

COLOSTRUM

Bovine Colostrum Powder

□ DESCRIPTION

Bovine colostrum powder is produced from pure bovine colostrum collected from controlled, healthy Grade A dairy herds. The colostrum is pooled, concentrated, and gently spray dried to maintain immunoglobulin and antibody activity.

□ APPLICATIONS

Colostrum is a natural food ingredient with excellent nutritional and health enhancing benefits. It is an ideal choice for various food, sports, and nutraceutical products for athletes and individuals seeking a healthy and balanced diet.

□ BENEFITS OF COLOSTRUM

- Contains a balanced mix of immunoglobulins, proteins, and vitamins.
- Supports muscle and tissue growth.¹
- Assists immune system functions.²
- Helps protect the gastrointestinal tract against stomach cancers³ and ulcers.⁴
- Source of a broad spectrum of immune factors, which provide natural protection against diseases.
- Highly concentrated products available.
- Low fat products available.

□ TECHNICAL SERVICES AND R&D

Vitalus's technical staff provides customers with on-site research, applications assistance, and new product development.

□ QUALITY ASSURANCE

Vitalus's QA/QC departments closely monitor and ensure the superior quality of our products. Our plants are HACCP certified and follow good manufacturing practices.

References:

1. Mero, A., et.al. 1997. Effects of bovine colostrum supplementation on serum IGF-1, IgG, hormone, and saliva IgA during training. *Journal of American Physiology*. 1144-1151.
2. Stephan, W, H. Dichtelmuller & R. Lissner. 1990. Antibodies from Colstrum in Oral Immunotherapy. *J. Clin. Chem. Clin. Biochem.* Vol. 28. 19-23-
3. Masuda, C, et al. 2000. Chemopreventive Effects of Bovine Lactoferrin on N-Butyl-N-(4-hydroxybutyl)nitrosamine-induced Rat Bladder Carcinogenesis. *Jpn. J. Cancer Res.* Vol. 91. 582-588.
4. Playford, R.J., et.al., 2000. Colostrum and milk-derived peptide growth factors for the treatment of gastrointestinal disorders. *Am. J. Clin. Nutrition.* Vol. 72(1): 5-14.