



BodyBio Butyrate

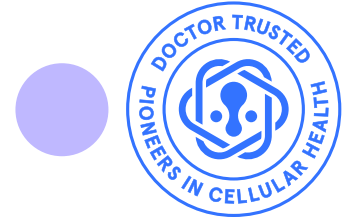
Supporting Gut Health and Systemic Well-Being

BodyBio Butyrate is a specialized supplement that provides butyric acid, a short-chain fatty acid (SCFA) critical for optimal gut and systemic health. As the primary energy source for colonocytes, butyrate promotes intestinal integrity, microbiome balance, and anti-inflammatory signaling, supporting overall health from the inside out.*

AVAILABLE FORMATS:

Sodium Butyrate Capsules — 60, 100

Calcium Magnesium Butyrate Capsules — 100, 250



BENEFITS

Gut Barrier Support

Butyrate strengthens the gut lining, improving its defense against toxins and pathogens.*

Microbiome Balance

Promotes the growth of beneficial gut bacteria, supporting a healthy and diverse microbiota.*

Anti-Inflammatory Properties

Reduces inflammation both in the gut and throughout the body by modulating cytokine signaling.*

Metabolic Regulation

Improves insulin sensitivity and supports healthy weight management by promoting GLP-1 secretion.*

Gut-Brain Axis Support

Influences neurotransmitter production, mood regulation, and cognitive health via gut-brain communication.*

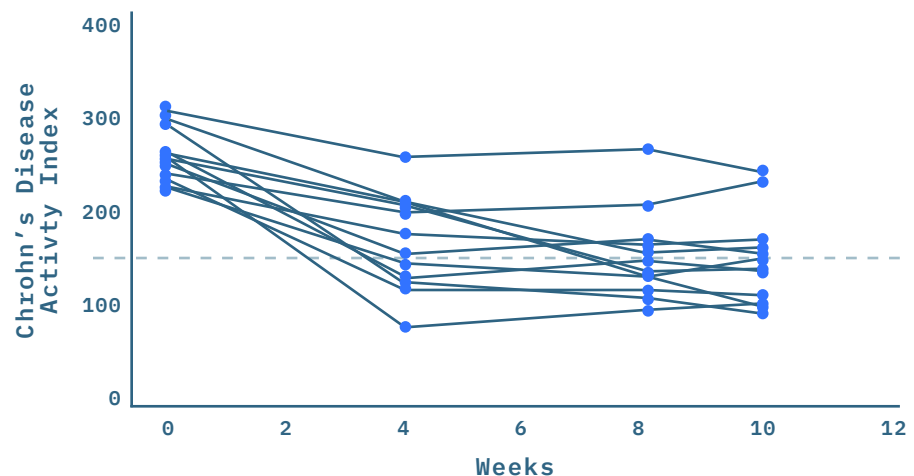
TRUST POINTS

- Provides pure butyric acid in an easy-to-take capsule form.
- Free from common allergens, including soy, gluten, and dairy.
- Stabilized with sodium, calcium, and magnesium salts for enhanced absorption and tolerability.

EVIDENCE

Butyrate Reduces Symptoms, Induces Remission in CD

In a study with 13 participants, the aim was to explore the efficacy and safety of oral butyrate in Crohn's disease; among the nine patients (69%) who responded to treatment, seven (53%) achieved remission and two had a partial response.



Di Sabatino, A., Morera, R., Ciccocioppo, R., Cazzola, P., Gotti, S., Tinozzi, F. P., Tinozzi, S., & Corazza, G. R. (2005). Oral butyrate for mildly to moderately active Crohn's disease. *Alimentary pharmacology & therapeutics*, 22(9), 789–794.

APPLICATIONS

Digestive Health

Effective for patients with IBS, IBD, or leaky gut syndrome.*

Metabolic Health

Supports weight management and glucose homeostasis.*

Immune Function

Reduces systemic inflammation and promotes immune tolerance.*

Neurological Health

Beneficial for patients with brain fog, mood disorders, or neuroinflammation.*

SCIENTIFIC RATIONALE

Gut Barrier Function

Butyrate helps strengthen the intestinal lining by boosting AMPK activity, which speeds up the formation of tight junctions between cells. This process reduces intestinal permeability and supports a healthier gut barrier.

Microbiome Balance

Butyrate supplementation has been associated with increased populations of beneficial bacteria, including *Faecalibacterium prausnitzii* and *Akkermansia muciniphila*.

Anti-Inflammatory Effects

Research demonstrates butyrate's ability to inhibit pro-inflammatory cytokines (e.g., TNF- α , IL-6) and promote regulatory T-cell (Treg) function.

Metabolic Benefits

Butyrate enhances insulin sensitivity, improves lipid metabolism, and stimulates GLP-1 and PYY secretion, supporting metabolic health.

Brain Health

Butyrate has the ability to affect neurotransmitter levels, strengthen the blood-brain barrier, and influence behaviors associated with anxiety and depression. It does this by interacting with certain receptors in the brain and reducing neuroinflammation, calming brain immune cells like glial cells and astrocytes that contribute to inflammation.

Chemical Chaperone Activity

Butyrate serves as a chemical chaperone, enhancing protein folding and reducing endoplasmic reticulum stress, which in turn reduces cellular oxidative stress and mitochondrial dysfunction.

Histone Deacetylase Inhibitor

Butyrate inhibits histone deacetylases (HDACs), which relaxes chromatin and makes genes more accessible for expression. This action promotes the activation of protective genes, triggering epigenetic changes that boost the production of antioxidant enzymes, anti-inflammatory agents, and detoxification proteins. As a result, butyrate helps reduce oxidative stress and inflammation while improving toxin clearance.

SCAN QR CODE
FOR REFERENCES



SUGGESTED USE

Take 2 capsules daily with the largest meal or as directed by your healthcare practitioner.

Therapeutic Dose

6-8 capsules with meals, dosed throughout the day.

Titration

Start with 1 capsule daily, increasing to the desired dose.

Among the two types of butyrate, sodium butyrate is generally preferred, as this form is naturally produced by the body. Calcium/magnesium butyrate, on the other hand, is ideal for individuals who are sensitive to sodium.

Avoid when pregnant.

SUPPLEMENT FACTS

Sodium Butyrate

Serving Size: 2 capsules Servings: 30 (60 ct.); 50 (100 ct.)		
Amount Per Serving		% DV**
Calories	10	
Total Fat	1.5 g	2%
Sodium (as sodium hydroxide)	313 mg	14%
Butyric Acid	1200 mg	†
**The % Daily Values (DV) are based on a 2000 calorie diet.		
† Daily Value not established.		

Other ingredients: Hypromellose (capsule), medium chain triglycerides, purified water.

Calcium Magnesium Butyrate

Serving Size: 2 capsules Servings: 50 (100 ct.); 125 (250 ct.)		
Amount Per Serving		% DV**
Calories	10	
Total Fat	1 g	2%
Calcium (as calcium hydroxide)	160 mg	1%
Magnesium (as magnesium hydroxide)	80 mg	%
Butyric Acid	1200 mg	†
**The % Daily Values (DV) are based on a 2000 calorie diet.		
† Daily Value not established.		

Other ingredients: Hypromellose (capsule), medium chain triglycerides, purified water.