BodyBio Liquid Zinc

Immune, Skin, and Digestion Support

BodyBio Liquid Zinc provides highly bioavailable zinc to support immunity, wound healing, and digestion. Essential for growth, immune function, and enzymatic activity, zinc is often depleted due to stress, poor diet, or absorption issues. This liquid format allows for easy titration, superior absorption, and minimal GI distress — making it ideal for pediatric, geriatric, and sensitive patient populations.*

AVAILABLE FORMAT:

2oz Glass Bottle with Dropper

DOCTOR TRUSTED PIONEERS IN CELLULAR HEALTH

BENEFITS

Immune Function and Inflammatory Regulation

Zinc supports both innate and adaptive immune responses while modulating inflammation and oxidative stress, helping reduce tissue damage and promote immune resilience.*

Wound Healing and Skin Integrity

Promotes tissue regeneration by supporting epithelial repair, collagen synthesis, and antioxidant defense—crucial for skin health and wound recovery.*

Digestive Enzyme Activation and Nutrient Assimilation

Zinc is essential for activating digestive enzymes such as carboxypeptidases and peptidases, which break down proteins and fats to support efficient nutrient absorption and overall digestive function.*

Growth, Pregnancy, and Cellular Repair

Supports DNA replication, RNA transcription, and cellular proliferation—key processes for growth, develoment, and tissue repair.*

TRUST POINTS

BodyBio Liquid Zinc is formulated with just a few active ingredients — zinc sulfate, copper sulfate, and ionic sea mineral concentrate — in a pure, liquid base with no unnecessary fillers or flavors. Each batch is third-party tested for potency and purity, and manufactured in a cGMP-certified facility.

This clean, minimalist formulation ensures optimal bioavailability and tolerability, especially for sensitive individuals. The liquid format allows for flexible, drop-by-drop dosing, making it easy to personalize protocols for pediatric, geriatric, or compromised patients*

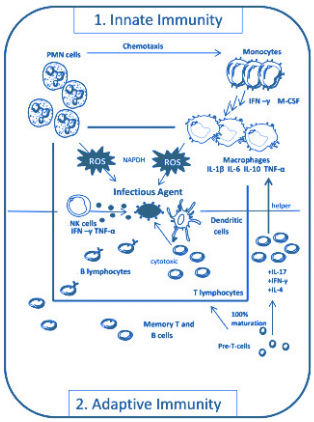
EVIDENCE

Zinc and Its Role in Immunity and Inflammation

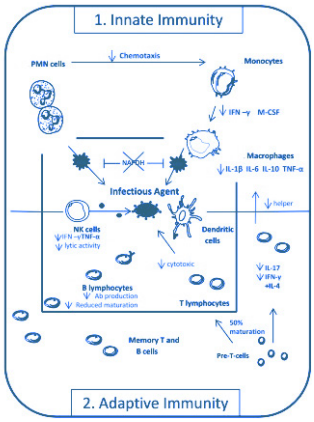
This visual compares a normal immune system with a zinc-deficient one, showing how zinc status impacts both innate and adaptive immunity. In a healthy response, neutrophils and monocytes migrate to infection sites (chemotaxis), macrophages release cytokines, and natural killer (NK) cells destroy infected or abnormal cells. Dendritic cells activate helper T cells, while B and T lymphocytes mature and differentiate, driving antibody production and long-term memory cell formation.

In contrast, zinc deficiency impairs chemotaxis, reduces cytokine output, weakens NK cell and macrophage function, disrupts reactive oxygen species production, and hinders lymphocyte development—together leading to reduced immune surveillance and greater infection risk.

NORMAL IMMUNE STYSTEM



ZINC DEFICIENT IMUNE SYSTM



ABBREVIATIONS:

- **PMN:** Polymorphonuclear leukocytes (neutrophils)
- **IFN-γ:** Interferon gamma
- **M-CSF:** Macrophage colony-stimulating factor
- **IL:** Interleukin
- **TNF-α:** Tumor necrosis factor alpha
- **NK cells:** Natural killer cells
- **ROS:** Reactive oxygen species
- **NADPH:** Nicotinamide adenine dinucleotide phosphate (reduced form)
- **Ab:** Antibody

Bonaventura, P., Benedetti, G., Albarède, F., & Miossec, P. (2015). Zinc and its role in immunity and inflammation. *Autoimmunity Reviews, 14*(4), 277–285.

APPLICATIONS

Immune Support and Infection Recovery
Recommended for individuals with frequent infections, low white blood cell counts, or immune suppression—particularly during periods of high stress or chronic inflammation.*

Chronic Inflammation and Oxidative Stress
Beneficial for aging individuals or those with autoimmune conditions, chronic inflammation, or high oxidative burden due to zinc's antioxidant properties and inhibition of NF-κB signaling.*

Dermatologic and Tissue Repair Protocols
Supports patients with acne, eczema, wounds, or post-surgical recovery through its role in epithelial regeneration, collagen synthesis, and inflammation modulation.*

GI and Nutrient Absorption Support
Helps maintain gut barrier integrity and digestive enzyme function in individuals with leaky gut, inflammatory bowel disease (IBD), or impaired zinc absorption.*

Pediatric, Prenatal, and Recovery Support
Recommended for children undergoing rapid growth, pregnant and lactating women with increased nutritional demands, and individuals recovering from surgery, injury, or chronic illness requiring enhanced tissue regeneration, DNA synthesis, and cellular repair.*

SCIENTIFIC RATIONALE

Immune Function
Zinc is essential for the development and function of neutrophils, macrophages, NK cells, and both B and T lymphocytes. It also serves as a cofactor for thymulin, a zinc-dependent peptide necessary for T-cell maturation. Deficiency impairs immune cell signaling, phagocytosis, cytokine release, and antibody production.*

Antioxidant and Anti-Inflammatory Roles
Zinc is a cofactor for copper-zinc superoxide dismutase (Cu/Zn SOD), which neutralizes superoxide radicals. It also inhibits NF-κB, a transcription factor that drives pro-inflammatory cytokine expression—offering both antioxidant and anti-inflammatory protection.*

Tissue Repair and Skin Health
Zinc facilitates re-epithelialization, fibroblast activity, and collagen synthesis. It activates matrix metalloproteinases (MMPs) involved in extracellular matrix turnover and supports membrane stability during oxidative stress—key for wound healing and skin resilience.*

Gut Integrity and Digestive Enzyme Activation
Zinc supports tight junction integrity in intestinal epithelial cells, reducing permeability and enhancing mucosal barrier function. It also activates digestive enzymes such as carboxypeptidases, promoting the breakdown of proteins and fats to aid overall nutrient absorption.*

DNA Synthesis, Cell Proliferation, and Developmental Support
As a structural component of DNA polymerases and transcription factors, zinc is essential for DNA replication, cell proliferation, and tissue development—particularly critical during periods of growth, pregnancy, and recovery from illness.*

SUGGESTED USE

As a mineral supplement, add 1.25 mL in water or beverage of choice daily, or as directed by a healthcare practitioner.

SUPPLEMENT FACTS

Serving Size: 1.25 mL (25 drops)
Servings: About 47

	Amount Per Serving
Zinc (as zinc sulfate)	50mcg
Copper (as copper sulfate)	2mg
Ionic Sea Minerals Concentrate	350mg

Other ingredients: Purified water, non-GMO citric acid, <0.1% potassium benzoate.

SCAN QR CODE FOR REFERENCES