 g) 15 %
Crude Protein	48 %
Crude Fat	20 %
Reconstituted Volume	63 oz / 2 qt / 7.8 cups

### IMPORTANT PRODUCT FACTS (700 g BAG)

Product Code	X0025
Quantity Per Bag	700 grams (25 oz)
Quantity Per Case	15 bags
Quantity Per Pallet	45 cases or 675 bags

### To Completely Replace Maternal Colostrum (BAG)

Choose the feeding level that achieves the desired levels of immunity for your calves.

Number of Bags	Amount IgG Fed	Amount of Water	Final Volume	Avg Calf Serum IgG	Passive Transfer Status (serum IgG)
1 (25 oz)	100	5 cups	2 qt	10.0 g/L	Adequate (>10 g/L)
1½ (37 oz)	150	7.5 cups	3 qt	13.8 g/L	Adequate (>10 g/L)
2 (49 oz)	200	10 cups	3.9 qt	14.5 g/L	Excellent (>14 g/L)

### To Supplement Maternal Colostrum (BAG)

Feed in addition to available maternal colostrum.

Number of bags	Amount IgG Fed	Amount of Water	Final Volume
½ (12 oz)	50	2.5 cups	1 qt
1 (25 oz)	100	5 cups	2 qt