

For Immediate Release:

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A Healthy Gut May be the Key to Weight Management

Klaire Labs[®] launches a new patent-pending probiotic formula that supports healthy weight and energy metabolism.

RENO, Nev. Aug. 28, 2015 – Millions of people struggle with obesity and weight-related disorders throughout their lives. Data from the National Health and Nutrition Examination Survey show that 2 of 3 adults and one-third of adolescents in the U.S. are overweight or obese. For many, a healthy diet and regular exercise aren't enough to support a healthy weight. Evolving studies demonstrate that another aspect might be a balanced, robust gastrointestinal microbiota. Klaire Labs, a ProThera, Inc. brand, now offers a new probiotic formula designed to help favorably support gastrointestinal microbiota diversity.

New Ther-Biotic Metabolic Formula provides high numbers of 4 *Bifidobacterium* and 3 *Lactobacillus* species that may play a beneficial role in regulating energy extraction from the diet, producing bioactive substances that influence carbohydrate and lipid metabolism, sustaining gut barrier function, and modulating inflammation. It is intended for daily use as part of a nutritional weight management program to reinforce and sustain a healthy balance of microbiota.

Helps Reduce Calories Extracted from Foods

Evidence indicates that probiotic supplementation may assist in maintaining a healthy weight and glucose homeostasis by helping balance the gut microbiota. It has long been known that the gut microbiota extracts energy from dietary substances such as fiber that are indigestible by the host. An unbalanced, or dysbiotic, microbiota may promote weight gain by facilitating the absorption of excessive calories. Conversely, rebalancing the intestinal microbiota with probiotics may reduce the amount of calories extracted from foods for host absorption and thereby help support healthy body weight. The substantial amounts of *Lactobacillus* and *Bifidobacterium* species in this formula support microbiota diversity and a healthy variety of microorganisms in the digestive tract.

Produces Conjugated Linoleic Acid

Evidence indicates that probiotic strains, such as *Lactobacillus rhamnosus*, have been shown to synthesize and secrete conjugated linoleic acid (CLA). CLA is a naturally occurring fatty acid that has unique effects on fat metabolism. Studies demonstrate it exerts a favorable effect on the way the body burns and stores fat. CLA may beneficially alter body composition by decreasing adipocyte size, increasing adipocyte apoptosis, decreasing lipogenesis, and/or increasing fatty acid oxidation. In addition, the CLA produced by probiotics may also beneficially affect glucose metabolism. Ther-Biotic Metabolic Formula provides a variety of probiotic species that promote CLA production within the intestinal tract.

Helps Modulate Inflammation

Obesity is associated with chronic, low-grade inflammation. LPS - or lipopolysaccharide - induced inflammation has been posited as a contributory factor to obesity, blood glucose dysregulation, and possibly other metabolic disorders. Bifidobacteria and lactobacilli directly bind LPS in the gut lumen. Attenuation of LPS levels may be one of the principal mechanisms by which probiotics favorably impact body weight and glucose metabolism. The seven probiotic species in Ther-Biotic Metabolic Formula work together to help modulate inflammation within the gut and also provide additional benefit by sustaining normal gut barrier function and antagonizing pathogenic organisms by directly competing for nutrients and living space.

To purchase or learn more about new Ther-Biotic Metabolic Formula and how gut microbiota influences weight go to www.protherainc.com.

ProThera®, Inc. is a Reno-based manufacturer of ProThera®, Klair Labs®, and Complementary Prescriptions™ brand dietary supplements. ProThera®, Inc. operates a GMP 9000 registered facility certified by NSF® International. For more information go to www.protherainc.com. Products are available exclusively to healthcare professionals.

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