#### Helping good microbes balance the bad microbes is critical to our overall well-being.<sup>13</sup>

#### Healthy microbiome helps with:14

- Immune defense
- Metabolism
- Modification of phytochemicals
- Supporting elimination
- Vitamin biosynthesis
- Influencing wholebody health



#### **HOMEOSTASIS**<sup>13</sup>

- High diversity in species and function
- Ability to resist change under physiological

#### GOOD BACTERIA

**Commensals:** Permanent residents that provide much-needed bacterial diversity.

**Symbionts:** Commensal microbes living in the Gl that have evolved to perform beneficial functions.

#### BAD BACTERIA

**Pathobionts:** Resident microbes that can cause disruptions under certain conditions.







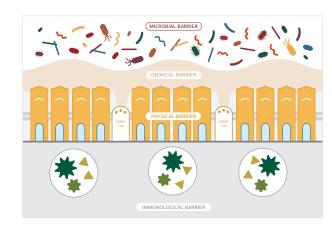


DYSBIOSIS13

External factors capable of adversely modifying the microbiome and interfering with ideal function include:15-22

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

## The GI Tract is the Body's Largest Immune Organ



Our immune defense relies on a functional gut barrier, and the layers of protective barriers in the gut to protect us from the trillions of microbes living in the GI.<sup>23</sup>

The gut barrier is maintained by four key players: a healthy gut microbiome, a mucus-containing chemical barrier, a layer of tightly connected epithelial cells, and an immunological barrier of cells ready to respond to outside threats.<sup>24</sup> We depend on good bacteria to stay healthy, and we depend on proper barrier functioning to handle any distress that may occur within its walls.25

Proper GI integrity and a healthy gut microbiome help support immune defenses by influencing the development and production of immune cells, and by helping to regulate local GI and systemic immune system responses.<sup>26,27</sup> Sustaining these microbes and supporting the cells that make up the GI lining with selective prebiotics is essential for GI support in the face of acute and chronic GI stress.<sup>26,27</sup>

#### Normal GI function is characterized by:28

- Effective digestion and absorption of food
- Normal and stable intestinal microbes
- Effective immune status
- Functioning GI barrier system
- Overall well-being

## Together, We Can Change Lives

Changing lives is our passion and has been since our company's inception in 1929. This passion is what drove our founder, Dr. Royal Lee, to develop and pioneer the first whole food-based supplement on the market, the revolutionary Catalyn<sup>®</sup>.

#### At Standard Process:

We change lives with our whole food philosophy We grow ingredients on our certified organic farm in Wisconsin. We're serious about quality.

We make products to support the health of the whole family. We team-up with health care professionals.

We've been trusted for generations. Our products have been changing lives since 1929.

15. Vangay, P., et al. Cell, 2018. 175(4): p. 962-972.

49(5): p. e339-e339

20. Rasko, D.A. Journal of travel medicine, 2017. 24(suppl\_1): p. 552-55 21. Youmans, B.P., et al. Gut Microbes, 2015. 6(2): p. 110-119.

22. Rosenfeld, C.S. Frontiers in cellular and infection microbiology, 2017. 7: p. 396. 23. Leech, B., J. Schloss, and A. Steel. Advances in Integrative Medicine, 2019. 6(1):

Figueroa-Lozano, S. and P. de Vos. Comprehensive Reviews in Food Science and Food Safety, 2019. 18(1): p. 121-139.

25. Kim, D., M.Y. Zeng, and G. Núñez. Experimental & Molecular Medicine, 2017

26. Shukla, S.D., et al. Clinical & Translational Immunology, 2017. 6(3): p. e133

27. Budden, K.F., et al. Nature Reviews Microbiology, 2017. 15(1): p. 55-63.



## GI Stability™

Contains 2'-FL — a unique prebiotic



Formulated to support the growth of beneficial bacteria and provide digestive support\*

Standard Process.

1. Chan, Y.K., et al. Annals of Nutrition and Metabolism, 2013. 63(suppl 2): p.

4. Yu, Z.-T., C. Chen, and D.S. Newburg. Glycobiology, 2013. 23(11): p. 1281-1292.

7. 6. F., E., Southwest School of Botanical Medicine, Arizona, 1919; p. 142-146.

11. Joanne Barnes, L.A.A.a.J.D.P. Pharmaceutical Press, 2007. Third Edition

13. Petersen, C., & Round, J. L. (2014). Cellular microbiology, 16(7), 1024–1033.

14. Ciorba, M.A. Clinical Gastroenterology and Hepatology, 2012. 10(9): p. 960-968.

9. W. N. MUNDY, M.D., H. T. WEBSTER, M.D., JOHN W. FYFE, M.D., J. M. SCUDDER, M. D., F. J. LOCKE, M.D., H. W. FELTER, M.D., KENT O. FOLTZ, M.D., GEORGE P.

BURTCH BY, M.D., Mr. W. F. HAMMER, JOHN URI LLOYD. LLOYD BROTHERS,

2. Ruan, W., et al. Digestive Diseases and Sciences, 2020: p. 1-11. 3. Gibson, G.R., et al. Nat Rev Gastroenterol Hepatol, 2017. 14(8): p. 491-502.

6. Marcobal, A., et al. J Agric Food Chem, 2010. 58(9): p. 5334-40.

8. Shoemaker, J.V. British Medical Journal, 1887: p. 712-713.

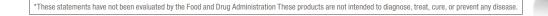
5. Bode, L. Glycobiology, 2012. 22(9): p. 1147-1162

Pharmacists, Inc. Cincinnati, Ohio, 1904.

12. Elison, E., et al. Br J Nutr, 2016. 116(8): p. 1356-1368.

10. Grieve, M. 1995-2018 1931.





## Protect the Complex GI Environment with GI Stability™

Digestive health issues affect daily life for millions of Americans. Many of these conditions are associated with a disrupted microbiome<sup>1</sup> that throws the GI system out of balance and may cause gut distress. Lifestyles, diets, antibiotic use, and traveling patterns have the potential to expose the body to disrupt the microbiome. Building resilience to disruption is important – it helps give the human microbiome the ability to return to equilibrium.<sup>2</sup>

GI Stability contains a prebiotic that feeds beneficial bacteria while helping support a healthy gut microbiome.\*

#### **How it Works:**

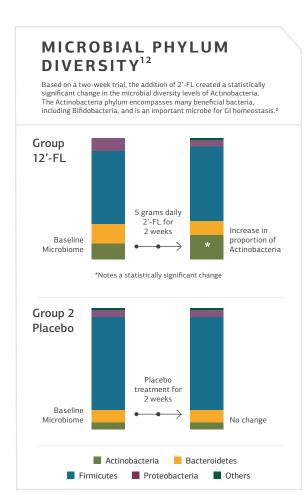
GI Stability contains 2'-FL – a unique prebiotic HMO (Human Milk Oligosaccharide) that resists digestion and moves directly to the lower GI tract where it becomes effective in feeding selective bacteria.<sup>3</sup> Studies show that HMOs have a unique structure that is preferred by beneficial microbes who use them to grow.<sup>4,5</sup>

#### Why HMOs are Important:

HMOs are naturally found in human milk and contribute to the benefits of breast-feeding that are linked to long-term development, immune protection, and microbial population cultivation.<sup>5,6</sup> These benefits are not exclusive to infants, though. GI Stability is a great source for targeted prebiotic action that contributes to a healthy microbiome and may provide immune system support.\*

#### **GI Stability supports normal GI Function**

GI Stability includes beet root and okra powder — ingredients with whole food-based fiber that support proper elimination.\* It also contains Collinsonia Root; for centuries, historical medical journals have utilized this botanical ingredient to support various digestive health conditions.<sup>7-11</sup>



A two-week intervention with 5 grams of 2'-FL daily modifies the microbiome. Three servings of GI Stability delivers 5 grams of 2'-FL.

# Taking a Systems-Based Approach to Balancing the Microbiome

Standard Process supplements provide a holistic approach to nurturing the digestive system. Healthful living begins with a healthy body, and managing the digestive system properly is vital to whole body health.



### Supports the GI Tract by delivering targeted prebiotic ac

Supports the GI Tract by delivering targeted prebiotic action, supporting a healthy gut microbiome, and feeding the growth of beneficial bacteria.\*^

- Helps support a healthy gut microbiome\*
- With prebiotic 2'-FL: studies show that 2'-FL helps support the growth of beneficial bacteria\*^
- May help support the immune system
- Contains Collinsonia Root, which has been historically used to support normal elimination and digestive health\*

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

ACUTE USE: Three servings per day. For short-term use to modify the microbiome.

LONG-TERM USE: Single serving per day as a daily prebiotic.

\*These statements have not been evaluated by the Food and Drug Administration These products are not intended to diagnose, treat, cure, or prevent any disease.

## Synergistic Products for Whole System Support



#### ChelaCo

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



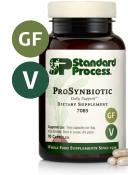
#### Epimune Complex

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



#### Whole Food Fiber

Diverse Microbiome Support Whole Food Fiber is a good source of fiber from nutrientrich whole foods such as carrots, sweet potatoes, and beets.\*



#### ProSynbiotic

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.\*

