

INPRO 90 PLUS

90% Whey Protein Isolate

□ DESCRIPTION

INPRO 90 PLUS is a whey protein isolate manufactured using gentle cross-flow microfiltration and ultrafiltration techniques. INPRO 90 PLUS contains higher concentrations of IgG and lactoferrin than other whey protein isolate powders. It is ideal for health supplements, functional foods and drinks, infant formulas, sports products, and clinical nutrition applications where immune enhancing physiological effects are desired.

□ APPLICATIONS

This high performance, completely natural protein product, offers nutritional, biological, and functional advantages. INPRO 90 PLUS is a reliable source of high quality and biologically active proteins, carbohydrates, and minerals. INPRO 90 PLUS is ideal for various foods and a range of sports, health, and fitness products requiring protein fortification. It is specifically suited for nutraceutical products designed to deliver immune enhancing properties.

□ BENEFITS OF INPRO 90 PLUS

Whey proteins are easily digested and contain all the essential amino acids. Individual whey proteins contain a variety of functional and nutritional attributes, which are related to the structure and biological functions of these proteins.

Several physiological roles have been outlined for whey proteins. The components of whey provide: 1) high quality amino acids; 2) growth enhancement of beneficial gut microflora, such as bifidobacteria; 3) control of specific diseases and cancer; 4) antitoxin activity; 5) anti-microbial action; and 6) immuno-enhancing properties.

Research studies have demonstrated that whey proteins enhance non-specific and specific immune responses. An important feature of whey proteins is their high concentration of cysteine, which is thought to be rate limiting for glutathione (GSH) synthesis. This GSH-modulating effect is believed to underlie both immuno-enhancing and antioxidant effects.

Individual whey protein fractions, such as lactoferrin and IgG, have the ability to modulate immune functions and responses.

The properties of lactoferrin relate to its iron binding activity. Lactoferrin contributes to the defense against pathogens by activation of cells involved in the anti-inflammatory response during the course of infection. Other functional characteristics of lactoferrin include: 1) antimicrobial activity; 2) iron transportation and absorption; and 3) antioxidant activity.

Immunoglobulins are well recognized to provide disease protection to newborns through passive immunity. Further evidence suggests that immunoglobulins may also have a role in disease control in adults. Immunoglobulin G (IgG) is the principal antibody found in colostrum.

INPRO 90 PLUS is guaranteed to contain a minimum of 2% IgG, and a minimum of 1% lactoferrin. The concentration and activity of these protein fractions are measured using state of the art techniques.