

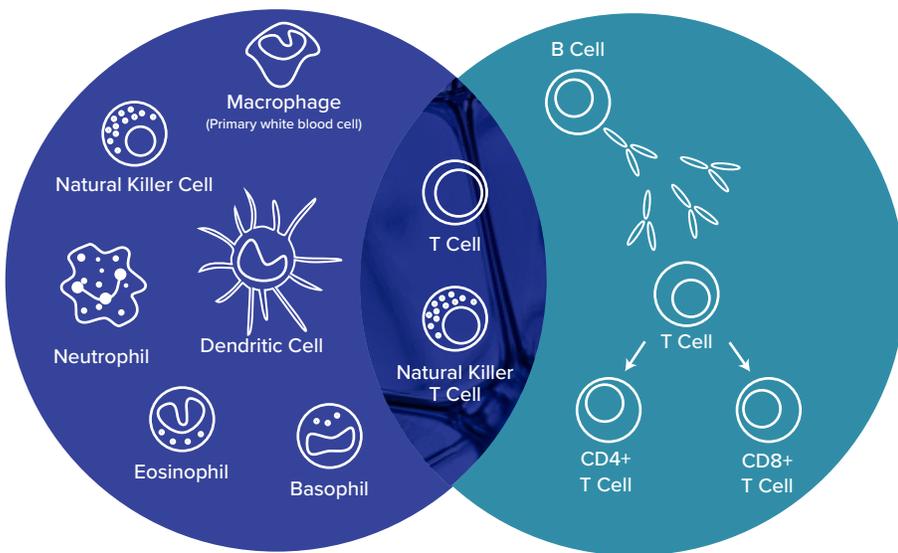
MEGAMUNE™



MegaMune™ is a triple action formula that can help maintain a healthy immune response for any time of year. This daily supplement supports the immune system with some of its most basic, yet vital, functions like immune surveillance, and other aspects of a healthy immune response. Plus, MegaMune™ ingredients have antioxidant properties and help diversify the gut microbiome – otherwise known as the master control center of overall human health.**



Innate Immunity vs Adaptive Immunity:



SUPPLEMENT FACTS

Serving Size 3 Capsules
Servings Per Container 30

Amount Per Serving	% Daily Value
Zinc (as zinc bisglycinate)	15 mg 136%
Selenium (as selenomethionine)	200 mcg 364%
Dried Yeast Fermentate (Saccharomyces cerevisiae) (EpiCor®)	500 mg †
Green Tea Leaf extract (50% EGCG)	400 mg †
Organic Pomegranate extract (fruit) (Pomanox®)	300 mg †
Echinacea Purpurea extract (aerial parts)	250 mg †
Broccoli Seed extract (Brassica oleracea) (TrueBroc®)	200 mg †
Cranberry Fruit extract (Vaccinium macrocarpon) (Urophenol)	200 mg †

† Daily values not established.

Other Ingredients: Cellulose and vegetable capsule (cellulose and water).

DOSING:

Ages 12+: Take 3 capsules daily with or without food, or as directed by your healthcare practitioner. Children under 12 years of age, please consult with your healthcare practitioner.

The immune system operates with two arms: the innate and adaptive branches. The innate immune response is rapid and can occur within 4 hours of immune activation. However, innate immune reactions are not very specific and can affect our own tissue in the body! MegaMune™ is formulated with immune soothing ingredients to help maintain a healthy immune response.** For example, green tea extract promotes T-regulatory cells that help calm and balance the immune system.⁸ Other synergistic ingredients like selenium, sulforaphane, cranberry polyphenols, and pomegranate polyphenols can support the body's natural detoxification process.⁹⁻¹²



The adaptive immune response, on the other hand, is slower to respond. However, when it is activated, it is extremely precise and thus much gentler on host tissues. MegaMune™ supports the adaptive immune response by promoting T-helper cell production, such as CD4+ and CD8+ cells.**

The key to maintaining a healthy immune response is dictated by the gut microbiome which helps balance both adaptive and innate immunity. In fact, the gut is home to about 70% of immune cells and acts as the mother board of the entire immune system. The combination of green tea extract and fruit polyphenols were added to MegaMune™ in order to enhance microbial diversity within the powerful gut microbiome.**

MegaMune™ provides robust immune support that targets the immune system both on the cellular level and within the microbiome to provide a solid immune foundation.** Take MegaMune™ any time of the year to keep your body vibrant and strong no matter what the outside world throws at you!

****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.**

MEGAMUNE™ BROCHURE | NOVEMBER 2020

ZINC (AS ZINC BISGLYCINATE)

SURVEILLANCE + CONTAINMENT

Supports T lymphocyte activation, IgG production, and macrophage function^{1,2}

SELENIUM (AS SELENOMETHIONINE)

CONTAINMENT + DETOXIFICATION

Antioxidant properties; Supports T helper cells³

ECHINACEA PURPUREA EXTRACT (4% PHENOLS)

ACTIVATION

Supports white blood cells⁴

DRIED YEAST FERMENTATE (SACCHAROMYCES CEREVISIAE) (EPICOR®)

ELIMINATION

Antioxidant properties; Supports secretory IgA and NK cells⁵⁻⁷

GREEN TEA EXTRACT

(98% TOTAL POLYPHENOLS, 80% TOTAL CATECHINS, 50% EGCG)

ELIMINATION + DETOXIFICATION

Antioxidant properties; Supports Treg cells and NK cells⁸

BROCCOLI SEED EXTRACT (BRASSICA OLERACEA) (TRUEBROC®)

ELIMINATION + DETOXIFICATION

Antioxidant properties; Supports NK cell and B cell formation; Inhibits inflammatory NF-κB cascades; Supports Phase II detoxification pathways⁹

UROPHENOL® CRANBERRY EXTRACT (15% BL-DMAC)

DETOXIFICATION

Antioxidant properties; Supports microbial diversity^{10,11}

POMANOX® POMEGRANATE EXTRACT

(30% PUNICALAGINS (A+B) 8% ELLAGIC ACID)

DETOXIFICATION

Antioxidant properties; Supports microbial diversity and mitophagy¹²

1. Reksuppaphol S, et al. A randomized controlled trial of zinc supplementation in the treatment of acute respiratory tract infection in Thai children. *Pediatr Rep.* 2019;11(2):7954. 2. Science M, et al. Zinc for the treatment of the common cold: a systematic review and meta-analysis of randomized controlled trials. *CMAJ.* 2012;184(10):E551-E561. 3. Hoffmann PR, Berry MJ. The influence of selenium on immune responses. *Mol Nutr Food Res.* 2008;52(11):1273-1280. doi:10.1002/minf.200700330 4. Hudson J, Vimalanathan S. Echinacea—A Source of Potent Antivirals for Respiratory Virus Infections. *Pharmaceuticals (Basel).* 2011;4(7):1019-1031. 5. Jensen, G. S, et al. Double-Blind Placebo-Controlled, Randomized Pilot Study: Consumption of a High-Metabolite Immunogen from Yeast Culture has Beneficial Effects on Erythrocyte Health and Mucosal Immune Protection in Healthy Subjects. *The Open Nutrition Journal* 2008, 2, 68-75. 6. Moyad, et al. Effects of a modified yeast supplement on cold/flu symptoms. *Urol Nurs* 2008, 28 (1), 50-5. 7. Moyad, et al. Immunogenic yeast-based fermentate for cold/flu-like symptoms in nonvaccinated individuals. *J Altern Complement Med.* 2010, 16 (2), 213-8. 8. Carmen P. Wong, Linda P. Nguyen, Sang K. Noh, Tammy M. Bray, Richard S. Bruno, Emily Ho. Induction of regulatory T cells by green tea polyphenol EGCG. *Immunology Letters.* 2011; DOI: 10.1016/j.imlet.2011.04.009 9. Liang, et al. Sulforaphane Inhibits Inflammatory Responses of Primary Human T-Cells by Increasing ROS and Depleting Glutathione. *Frontiers in Immunology.* 2018; 9:2584. 10. Blumberg JB, et al. Impact of Cranberries on Gut Microbiota and Cardiometabolic Health: Proceedings of the Cranberry Health Research Conference 2015. *Advances in Nutrition: An International Review Journal.* 2016;7(4). 11. Anhe FF, et al. A polyphenol-rich cranberry extract protects from diet-induced obesity, insulin resistance and intestinal inflammation in association with increased Akkermansia spp. population in the gut microbiota of mice. *Gut* 2015;64:872-83. 12. Li Z, Summanen PH, Komoriya T, et al. Pomegranate ellagitannins stimulate growth of gut bacteria in vitro: Implications for prebiotic and metabolic effects. *Anaerobe.* 2015;34, 164-168.