

ButyrAid™

Colon Lining Nutrition*

ButyrAid™ supplies butyrate as ButyraGen™ packaged in delayed-release vegetarian capsules.

ButyraGen™ is a tributyrin complex composed of three molecules of butyrate attached to a glycerol backbone. After ingestion, tributyrin is hydrolyzed in the small intestine and colon to release three butyrate molecules. The glycerol backbone is also converted to butyrate. As such, one molecule of tributyrin yields four molecules of butyrate, enabling even modest doses of ButyrAid™ to provide substantial amounts of butyrate.*

Butyrate is a salt of butyric acid, a short-chain fatty acid (SCFA) produced in the intestines via the bacterial fermentation of some dietary carbohydrates. Butyrate is the primary fuel for colonocytes, and adequate amounts are necessary to support the colon's health and integrity.*

Because ButyrAid™ supplies butyrate directly and does not rely on carbohydrate fermentation, the state of an individual's microbiome does not impact the amount of butyrate supplied (as it might for inulin or other prebiotics).*

In addition, as it does not require fermentation, ButyrAid™ does not cause gas and bloating in the way prebiotics can.*



#50220

100 delayed-release vegetarian capsules

Key Features

- Provides butyrate, a primary fuel for colonocytes*
- Supports the health and integrity of the colon*
- Does not depend on the state of an individual's microbiome*
- Less likely to produce gas and bloating than prebiotics*



800.545.9960
info@nutricology.com
www.nutricology.com



Butyrate: Beyond the Gut

SCFAs such as butyrate are produced in the intestines and colon via the bacterial fermentation of dietary carbohydrates, especially resistant starches and fiber.

Essential but often confused nomenclature in this area includes:

- Prebiotics: resistant starches and fibers fermented in the intestines and colon
- Probiotics: beneficial bacteria living in the gut that ferments prebiotics
- Postbiotics: bioactive substances resulting from the fermentation of prebiotics

Butyrate is considered an essential postbiotic whose primary function is to serve as a major energy source for colonocytes; however, evidence indicates that butyrate has farther reaching benefits.*

Substantial peer-reviewed evidence suggests adequate butyrate promotes:

- a healthy cardiovascular system*
- a healthy gut-brain axis*
- a healthy immune system*
- a healthy microbiota*
- balanced oxidative stress*
- healthy body weight*
- healthy inflammatory processes in the gut*
- healthy insulin sensitivity*

As such, ButyrAid™ may promote health and wellness far beyond simply providing fuel for colonocytes.*

Suggested References:

Amiri P, et al. Front Pharmacol. 2022 Feb 2;12:837509.
 Liu H, et al. Adv Nutr. 2018 Jan;9(1):21-9.
 van Deuren T, et al. Obes Rev. 2022 Oct;23(10):e13498.
 Zhang M, et al. Nutr Res. 2021 Nov;95:1-18.
 Zhu LB, et al. World J Clin Pediatr. 2021 Sep 9;10(5):84-92.

Supplement Facts

Serving Size 1 Capsule
 Servings Per Container 100

Amount Per Serving	% Daily Value*
ButyraGen™ (Tributylin Complex)	200 mg †

† Daily Value not established

* Percent Daily Value are based on a 2,000 calorie diet

Other ingredients: Hydroxypropyl methylcellulose, magnesium stearate (vegetable source), microcrystalline cellulose.

Suggested Use: As a dietary supplement, 1 capsule, one to three times daily with or without food, or as directed by a healthcare practitioner.

Keep in a cool, dry place, tightly capped.

 ButyraGen™ is a trademark of NutriScience Innovations, LLC.

