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### Press Release

## **A UNIQUE SUGAR MAY BE KEY TO ENERGIZING THE FAILING HEART**

Bioenergy Life Science's D-ribose offers promising options for energy-deprived hearts

MINNEAPOLIS, MN, MARCH 22, 2007—Following the recent publication in the *New England Journal of Medicine* that the failing heart is an “engine out of fuel” (N ENGL J MED 356;11, March 15, 2007), Bioenergy Life Science reports that D-ribose, a simple, five-carbon sugar, is a plausible option for addressing the nation's heart disease epidemic.

“When heart failure develops, many factors are involved, but energy deprivation is among the most important,” said John St. Cyr, MD, PhD, the medical director of Bioenergy Life Science. “We've learned recently that patients with heart disease may have a deficient supply of high energy compounds. Past studies have demonstrated that D-ribose supplementation enhances the return of ATP levels with an associated improvement in diastolic function.”

D-Ribose, unlike glucose, is a five-carbon sugar important for DNA, RNA, and most importantly, ATP, the “energy currency” of the cells. ATP is crucial in maintaining the integrity and function of every cell, which is necessary for day- to-day health. Ribose is one of the essential components of the ATP molecule.

D-Ribose, as a supplement, has repeatedly shown to improve functional capacity, quality of life, and everyday activities for patients afflicted with congestive heart failure.

Dr. Neubauer's article, “The Failing Heart — An Engine Out of Fuel,” calls attention to the important underlying metabolic problem in patients with heart failure. “D-ribose could aid in this metabolic deficiency,” said Dr. St. Cyr. “The number of heart failure patients continues to grow every year. By replenishing ATP to an energy-deficient heart we can significantly improve a patient's quality of life.”

Bioenergy Inc. is a privately held, Minneapolis-based life sciences company whose core technology lies in the development and commercialization of products based on the physiological benefits of D-ribose in health and wellness. Bioenergy's clear mission is to develop products that increase the quality of its customers' lives by improving their metabolic health. Bioenergy Life Science, Inc., its subsidiary, markets ribose-based products to the functional food and clinical nutrition markets. Bioenergy Life Science products include Bioenergy RIBOSE™, a functional ingredient in the active lifestyle market; Corvalen®, and CorvalenM®, clinical nutrition products giving metabolic support to patients with heart and muscle disease.

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