

# Bovine IgG

## PureStart™ Colostrum



### OMRI LISTED FOR USE IN ORGANIC HERDS

#### OMRI LISTED

- ▲ PureStart™ is the only USDA APHIS licensed veterinary biologic bovine IgG colostrum product on the market that is OMRI listed for organic use. *Product Code #skt-7351. See [www.omri.org](http://www.omri.org) for more information on OMRI listed products.*

#### NATURAL BOVINE COLOSTRUM

- ▲ PureStart™ is made only from natural, premium quality bovine colostrum. It is an excellent source of IgG, colostral 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 providing local immunity and to reduce disease associated with failure of passive transfer.
- ▲ Broad spectrum of antibodies with demonstrated efficacy in 4 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 agents causing disease such as : Tuberculosis, Brucellosis, Leucosis, Paratuberculosis (causing Johne's disease), Salmonellosis, E. coli infection and others.
- ▲ Each serial is tested in calves for safety and efficacy.

#### CONVENIENT

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



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## PureStart™ Colostrum

### 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.
- ▲ May be used to enrich or completely replace maternal colostrum.
- ▲ Made from whole bovine colostrum; not skimmed or reconstructed from components.
- ▲ 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.

### 3 Q'S OF COLOSTRUM MANAGEMENT

#### QUICKLY

- ▲ 1<sup>ST</sup> FEEDING as soon as possible after birth ideally within 1-2 hours
- ▲ 2<sup>ND</sup> FEEDING within the next 8 hours to assure 2 feedings within 12 hours

#### QUALITY

- ▲ Test for quality using an optical or digital % Brix refractometer:

Maternal colostrum quality (% Brix)		Replace or Enrich?
POOR	< 22	Complete Replacement
ADEQUATE	22-25	Enrich
GOOD	25-30	Enrich if excellent results are desired
EXCELLENT	> 30	No need to enrich maternal colostrum

#### QUANTITY

- ▲ Feed 10% of the calf's body weight as a first feeding

TO COMPLETELY REPLACE MATERNAL COLOSTRUM			
Choose the feeding level that achieves the desired levels of immunity for your calves.			
Amount of Powder	Amount IgG Fed	Amount of Water	Avg Calf Serum IgG
2 bags (1400 g)	200 g	10 cups	14.5 g/L

ENRICHMENT GUIDE										
Grams of powder to add for desired colostrum Brix % (1L)										
Maternal Colostrum Brix Level (1L)	Brix	22%	23%	24%	25%	26%	27%	28%	29%	30%
	16%	90g	105g	120g	135g	150g	165g	180g	195g	210g
	17%	75g	90g	105g	120g	135g	150g	165g	180g	195g
	18%	60g	75g	90g	105g	120g	135g	150g	165g	180g
	19%	45g	60g	75g	90g	105g	120g	135g	150g	165g
	20%	30g	45g	60g	75g	90g	105g	120g	135g	150g
	21%	15g	30g	45g	60g	75g	90g	105g	120g	135g
	22%	0g	15g	30g	45g	60g	75g	90g	105g	120g
	23%	-	0g	15g	30g	45g	60g	75g	90g	105g
	24%	-	-	0g	15g	30g	45g	60g	75g	90g
	25%	-	-	-	0g	15g	30g	45g	60g	75g
	26%	-	-	-	-	0g	15g	30g	45g	60g
27%	-	-	-	-	-	0g	15g	30g	45g	
28%	-	-	-	-	-	-	0g	15g	30g	
29%	-	-	-	-	-	-	-	0g	15g	
30%	-	-	-	-	-	-	-	-	0g	



INGREDIENTS	
Bovine Colostrum	

TYPICAL ANALYSIS (PER BAG)	
Bovine IgG	(100 g) 14.3%
Crude Protein	48%
Crude Fat	23%

IMPORTANT PRODUCT FACTS (700g BAG)	
Product code	X0097
UPC code	892899000533
Quantity Per Bag	700 grams
Quantity Per Case	15 bags
Quantity Per Pallet	45 cases or 675 bags

TO ENRICH MATERNAL COLOSTRUM (BAG)		
Feed in addition to available maternal colostrum.		
Number of bags	Amount IgG Fed	Amount of Water
½ (350g)	50g	2.5 cups
1 (700g)	100g	5 cups
1 ½ (1050g)	150g	7.5 cups

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