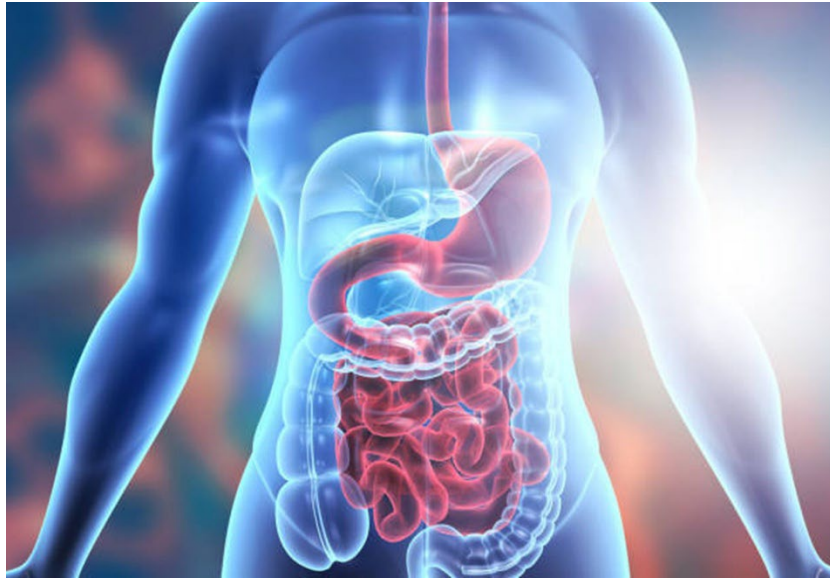


Unlocking the Power of Butyrate: A Smarter Approach to Gut Health and Immune Strength



Most Gut Protocols Overlook Starving Colonocytes

For years, gut health has been approached with probiotics, elimination diets, and “kill protocols.” While these can sometimes help, they miss a deeper problem: **the cells lining your colon (colonocytes) are starving.**

These cells have a preferred fuel source that many people with dysbiosis can’t produce anymore. Without it, your gut can’t fully heal—no matter how many supplements or probiotics you take.

Why Traditional Gut Protocols Fall Short

Most gut programs focus on adding good bacteria or cutting out certain foods. While important, these strategies don’t address the **cellular metabolism of the colon itself.**

When dysbiosis develops—often from stress, antibiotics, infections, or processed diets—beneficial bacteria that normally make **butyrate** disappear. In their place, opportunistic and often inflammatory bacteria (like Proteobacteria) take over.

That shift explains why patients can try protocol after protocol, yet never achieve long-term resilience. The missing piece is **butyrate.**

The Unsung Hero: Butyrate

Butyrate is a short-chain fatty acid (SCFA) produced by healthy gut bacteria. It's not just another nutrient—it's the **primary energy source for colonocytes**.

Without butyrate:

- Colon cells weaken and barrier function declines (“leaky gut”).
- Inflammation and food sensitivities worsen.
- Opportunistic microbes thrive, pushing out beneficial ones.

With butyrate restored, the colon can rebuild its natural resilience and protect the rest of the body from chronic inflammation.

Why Standard Butyrate Supplements Can Backfire

Not all butyrate is created equal. Traditional supplements often release too early—in the small intestine. This can trigger the immune system, activating IL-17 and IL-22 pathways that worsen conditions like SIBO, autoimmunity, and food sensitivities.

This is why some patients actually feel worse on standard butyrate.

The nuButyrate™ Advantage

nuButyrate™ uses **tributylin technology** for precise delivery directly into the colon. This bypasses the small intestine entirely, avoiding harmful immune activation.

The Benefits of Precision Release:

- Butyrate fuels colonocytes directly.
- Colonocytes consume oxygen, creating the low-oxygen environment good bacteria need.
- Beneficial bacteria flourish, while inflammatory ones are suppressed.
- Inflammation is calmed through NF-κB suppression and immune modulation.

It creates what Dr. Greene calls “**a self-perpetuating loop of gut health.**”

Clinical Outcomes Observed

When butyrate is restored at the right location, patients often experience:

- Reduced bloating and inflammation
- Stronger gut barrier and improved food tolerance
- Balanced immune responses (regulatory T-cells, Th1/Th2/Th17 balance)
- Increased resilience of the gut-brain-immune axis

In Dr. Greene's practice, nuButyrate™ is often used for patients with:

- Dysbiosis and elevated inflammatory markers
- Leaky gut and sensitivities
- Autoimmunity and immune dysregulation
- Failed results from probiotics or traditional protocols

The Future of Gut Health

This represents more than just another supplement. It's a shift toward **precision gut support**—fueling the colonocytes, modulating the immune system, and restoring balance where it matters most.

For many, this is the missing key that allows true, long-term gut resilience.

Take the Next Step with Total Body Health

If you've struggled with gut health protocols that never seem to deliver lasting results, it may be because your colonocytes are starving for butyrate.

At **Total Body Health**, under the leadership of **Dr. Kevin Greene**, we specialize in targeted solutions like **nuButyrate™** that work with your body's natural design—restoring resilience from the inside out.

👉 Ready to restore your gut foundation?

Contact **Total Body Health** today to learn how precision butyrate therapy can help you rebuild your gut, rebalance your immune system, and reclaim your health.

Total Body Health

(860) 249-6579

Bristol, CT

Delray Beach, FL