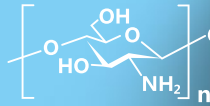


# Natural Oligosaccharides From the Deep Ocean



Regulates Immunity and Improves the Vitality of Immune Cells



Inhibits the Proliferation of Tumor Cells, Supports the Recovery of Tumor Patients after Surgery



Regulates Intestinal Flora and Promotes Intestinal Health

## BIOCHITO

BioChito® is a marine sourced functional oligosaccharide that utilizes Alaska Bering Sea snow shell crab. BioChito® is prepared by eco-friendly enzymolysis technology with concentrated and stable molecular mass distribution. Traceability is guaranteed through strict enforcement of quality control throughout the production process.

### Why Choose BioChito®

Novel food ingredients; All-natural marine ingredients; Small molecular mass, stable distribution, high purity; Good water solubility, Odorless, Wide Applications; Applied studies supported by independent scientific research data.

### Supported forms:

Capsules, tablets, solid, liquid, and gels. Can be applied to dietary supplements, food and beverages

### Applicable to:

Patients after tumor surgery and adults seeking improved immunity

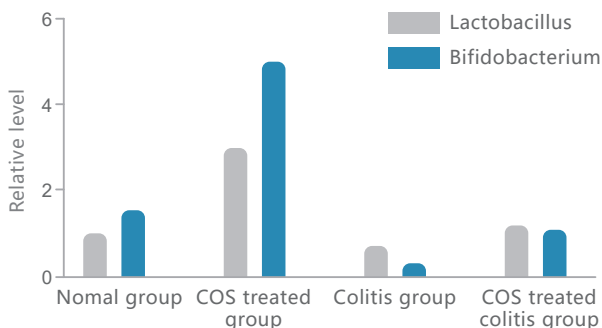
### Dosage:

500 mg/day

## Animal Trial

### 1.Promotes the Growth of Intestinal Probiotics and Improves the Intestinal Health

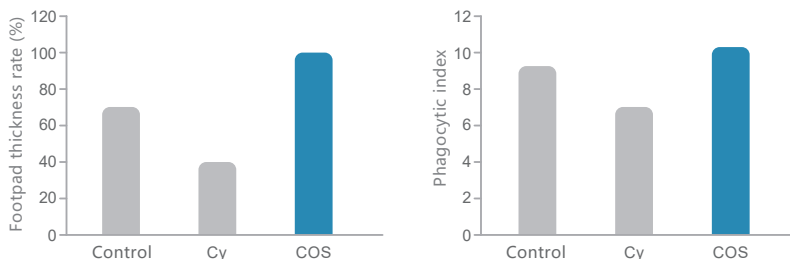
As a natural marine prebiotic Chitooligosaccharides (COS) can improve the growth of intestinal Lactobacillus and Bifidobacterium in both normal and colitis rats.



From <Long T et al. Orally Administered Chitooligosaccharides Modulate Colon Microbiota in Normal and Colitis Mice[J]. International Journal of Pharmacology, 2018, 14(2):291-300.>

### 2.Improves the Body's Immunity and Promotes the Recovery after Surgery

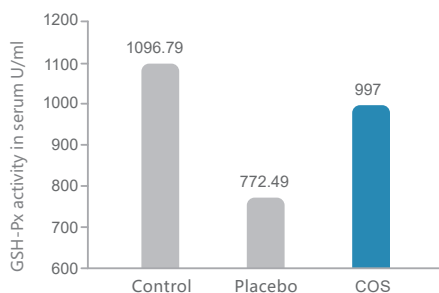
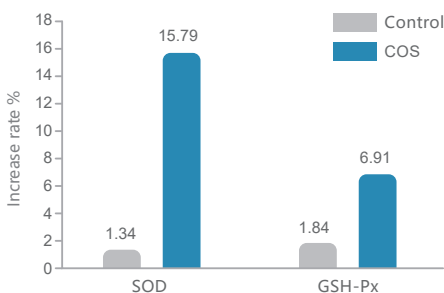
COS can improve the thymus and spleen index, delayed hypersensitivity(DTH), and macrophage phagocytic activity that is induced by Cy (cyclophosphamide) in immunosupressed rats. Results show that COS has strong immune enhancing activity along with a protective effect for Cy induced immunosuppression.



From <Mei, Y., Chen, H., Zhang, J., Zhang, X., & Liang, Y. (2013). Protective effect of chitooligosaccharides against cyclophosphamide-induced immunosuppression in mice. International Journal of Biological Macromolecules, 62, 330-335. >

## Human Clinical Trial

A 3-month, randomized, single-blind clinical trial was conducted in 2012, involving 101 subjects aged between 45-65. The test results show that compared with the placebo group, COS can significantly increase the activity and percentage of SOD and GSH-Px antioxidant enzymes in human serum, improve the body's antioxidant capacity and immunity to achieve the effect of supporting overall health.



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#### Product Stability

Two-year shelf life if stored under cool, dry and dark conditions

#### Our Customized Service also Includes:

Contract Manufacturing for Finished Product and Botanical Extraction  
Formulation Design  
Functionality Evaluation