White Paper

Product:
WHEYBeyond™

Ingredients:
Undenatured Whey Protein (Cold Cross-Flow Ultrafiltered and Advanced Dual Microfiltered), L-Glycine, Citric Acid, Lecithin, Natural Raspberry Fruit Powder, Organic Beet Root Powder, Natural Blueberry Fruit Powder, Stevia Leaf Extract.

Ingredient Pharmacology:
Undenatured Whey Protein from sweet dairy whey processed in controlled ph and temperature delivering bioactive properties such as “antihypertensive, antimicrobial, immunodulatory, mineral carrier and antithrombotic. This overview presents a perspective of the importance of specially extracted dairy proteins in the production of bioactive peptides and their biological activities.” A

Glutathione saturation: Supplementation daily food intake with a properly manufactured whey protein provides the quality precursors (glutamyl cysteine dipeptide) for the glutathione antioxidant in a supplement form that is void of unnecessary fat and carbohydrate calories. (1, 2)

Chelating agent: Glutathione and the sulphur content of the amino acids that make up whey peptides help chelate and remove toxic metals in the body. The naturally occurring lactoferrin of whey also serves as a heavy metal chelating agent and natural antiviral agent. (3, 4)

Anti-inflammatory/Antioxidant: A properly manufactured whey protein helps control oxidation and through this means supports better control over inflammation. (1, 4)

Appetite control: The high glycomacropeptide (GMP) content of a properly processed whey helps improve satiety or the feeling of fullness. Research has shown this fraction of the whey imparts many of whey’s touted benefits and some whey extractions completely or partially eliminate it. (26, 27)

Blood sugar clearance: Whey protein delivers it’s payload of amino acids to the blood stream faster than most other sources measured against it and supports blood sugar clearance to help manage states of insulin resistance and even type II diabetic conditions. (7, 8)

Obesity and fat management: A properly processed whey protein supports healthy low fat protein intake for the day, better appetite control and improved glycemic load and at a low calorie load. (7, 8, 9)
Lean muscle enhancement: Research shows that whey protein will support recovery and regeneration of muscle both at rest and after exercise better than soy and casein protein sources. (9, 10, 11, 12)

Immune system response: A properly manufactured whey protein supports more expeditious and accurate immune system response to microbe invasion. (5, 6, 13, 14, 24, 25)

Stress tolerance: A properly manufactured whey is rich in branched chain amino acids (BCAA) that help counter the tissue-degradation and cognitive interference associated with elevated cortisol; improves serotonin, reduces cortisol and improves mood while under stress. (18, 19)

Mental acuity and cognitive performance: The BCAA load supplied by whey also regulates brain alertness by helping control neuron response to tryptophan. BCAA’s down regulate tryptophan availability to the brain to keep it in high gear just as they serve as energy sources for fatigued muscles to allow them to work through high workload. The right whey derived amino acid profile supports maximum brain health and cognitive performance. (18, 19)

Cardiovascular health: The GMP fraction of a properly manufactured whey protein plays a central role in cardiovascular health. Research shows that this fraction is largely responsible for the cholesterol benefits associate with whey; whey protein is shown in studies to improve vasodilation and blood pressure. (16, 17)

Dental health: Merging research is showing in both human and canine studies that lactoperoxidase from whey has an antimicrobial activity in the oral cavity to reduce microbe adherence associated with tartar and calculus build up. (20, 21, 22, 23)

Bone health: This delicate GMP fraction of a properly manufactured whey is shown to support calcium absorption to help combat osteoporosis and support dental health. (22, 23)

Intestinal health: The GMP component of a properly manufactured whey also plays a helpful role in gut friendly bacterial health supporting the deterrence of pathogens; helps mediate symptoms of colitis and inflammatory bowel. (24)

Lecithin: Provides natural texture and emulsification of the beverage mix; research shows lecithin supports liver health and can help down regulate serum cholesterol; supports neurological health. (28, 29)

Natural Berry fruit and stevia: Whey beyond is all natural - flavored and sweetened with high ORAC value berry fruit powders and stevia leaf extract. (DOES NOT CONTAIN ARTIFICIAL FLAVOURING IOR SWEETENING AGENTS)

Glycine: Natural amino acid sequestering agent used to help naturally preserve integrity of the whey protein biological value.
For children and Adults: Uncontrolled oxidation and inflammation also puts our children at a disadvantage in intramural sport and other physical activities at school. At this life stage these activities can otherwise form the basis for character and confidence building if their health and performance were supported to full capacity. Whey supports physical and mental performance for our children too.
References:


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