GI Stability™

Short- and Long-Term GI Support*

*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.

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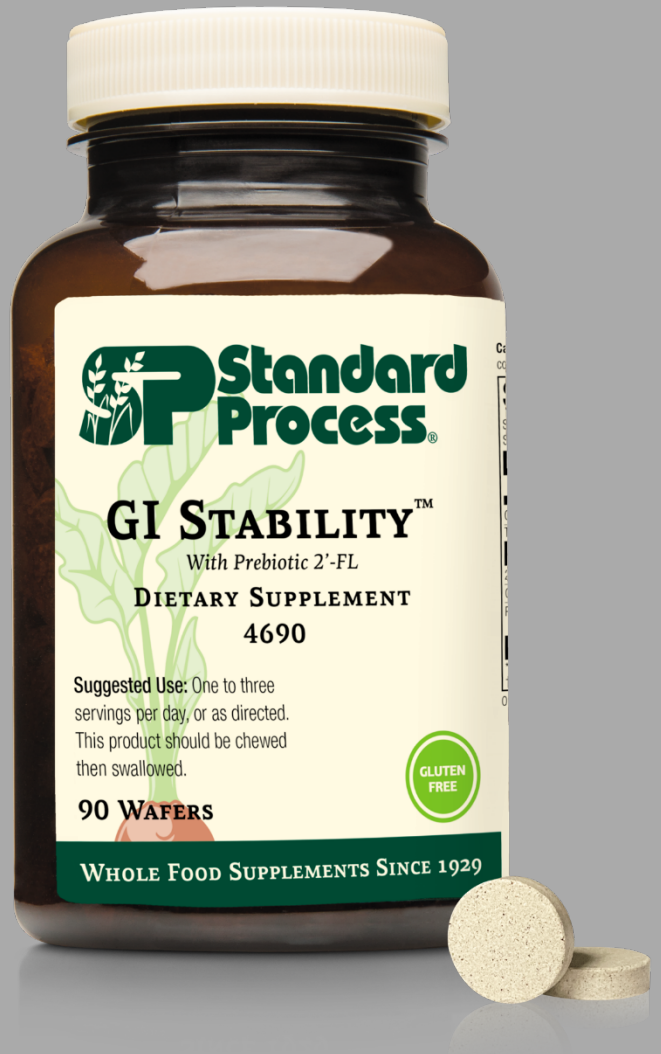
What is GI Stability?

GI Stability is designed for both everyday and acute gastrointestinal (GI) needs. It helps support a healthy gut microbiome, feeds the growth of beneficial bacteria, may help support the immune system, and contains an herbal component that traditionally aids in proper elimination.*

It's formulated with a blend of a botanical ingredient (Collinsonia Root), whole food ingredients (Beet and Okra powder), and 2'-FL: a prebiotic carbohydrate that is chemically identical to Human Milk Oligosaccharides (HMO) — sugar molecules that are most commonly found in human milk.



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When to consider GI Stability

As a daily prebiotic – to support a healthy GI*

- To target good bacteria
- Immune System Support*
- Patient is having adverse response to other prebiotics

Patient Concerned with GI Microbiome Imbalance

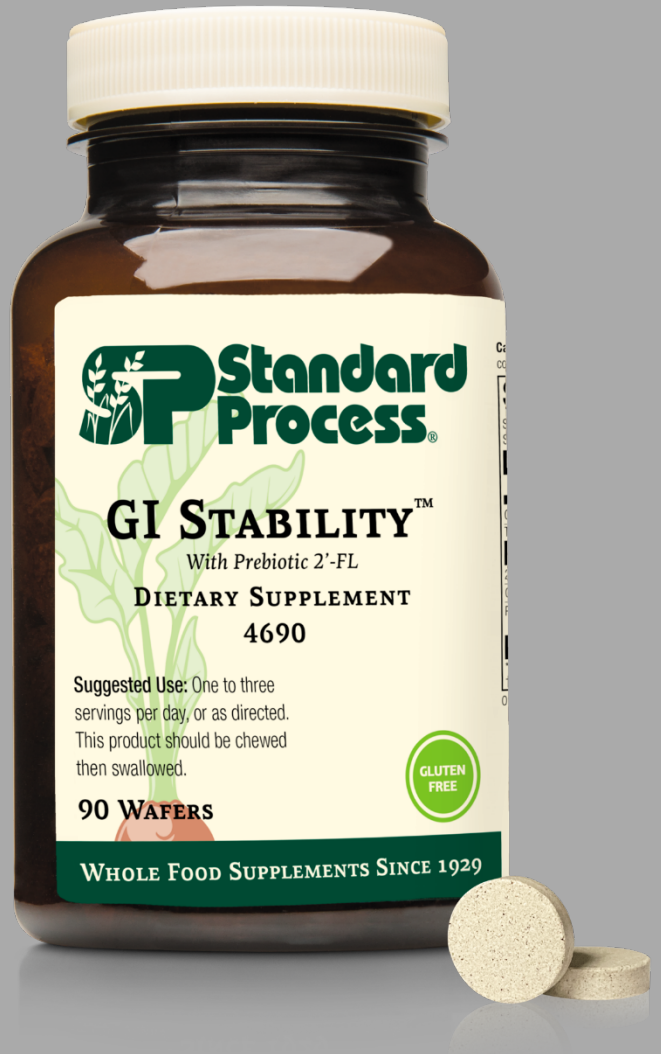
- Patient has a poor diet
- Fecal microbiome test shows low proportion of Actinobacteria
- Concern associated with microbiome imbalance

Before/During/After times when GI challenges are anticipated

- For otherwise healthy people, certain events can disrupt the GI
- GI Stability is perfect to help prepare for such an event and support homeostasis

For proper elimination support*

- Traditional root used for a range of digestive concerns



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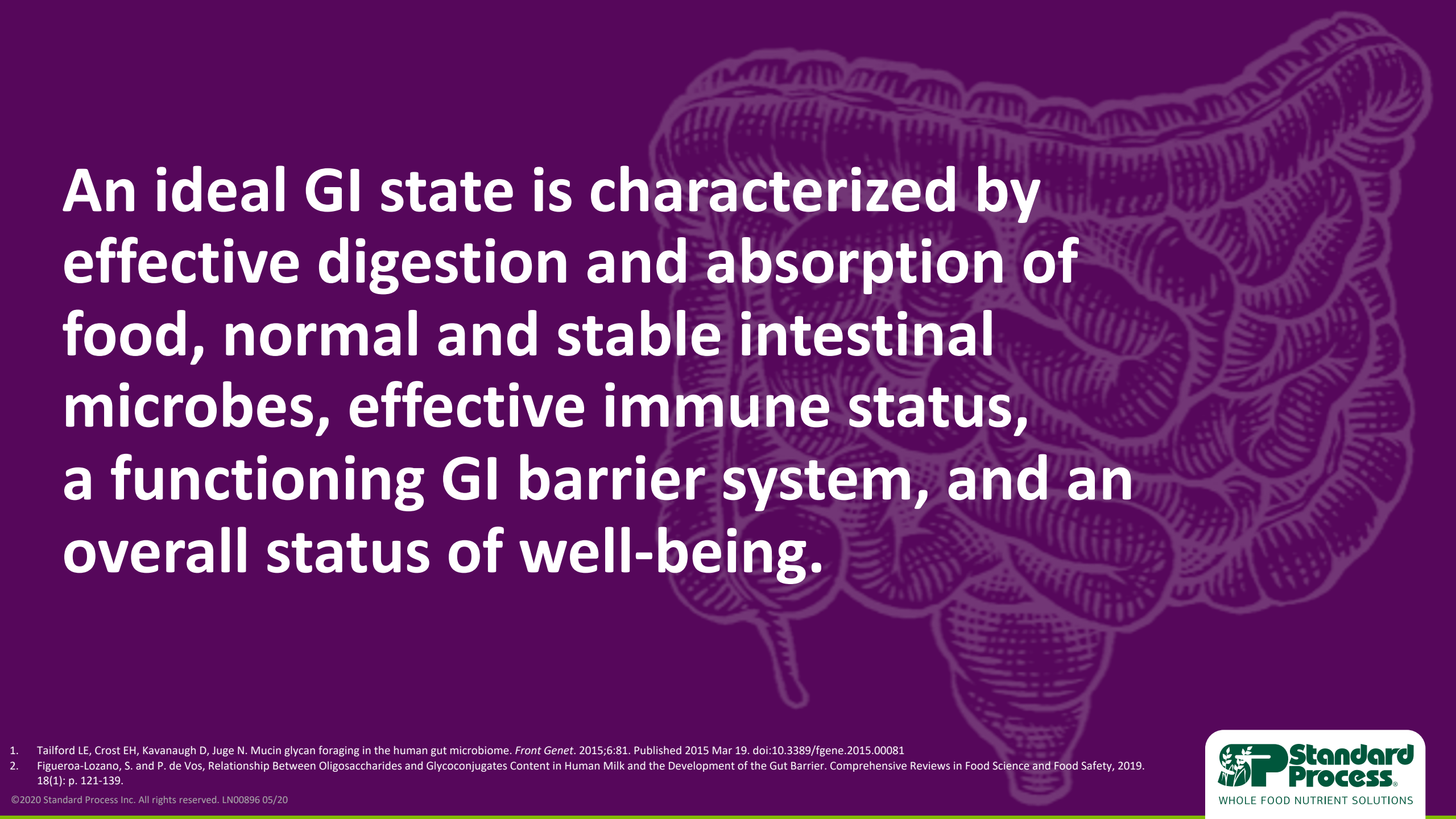

An ideal GI state is characterized by effective digestion and absorption of food, normal and stable intestinal microbes, effective immune status, a functioning GI barrier system, and an overall status of well-being.

1. Tailford LE, Crost EH, Kavanaugh D, Juge N. Mucin glycan foraging in the human gut microbiome. *Front Genet*. 2015;6:81. Published 2015 Mar 19. doi:10.3389/fgene.2015.00081
2. Figueroa-Lozano, S. and P. de Vos, Relationship Between Oligosaccharides and Glycoconjugates Content in Human Milk and the Development of the Gut Barrier. Comprehensive Reviews in Food Science and Food Safety, 2019. 18(1): p. 121-139.

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The human GI tract is home to trillions of microbes — their collective genetics are known as the "microbiome." The Microbial Barrier is the combination of "good" and potentially "bad" microbes that inhabit this environment. Foods that feed good bacteria are called Prebiotics.

1. Tailford LE, Crost EH, Kavanaugh D, Juge N. Mucin glycan foraging in the human gut microbiome. *Front Genet*. 2015;6:81. Published 2015 Mar 19. doi:10.3389/fgene.2015.00081
2. Figueroa-Lozano, S. and P. de Vos, Relationship Between Oligosaccharides and Glycoconjugates Content in Human Milk and the Development of the Gut Barrier. Comprehensive Reviews in Food Science and Food Safety, 2019. 18(1): p. 121-139.

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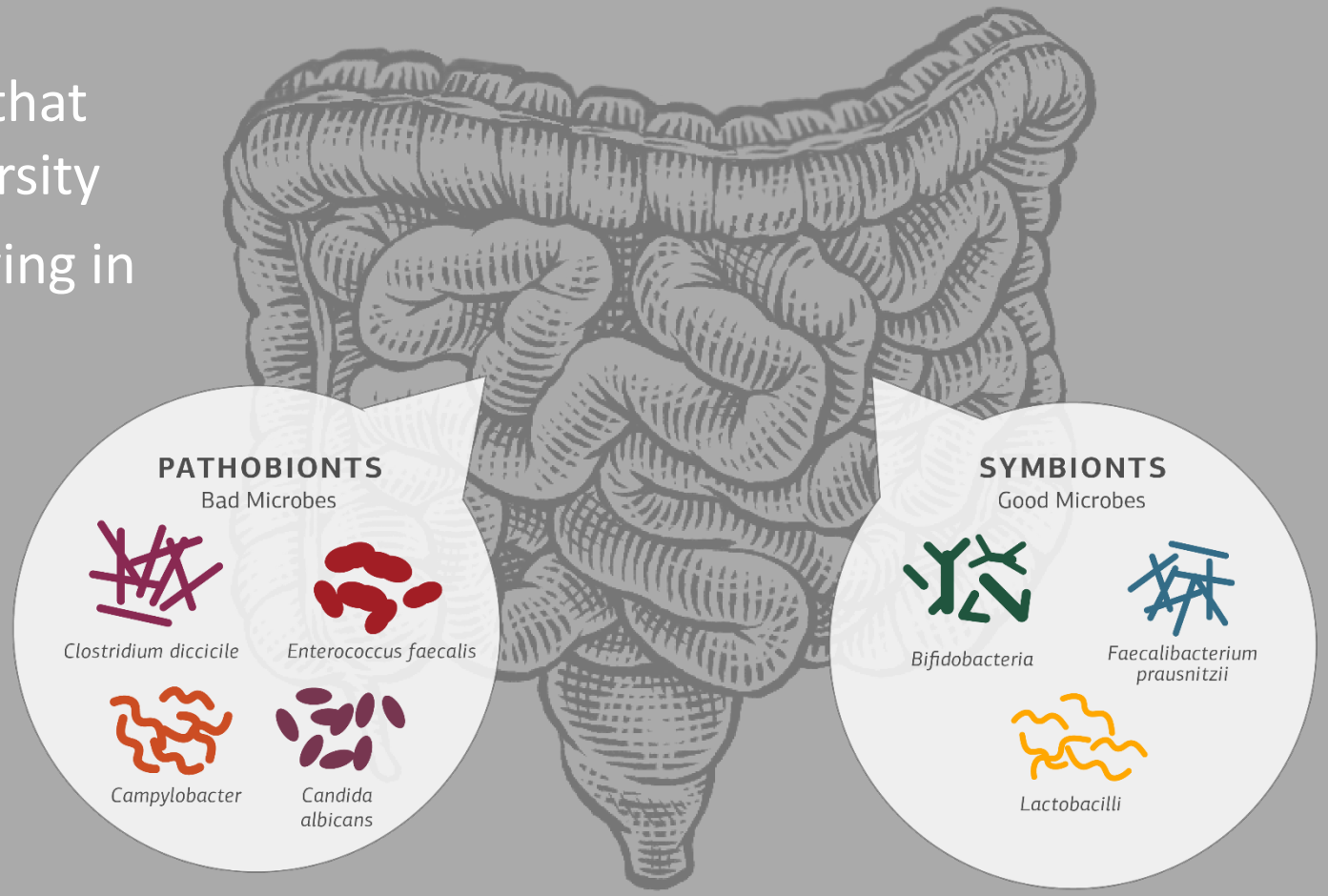
“Good” and “Bad” microbes?

- **Commensals**: Permanent residents that provide much needed bacterial diversity
- **Symbionts**: Commensal microbes living in the GI that have evolved to perform beneficial functions
- **Pathobionts**: Resident microbes that can cause disruptions under certain conditions



1. June L. Round, & Sarkis K. Mazmanian. (2009). The gut microbiota shapes intestinal immune responses during health and disease. *Nature Reviews Immunology, 9*(5), 313-323.

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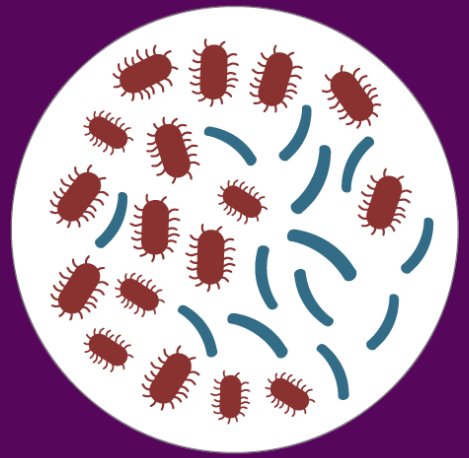
Microbial Balance

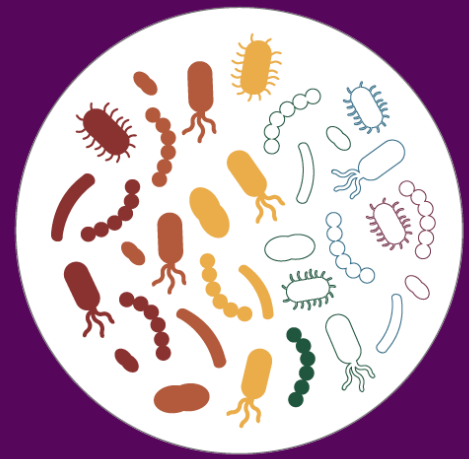
Homeostasis

- A healthy microbiota
- High diversity in species and function
- Ability to resist change under physiological stress

Dysbiosis

- Expansion of pathobionts
- Lower species diversity
- Fewer beneficial microbes





1. Petersen, C., & Round, J. L. (2014). Defining dysbiosis and its influence on host immunity and disease. *Cellular microbiology*, *16*(7), 1024–1033. https://doi.org/10.1111/cmi.12308

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Medications that influence the microbiome

- Proton Pump Inhibitors
- Antibiotics
- Inhaler-Anticholinergic
- SSRI
- Paracetamol
- Opioids

1. *Jackson, M.A., et al., Gut microbiota associations with common diseases and prescription medicationsin a population-based cohort. Nature communications, 2018. 9(1): p. 2655-2655.*

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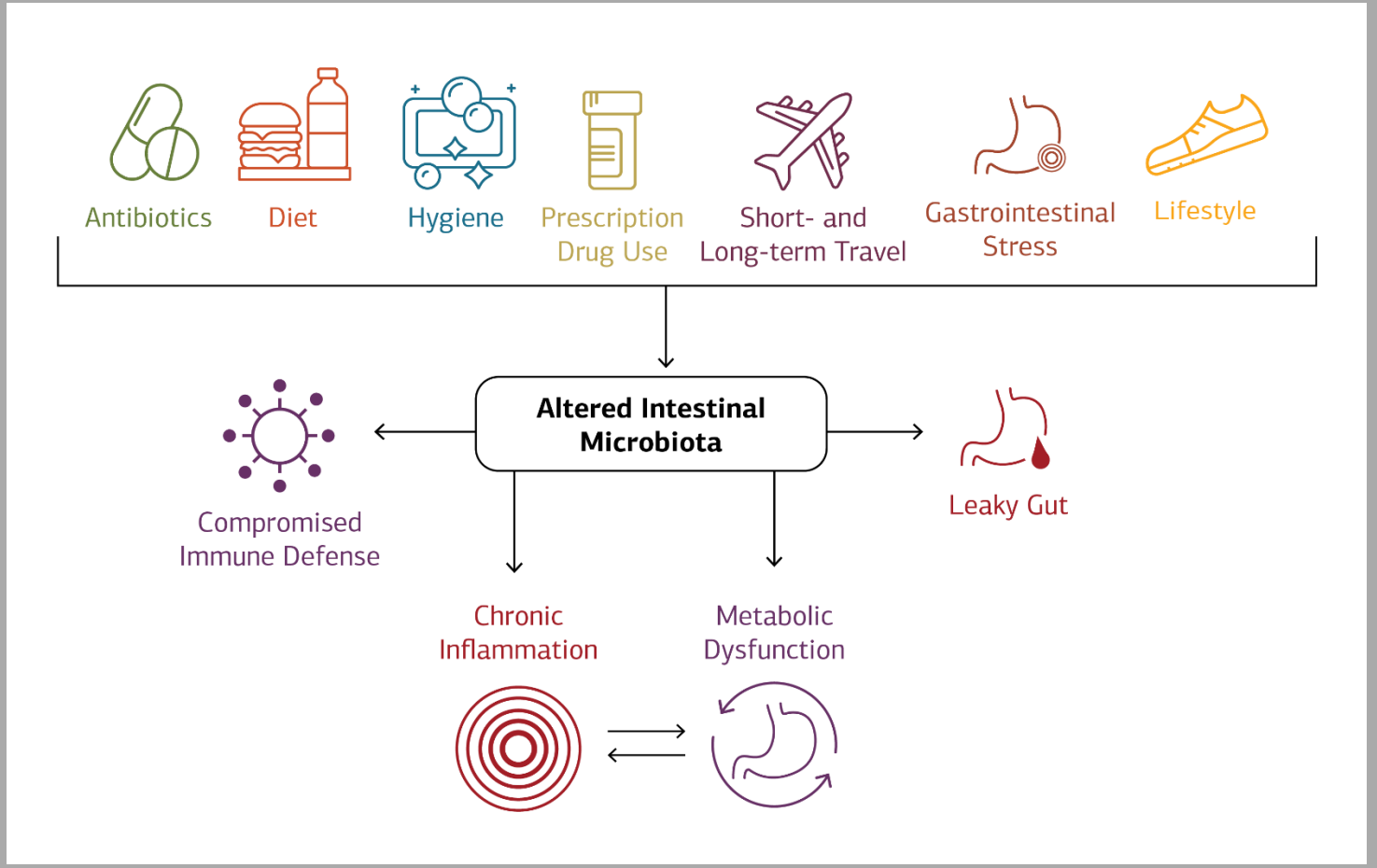
Known Disruptors of GI Homeostasis

- Antibiotic use
- Prolonged prescription drug use
- Dietary changes
- Gastrointestinal stress
- Moving to a new country
- Short-term travel
- Environmental toxins



1. *Microbial population response to outside influences Lozupone, C.A., et al.,* Diversity, stability and resilience of the human gut microbiota. *Nature, 2012.* ***489****(7415): p. 220.*
2. *Vangay, P., et al., US Immigration Westernizes the Human Gut Microbiome. Cell, 2018. 175(4): p. 962-972.e10.*
3. *Jackson, M.A., et al., Gut microbiota associations with common diseases and prescription medications in a population-based cohort. Nature communications, 2018. 9(1): p. 2655-2655.*
4. *Kim, S., A. Covington, and E.G. Pamer, The intestinal microbiota: Antibiotics, colonization resistance, and enteric pathogens. Immunological reviews, 2017. 279(1): p. 90-105.*
5. *Francino, M., Antibiotics and the human gut microbiome: dysbioses and accumulation of resistances. Frontiers in microbiology, 2016. 6: p. 1543.*
6. *Graf, D., et al., Contribution of diet to the composition of the human gut microbiota. Microbial ecology in health and disease, 2015. 26(1): p. 26164.*
7. *Rasko, D.A., Changes in microbiome during and after travellers' diarrhea: what we know and what we do not. Journal of travel medicine, 2017. 24(suppl_1): p. S52-S56.*
8. *Youmans, B.P., et al., Characterization of the human gut microbiome during travelers' diarrhea. Gut Microbes, 2015. 6(2): p. 110-119.*
9. *Rosenfeld, C.S. Frontiers in cellular and infection microbiology, 2017. 7: p. 396.*

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Benefits of GI Stability

- Helps support a healthy gut microbiome*
- May help support the immune system*
- Studies show that 2’-FL helps support the growth of beneficial bacteria*^
- Collinsonia root has been historically used to support normal elimination and digestive health*

^To date, shown in multiple animal studies, infants, and one adult human study.

Caution: This product is processed in a facility that manufactures other products containing soy, milk, egg, wheat, peanut, tree nuts, fish, and shellfish.

Supplement Facts

Serving Size: 2 Wafers
Servings per Container: 45

	Amount per Serving	%Daily Value
Calories	10	
Total Carbohydrate	2 g	<1%*
2-Fucosyllactose	1666 mg	†
Collinsonia (root)	200 mg	†
Proprietary Blend Organic beet (root) and okra (fruit).	440 mg	†

*Percent Daily Values are based on a 2,000 calorie diet.
†Daily Value not established.

Other Ingredients: Organic rice (hull) concentrate and calcium stearate..

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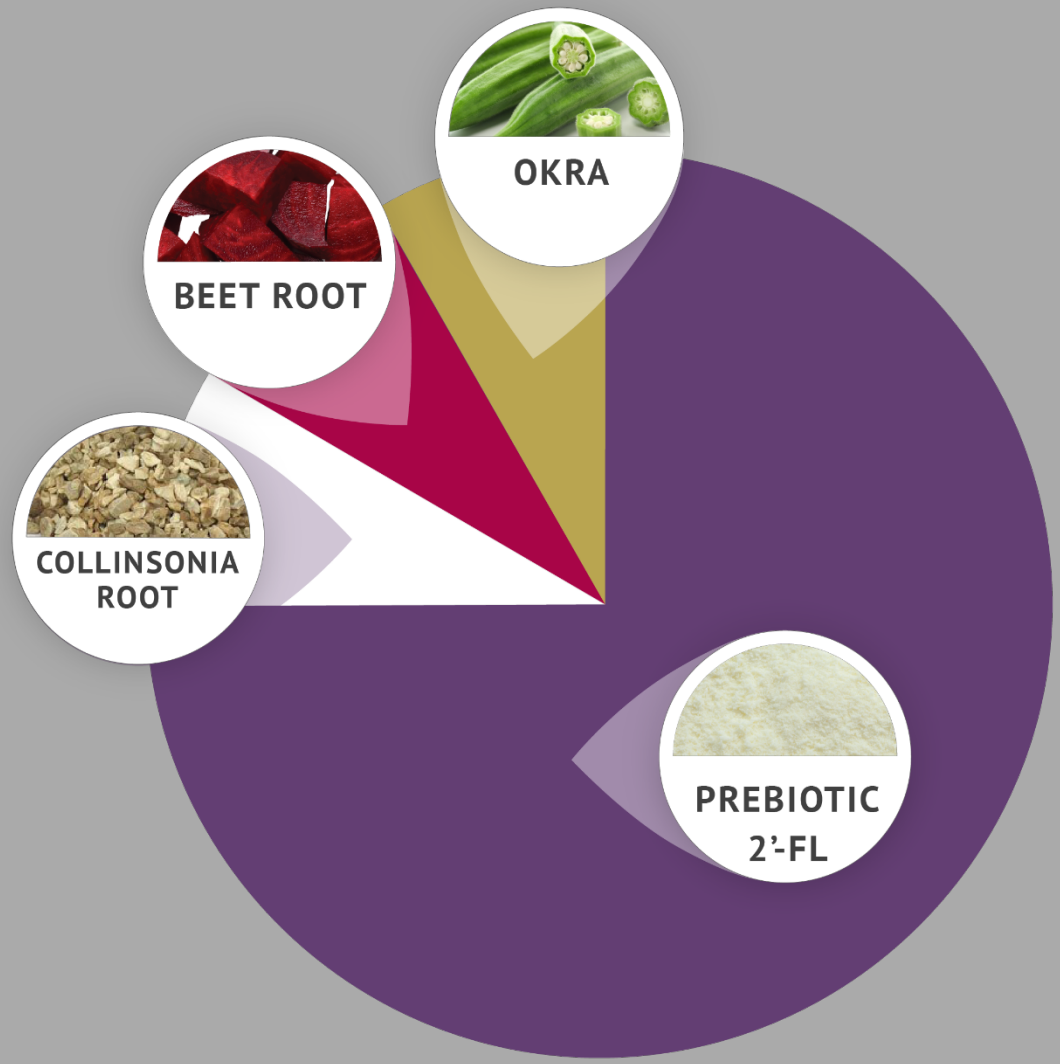
GI Stability – *With Prebiotic 2'-FL*



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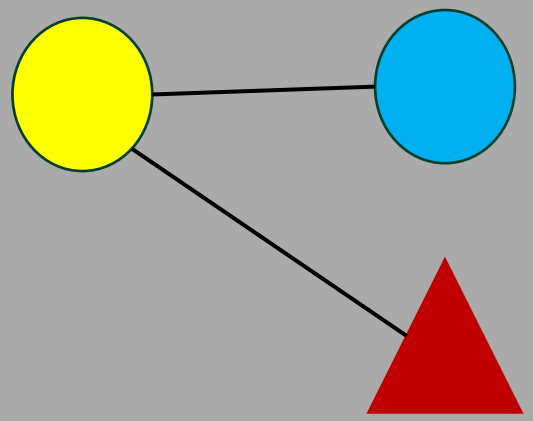
2’-FL is a Human Milk Oligosaccharide (HMO)

2’-FL



For babies, human milk has been shown to be the “gold standard” for infant nutrition.

Breast-feeding leads to favorable results with respect to growth patterns, nutritional status, immune protection, microbial population cultivation, and long-term development.

HMOs have been found to be a major player in these benefits; their unique structure lets only a small number of beneficial microbes use them to grow.

1. Bode, Lars. 2012. 'Human milk oligosaccharides: Every baby needs a sugar mama', *Glycobiology*, 22: 1147-62.

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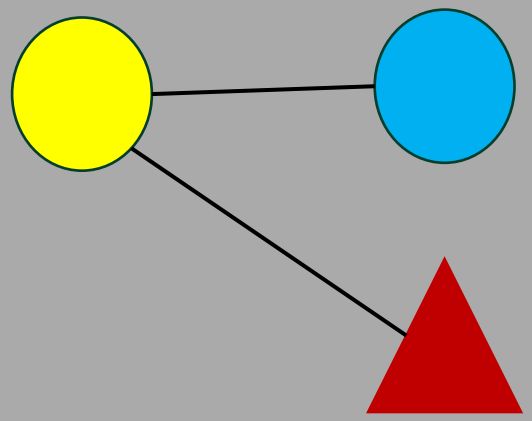
2’-FL



The 2’-FL in GI Stability is from the highest quality source

- Derived from a microbial fermentation process
- Structurally equivalent to human milk
- Vegetarian
- Gluten free
- Lactose free
- FDA Generally Recognized As Safe

GLUTEN FREE

VEGETARIAN

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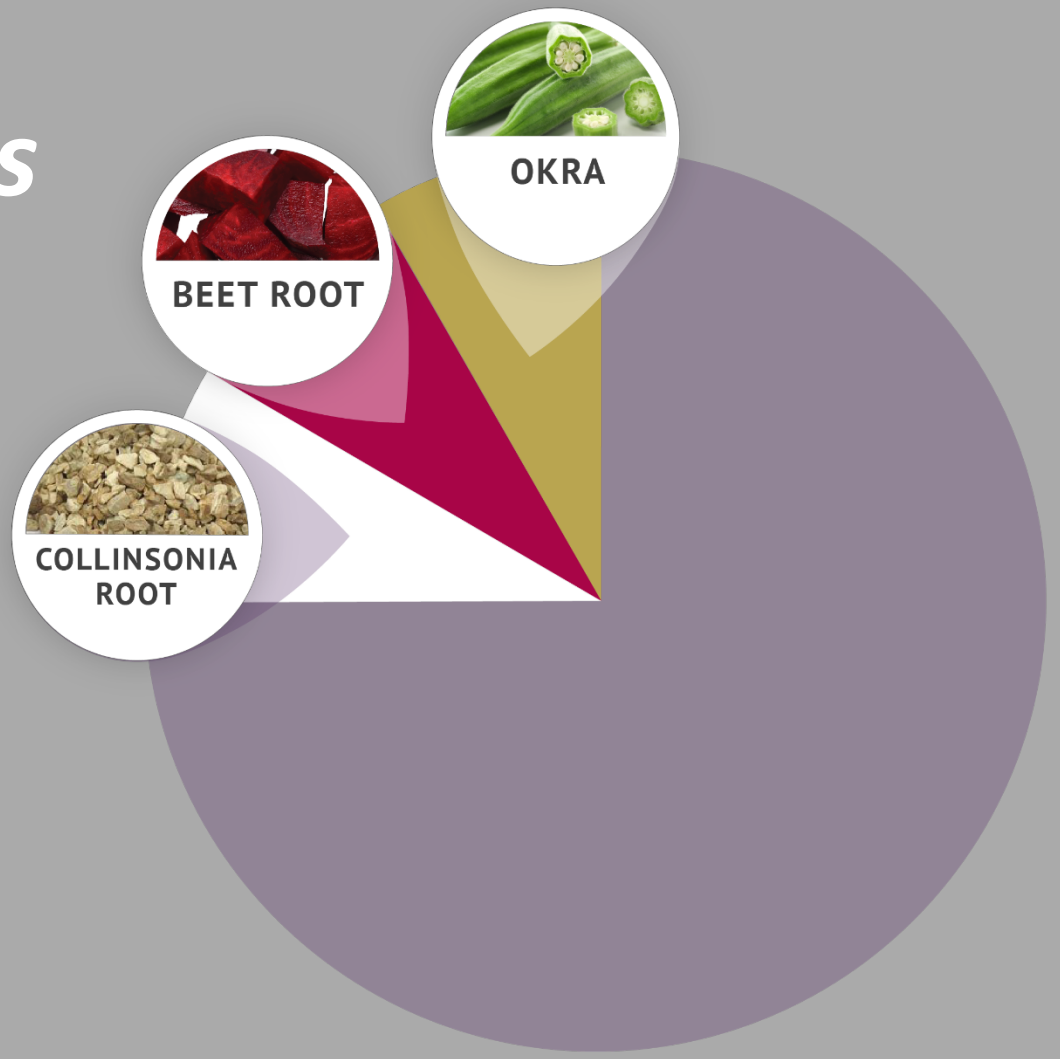
GI Stability – *Whole-food and botanical components*

- Fiber and phytonutrient containing ingredients. Herbal component.
- Only mixture of 2’-FL with plant-based ingredients for additional support.



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Collinsonia Root: Traditional Elimination Support Herb

- GI Stability contains Collinsonia Root, which has been historically used to support proper elimination and digestive health*
- For centuries, Collinsonia Root, also known as “Stone Root”, has been used to support various digestive health conditions
- Historical medical journals refer to the use of the root to support elimination at doses in GI Stability
- Three servings daily of GI Stability delivers equivalent dose to 1 serving of current Standard Process Collinsonia Root product (600mg)

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GI Stability as a Source of Okra and Organic Beets

One Serving GI Stability = the amount in SP Okra Pepsin E3

More beetroot in one serving of GI Stability than SP Betafood®

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Chewable Wafer - Dose Range

Long-term Needs

- One Serving delivers 1.666 g 2’-Fl
- Naturally Sweet flavor from the 2’-FL with slightly herbal aftertaste
- Adult equivalent dose for use as a daily prebiotic to help support immune health* translated to from amount in infant formula studies[1]
- For long term daily use

Acute Needs

- Three Servings deliver 5.0 g 2’-Fl
- Taken with each meal throughout day
- Recommended for acute interventions (2 weeks) when looking to modify the microbiome[2*]

1. *Are Breastfed, Infants Fed a Formula Containing 2’-Fucosyllactose Have Lower Inflammatory Cytokines in a Randomized Controlled Trial.* The Journal of Nutrition, 2016. **146**(12): p. 2559-2566.
2. Elison, E., et al., Oral supplementation of healthy adults with 2'-O-fucosyllactose and lacto-N-neotetraose is well tolerated and shifts the intestinal microbiota. Br J Nutr, 2016. 116(8): p. 1356-1368.

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Synergistic Products

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Elimination Support

ChelaCo contains Hawthorn, Milk Thistle Seed and Garlic, herbs traditionally used to provide general detoxification support.*

Immune System Support

Epimune Complex is a vegan immune system support supplement designed to help the immune system stand up to challenges.*

Diverse Microbiome Support

Whole Food Fiber is a good source of fiber from nutrient-rich whole foods such as carrots, sweet potatoes, and beets.*

Probiotic Support

ProSynbiotic is a synergistic blend of four research-supported probiotic strains and two prebiotic fibers to support gut flora and overall intestinal health.*

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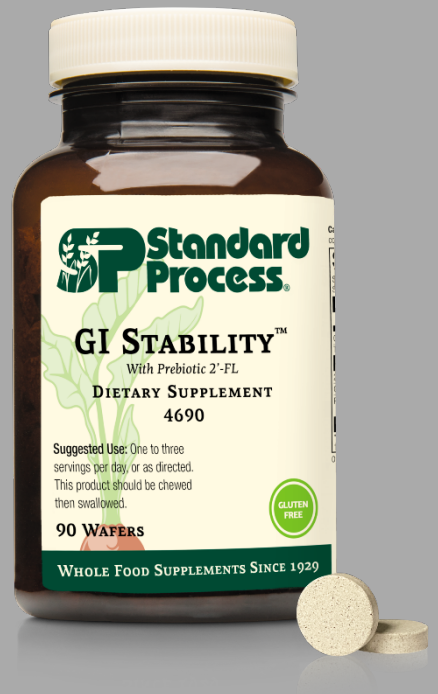

GI Stability™ 90 wafers

Product #	SLP	Quantity
4690	$59.00	_____

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