



Digest DTX™

Botanicals, zinc carnosine, and a comprehensive vegan-sourced enzyme blend with patented delivery, targeting complete digestion plus promoting healthy immune responses and detoxification pathways*

Key Ingredients

Enzyme blend

(Biocore®)

Optimum Complete:

Protease, Amylase, Alpha-Galactosidase, Glucoamylase, Lactase, Invertase, Lipase, Acid Maltase, Peptidase)

- Fungal derived enzymes
- Blend targets multiple food antigens with activity at fluctuating pH levels to **optimize fundamental digestion***

Cilantro leaf

(*Coriandrum sativum*)

- Research shows cilantro leaf **supports liver detoxification, improves antioxidant status, and promotes a balanced microbiota**^{1,2*}

Apple cider vinegar

- Research suggests apple cider vinegar **supports immune regulating properties** through the downregulation of toxic protein expression and TNF- α , IL-6 expression^{3*}

Theracurmin®

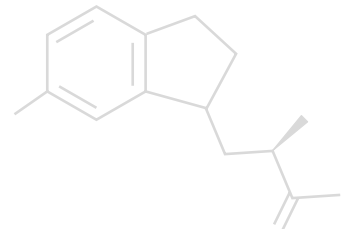
(*Curcuma longa*, standardized to 30% curcuminoids)

- Curcumin, a polyphenol in turmeric, contains significant immune regulating properties^{4*}
- Specialized curcumin prep shown **27x more bioavailable** than regular turmeric and found to **improve detox status**^{5*}

Zinc carnosine

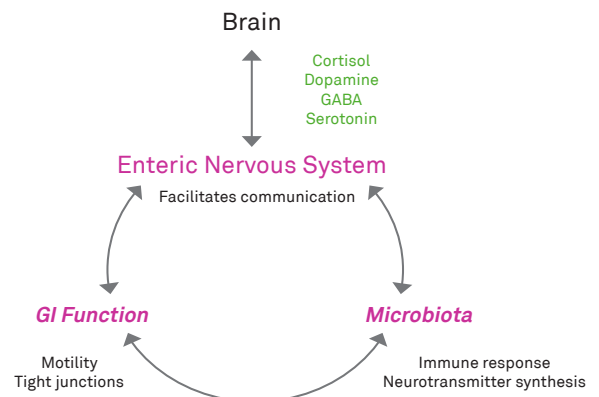
- Chelated compound of zinc and L-carnosine
- Research shows **benefits to gut mucosal lining, epithelial tissue, and liver health**^{15*}

The Science



- The brain receives neurotransmitters synthesized in the gut and promotes gut health through **motility, immune health, and tight junction function**⁶⁻⁹
- The enteric nervous system contains **5x** as many neurons as the spinal cord and helps relay messages from the brain to the gut⁸⁻¹⁰
- Proper gut health promotes **balanced immune function**, healthy neurotransmitter production, and **improved digestion**⁸

The Gut-Brain Connection

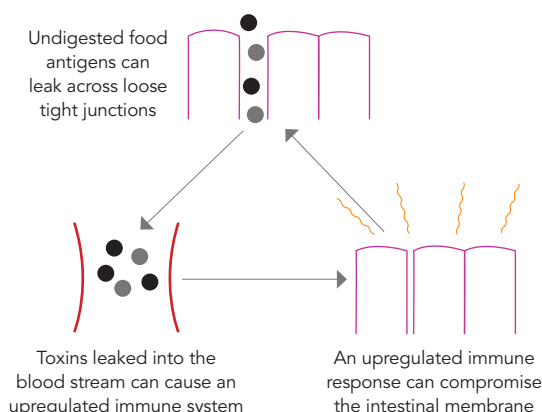


Green = Biomarker

*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.

MORE SCIENCE BEHIND DIGEST DTX

Figure 1. The Toxin-Induced Immune Cycle



Food antigens and the immune system

Undigested food antigens can travel across a weakened epithelial barrier to trigger the immune response¹¹

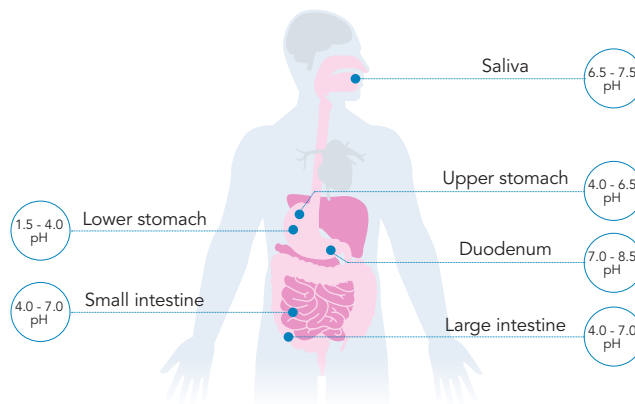
- Factors such as stress, immune activity, poor diet, and microbial imbalance can cause healthy tight junctions to fluctuate¹²
- Loosened tight junctions perpetuate imbalance as antigens can cross into the blood stream, triggering an immune response¹¹

A continually upregulated immune response can further disrupt the epithelial barrier¹¹

- TNF- α has been shown to regulate the epithelial barrier in a human intestinal cell line¹³
- Turmeric, apple cider vinegar modulate the immune response (via TNF- α) and zinc carnosine promotes gut lining health^{3,4,15*}

Digest DTX helps break the toxin-induced immune cycle with digestive enzymes plus ingredients to balance immune activity, promote detoxification, and support epithelial tissue^{3-5,15*}

Figure 2. pH Along the Digestive Tract



Enzyme, antigen, and proper pH

The enzymes in Digest DTX are blended to breakdown multiple food antigens in their optimal pH, starting in the stomach along the digestive tract^{14*}

- Enzyme activity should mimic natural digestion, through the acidic conditions of the stomach to the intestines
- An enzyme should break down the targeted antigen effectively at the pH of the targeted digestion site

The enzymes in Digest DTX are tailored to break down multiple food antigens in their optimal pH, starting in the stomach and along the digestive tract^{14*}

Enzyme Example	Target	Optimum pH	Site of Digestion
Protease blend	Proteins	2.0 - 11.0	Stomach
Amylase	Starch	3.0 - 7.0	Small Intestine
Lactase	Lactose	2.5 - 7.0	Small Intestine
Lipase	Fats	4.0 - 8.0	Small Intestine



Item Number	Available Sizes	Serving Size
20067K	15 Capsules	1 Capsule
20067	60 Capsules	1 Capsule



Rotate in a new probiotic?

Learn more about NeuroBiota at www.neuroscienceinc.com/products/neurobiota

NeuroScience products undergo third-party testing to deliver the consistent quality trusted by healthcare providers over the last 20+ years

- Zare-Shehneh M, et al. Int J Biosci. 2014;4(6):89-99.
- Sreelatha S, et al. Food Chem Toxicol. 2009;47(4):702-8.
- Yagnik D, et al. Sci Rep. 2018;8(1):1732.
- Shehzad A, et al. Biofactories. 2013;39(1):69-77.
- Sasaki H, et al. Biol Pharm Bull. 2011;34(5):660-5.
- Rhee S, et al. Nat Rev Gastroenterol Hepatol. 2009 May;6(5):306-14.
- Sovlinier D, et al. Gut Microbes. 2013 Jan-Feb;4(1):17-27.
- Shimada Y. PLoS One. 2013 Nov 20;8(11):e80604.
- Bansal T. Proc Natl Acad Sci U S A. 2010 Jan 5;107(1):228-33.
- Rao M and Grershon M. Nat Rev Gastroenterol Hepatol. 2016 Sep; 13(9): 517-528.
- Heyman M and Desjeux J. Ann N Y Acad Sci. 2000;915:304-11.
- Mu Q, et al. Front Immunol. 2017; 8: 598.
- Schmitz H. J Cell Sci. 1999 Jan;112 (Pt 1):137-46.
- Tortora G. Principles Of Anatomy And Physiology. 14th ed.; 2014.
- Hewlings S and Kalman D. Nutrients. 2020 Mar; 12(3): 665.

*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.

(888) 342-7272 www.neuroscienceinc.com

Copyright © 2024 NeuroScience 121024-N2027