

PC IgG



PC

Be Well Stay Well Age Well

*PC IgG represents a breakthrough in immunoglobulin supplementation. It is a highly concentrated, non-dairy source of serum-derived immunoglobulin antibodies and immunoproteins. It possesses three times more immunoglobulin G (IgG) and total immunoglobulins than colostrum and has twice as much cysteine, an important amino acid for maintaining glutathione levels. Compared to colostrum alone, IgG 2000 DF delivers 15 times the level of transferrin and lactoferrin.**

All Phillips Clinic Formulas Meet or Exceed cGMP Quality Standards

Clinical Applications

- Provides Immune Support (including during chemotherapy, strenuous physical activity)*^[1,2]
- Binds and Neutralizes Foreign Microbes in the Gut*^[3,4,5]
- Reduces G.I. Inflammation^[8,9,11] / Lessens Gut Permeability*^[6]
- Supports Lean Muscle Mass*^[7,12]
- Supports Healthy Cholesterol Level*^[15]

Phillips Clinic
5970C S. Rainbow Blvd., Ste. 100
Las Vegas, NV 89118-2540
(702) 363-4000
PhillipsClinicLV.com

Discussion

The basic functions of immunoglobulins are the neutralization and opsonization of harmful microbes. Unlike antibiotics, they allow the immune system to differentiate foreign microbes from the body's normal microflora.*

The transfer of immunity through oral supplementation is a natural, logical and effective process for obtaining immunity. In adults, the concentration of immunoglobulin in the digestive tract and on mucosal surfaces predicts the risk of infection.*

Almost 80% of all foreign microbes enter the body either through mucosal tissue or stay localized on mucosal surfaces. Each day, the G.I. tract immune cells produce about five grams of immunoglobulins. However, during times of stress, there is significantly reduced secretion. Supplemental immunoglobulins act first in the intestinal tract to eliminate or inhibit the proliferation of disease-causing organisms and toxins. This reduces the stimulation of the immune response in the gut so that the body's resources can be redirected toward challenges elsewhere.*

Many of the studies on immunoglobulins involving immune challenge have been animal rather than human studies because of the expense and difficulty using human subjects. Studies have shown oral immuno-protein supplementation restores appetite,^[7] supports the body's healthy response to inflammation^[8,9,11] and promotes improved protein metabolism under immunological stress.^[10,13] Oral supplementation has been shown to preserve gut wall integrity and provide intestinal humoral immunity.^[6] Extrapolated data from a human clinical trial on intestinal health demonstrated sufferers could experience 35 extra symptom-free days annually.*^[14]

Transferrin, a family of iron-binding, bacteriostatic proteins, regulate and reduce the amount of free iron available to the invading foreign microbes.*

Growth Factors, in proper combination, are thought to play an important role in digestive health and nutrient utilization. Those in PC IgG are similar to the level and balance found in healthy individuals. TGF- β and IGF-I are involved in the restitution of cells damaged in the digestive tract. An increase in the level of IGF-I in serum has been associated with increases in lean tissue mass and greater protein efficiency.^[13] TGF- β is known to stimulate the secretion of IgA.*

***These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.**

PC IgG



Supplement Facts

Serving Size: 2 Capsules
Servings Per Container: 60

	Amount Per Serving	%DV
PC IgG (serum-derived immunoglobulin concentrate providing IgG, IgA, IgM, IgE, IgD. Also provides transferrins, IGF-1 and TGFβ-1)	1.25 g	**
Immunoglobulin G (IgG) (from PC IgG)	562.5 mg	**

** Daily Value (DV) not established.

Other Ingredients: HPMC (capsule), vegetable stearic acid, vegetable magnesium stearate, and silica.

PC IgG Capsules Directions

Take two capsules twice daily, or as directed by your healthcare practitioner.

Children and pregnant or lactating women should consult their healthcare practitioner prior to use. Do not use if tamper seal is damaged.

References

1. Ungar, BLP, Ward, DJ, Fayer, R, Quinn, CA. Cessation of Cryptosporidium-associated diarrhea in an acquire immunodeficiency syndrome patient after treatment with hyperimmune bovine colostrum. *Gastroenterol.* 1990;98: 486
2. Weiner, C, Pan, Q, Hurtig, M, Boren, T, Boswick, E, Hammarstrom, L. Passive immunity against human pathogens using bovine antibodies. *Clin Exp. Immunol.* 116:193-205
3. Hammarstrom V, Smith CI, Hammarstrom L. Oral immunoglobulin treatment in Campylobacter jejuni enteritis. *The Lancet* 1993; 341:1036
4. Korhonen H, Syvaaja EL, Aloha-Luttila H et al. Bactericidal effect of bovine normal and immune serum, colostrums and milk against Heliobacter pylori. *J Appl Bacteriol.* 1995;78:655-662
5. Bacteriostasis of Escherichia coli by bovine lactoferrin, transferring and immunoglobulins (IgG1, IgG2, IgM) acting alone or in combination. *Vet. Microbiol.* 1986;11:103-15
6. Dickinson EC, Gorga JC, Garrett M et al. Immunoglobulin A supplementation abrogates bacterial translocation and preserves the architecture of the intestinal epithelium. *Surgery* 1998;124:284-90
7. Kats LJ, Nelssen JL, Tokach MD, Goodband RD, Hansen JA, Laurin JL. The effect of spray-dried porcine plasma on growth performance in the early-weaned pig. *J anim.Sci* 1994;72:2075-81.
8. Tjellstrom B, Stenhannar L, Magnusson KE, Sundqvist T. Oral Immunoglobulin treatment in Crohn's Disease. *Acta Pediatr* 1997;86:221-3
9. Peirce, JL, et al. Spray dried plasma protein globulin for early weaned pigs. *J animal Sci* 74 (Supp 1):258
10. Thompson JE, et al. Effect pf spray-dried porcine plasma protein on feed intake, growth rate and efficiency of gain in mice. *J Anim Sci* 1994;72:2960-5
11. Wolf HM, Eibl MM. The anti-inflammatory effect of an oral immunoglobulin (IgA-IgG) preparation and its possible relevance for the prevention of necrotizing enterocolitis. *Acta Pediatr Supple* 1994:396:37-40
12. Antonio J, Sanders MS, Van Gammeren D. The effects of bovine colostrum supplementation on body composition and exercise performance in active men and women. *Nutrition* 2001. Mar;17(3):243-7
13. Jiang R, Chang X, Stoll B, et al. Dietary plasma protein is used more efficiently than extruded soy protein for lean tissue growth in early-weaned pigs. *J Nutr* 2000;130:2016-9
14. Weaver et al., The Effects of Bovine Ig Isolate on Diarrhea-Predominant Irritable Bowel Syndrome in a Double-Blind Placebo Controlled Clinical Trial. Unpublished . 2005.
15. Earnest C, Weaver, E. The Effect of bovine serum immunoglobulin on cholesterol indices in participants with hypercholesterolemia. *Am J clin Nutr* 2005;81:4 p 792

Does Not Contain

Wheat, gluten, corn, yeast, soy, dairy products, fish, shellfish, peanuts, tree nuts, egg, artificial colors, artificial sweeteners, or preservatives.

***These statements have not been evaluated by the Food and Drug Administration. This product is not intended to diagnose, treat, cure, or prevent any disease.**

