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.

- Helps promote and maintain healthy muscle tissue.*
- Quality yellow pea protein base with added L-leucine & HMB.*
- Comprehensive macronutrients, activated vitamins & minerals & specialty ingredients to help address inflammatory processes.*

Decreased muscle mass (sarcopenia) has a profound effect on quality of life, influencing a wide range of health parameters far beyond the obvious loss of strength and balance which signal the condition. In practice, sarcopenia lies at the heart of many chronic issues seen in our patients, notably decreased insulin sensitivity and energy production. By helping to promote muscle synthesis and optimize muscle mass and function, the ingredients in SarcoSelect DF™ can help to promote positive clinical outcomes in individuals with sub-optimal muscle mass, regardless of the patient’s chief complaint.

SarcoSelect DF™ is an original, cutting edge formula: a macronutrient-based, functional food rich in quality plant-based yellow pea protein and leucine plus bioavailable micronutrients and anti-inflammatory compounds, designed to help optimize muscle physiology in patients with declining lean body mass.

Provided in a low-glycemic natural vanilla flavor, SarcoSelect DF™ can be mixed simply with water, almond milk or beverage of choice, or blended with fruits to create a tasty shake. Depending on patient needs, SarcoSelect DF™ may be used as a meal replacement, snack or pre/post-workout beverage. Timing consumption of this product to coincide with a high protein-containing meal, pulse-feeding style, may yield the best anabolic results, according to research.

The original whey-based SarcoSelect™ formula was based on research published in 2011 by Nicholas E.P. Deutz et al in the journal Clinical Nutrition. This paper describes the results of a randomized, double blind study where ingestion of a complete, balanced functional food beverage containing added whey protein and leucine was able to significantly stimulate muscle protein synthesis in resting patients, whereas a standard functional food beverage without additional protein and leucine had no effect on muscle protein synthesis in resting patients. SarcoSelect DF™ replicates this formula using plant-based protein instead of whey, making it suitable for individuals who are sensitive to dairy.

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It is noteworthy that patients in the Deutz et al study were experiencing cancer-induced muscle wasting (i.e. cachexia, a metabolic endpoint analogous to sarcopenia) with systemic inflammation a universal finding—as it is in our chronically ill patients. This and other clinical similarities between sarcopenic muscle loss and cancer-related cachexia make the Deutz et al results profoundly applicable to patients for whom decreasing muscle mass and a chronically inflamed physiology serve as both causes and effects of increased allostatic load, a vicious cycle that inhibits improved symptomology and outcomes.

Findings from the Deutz et al study are also notable in that subjects taking the protein/leucine enhanced supplement were found to synthesize new muscle proteins while at rest. Protein and branched chain amino acid supplements are well known to help increase muscle mass in conjunction with weight bearing exercise. The fact that individuals who took the experimental functional food were able to build muscle while lying down speaks to the formula’s potential. SarcoSelect DF™ may be highly beneficial even, if not especially, for the catabolic patient who is unable to participate in regular exercise.

The YELLOW PEA PROTEIN in SarcoSelect DF™ is GMO-free and offers a full complement of essential amino acids including leucine, an amino acid capable of directly stimulating muscle protein synthesis. A 2015 double-blind, randomized clinical study showed that pea protein was equivalent to whey protein in increasing muscle thickness following resistance training.

Free LEUCINE is added to SarcoSelect DF™ to help support and enhance its anabolic properties. HMB, a metabolite of leucine, has been clinically shown to help maintain and promote muscle mass in adults, both with and without resistance training.

COMPLEX CARBOHYDRATES from Tapioca Maltodextrin are included in SarcoSelect DF™ based on research suggesting that a properly balanced carbohydrate:protein ratio enhances protein absorption and intracellular uptake, leading to increased muscle synthesis. FIBER from Organic Flaxseed, Inulin and Oligosaccharides helps to promote satiety, support cholesterol excretion and blunt the post-prandial glucose response via delayed gastric emptying and inhibition of starch degradation in the small intestine.

INFLAMMATION SUPPORT comes from Meriva® Curcumin Phytosome, a patented turmeric extract that bonds curcumin to non-GMO soy lecithin in a 1:2 ratio for enhanced lipid solubility. Research suggests Meriva® provides at least a 20-fold increase in curcuminoid absorption compared to standardized curcumin extracts. As primary active phenols in turmeric, curcuminoids have been shown to switch off inflammatory pathways by influencing both COX enzymes and NF-kB transcription factors.

TARGETED VITAMINS & MINERALS in SarcoSelect DF™ feature fully chelated Albion® minerals for enhanced bioavailability, and folate in its preferred activated form, 5-methyltetrahydrofolate, to help support healthy methylation. The micronutrients in Moss Nutrition SarcoSelect DF™ help to make it “a multi with direction,” one that truly will make a difference to your patients.

REFERENCES