

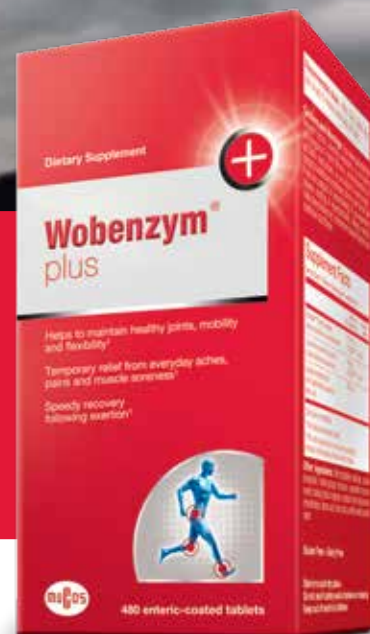
KEEP ON MOVING™

Wobenzym®



Helps to:

- Maintain healthy joints
- Promote recovery after surgery
- Balance inflammation
- Relieve muscle soreness
- Relieve everyday aches and pains



Wobenzym® plus

	Practitioner Price	MSRP
120 Tablets	\$29.97	\$49.95
240 Tablets	\$53.97	\$89.95
480 Tablets	\$95.97	\$159.95

Supplement Facts

Serving Size 2 Tablets • Servings per container 240

	Amount Per Serving	%DV
Bromelain** (from pineapple (<i>Ananas comosus</i> var <i>comosus</i>) stem)	270 mg (1350 FIP***units)	*
Trypsin (from porcine (<i>Sus scrofa</i>) or bovine (<i>Bos taurus</i>) pancreas)	144 mg (4320 FIP***units)	*
Rutoside trihydrate (from <i>Styphnolobium japonicum</i> flower bud)	300 mg	

*Daily Value not established. / **From dried purified aqueous extract. / ***FIP is the measurement of enzyme activity according to methods of the International Pharmaceutical Federation.

Other ingredients: Microcrystalline cellulose, calcium phosphate, hydroxypropyl cellulose, vegetable stearate, enteric coating (sodium alginate, medium chain triglycerides, ethylcellulose, stearic acid, oleic acid, purified water) purified water.

Recommended dose: Adults: Take 2 tablets twice daily at least 45 minutes before meals with water.

Healthy joints

Healthy joints are something we often take for granted, but we have to be proactive to keep our joints and ligaments in peak form. Study after study has proven that Wobenzym helps to maintain healthy joints, and it even relieves the pain associated with joints. This is why Wobenzym is one of the best selling joint health brands in Germany and throughout Europe.

Injury recuperation

Few things are more frustrating than the time taken to recover from injuries, trauma and surgery. Working to maintain inflammation at healthy levels to support optimal recuperation after injury, Wobenzym has proven effective at getting athletes and all of us back on track faster, with the clinical trials to back it up.

Everyday aches and pains

Let's face it, pain is a reality and many of us experience aches and pains on a daily basis. Be it the aftermath from sporting efforts, a long hike a little beyond our level of fitness or simply as a result of the rigors and wear and tear of daily life, Wobenzym provides effective relief. With clinical proof to back it up, Wobenzym is trusted by many elite athletes to get them back to training faster.

Inflammation

It is a well-known fact that inflammation impacts our health and plays a big role in aches and pains. Not as well known is the fact that inflammation is a natural response of the immune system and is critical for the body to heal itself properly. Inflammation is part of the healing and regenerative process. As with many things in life, balance is the key. Wobenzym can help to maintain healthy inflammation levels by balancing cytokines – one of the inflammatory molecules that can cause pain and stiffness when they are out of balance.

Immune system

The immune system is an integral part of the body's inflammatory response. It makes sense that Wobenzym has a beneficial effect on restoring immune balance and reducing the general overload on our immune system. Physical stress and exertion can weaken immunity, making the body vulnerable to infection. Athletes have a term for this: The Open Window Effect. Respiratory tract infections become more prevalent after intense physical stress. Wobenzym is proven to help keep our immune system in peak functional condition allowing us to stay healthy and accomplish our goals.

How Wobenzym® plus works

Enzymes are fascinating as they are biological catalysts that are critical and necessary to support life. In fact, every single second there are 15,000 enzymes guiding 30 quadrillion chemical reactions within our bodies. Whether it's breathing, growing, digestion, energy production, nerve impulses, immune balance, healthy inflammation... all actions of life are directed by enzymes. As we age our enzyme production decreases and we begin to witness the onset of disease and impaired health. This is due to many factors, one of which is believed to be the reduced production of these vital enzymes. This is one of the main reasons why supplementing with Wobenzym can be so helpful and supportive in terms of improving one's health.

Wobenzym contains highly concentrated enzyme compounds of natural origin that help to balance the natural inflammatory response. Wobenzym Plus tablets are enteric coated to protect the important enzymes and to ensure optimal absorption and utilization.

The Future of Systemic Enzymes in Clinical Practice

Barry W. Ritz PhD



Systemic Enzyme Therapy (SET) encompasses the oral administration of combinations of proteolytic (protein-degrading) enzymes from plant and animal sources. Pioneered over 50 years ago,[†] SET has a history of safe and effective use around the world. Systemic enzymes have been applied to a broad spectrum of clinical targets from injury and joint discomfort to immune and vascular health, all united by one common theme: inflammation.

Systemic enzymes are distinct from digestive enzymes, both in their preparation and intended use. First, for SET to be effective, enzymes must be delivered intact to the intestinal lumen, thus avoiding significant participation in the digestive process. Therefore, SET products are usually delivered in an acid-resistant coating, which is a distinction from digestive enzymes. Also, systemic enzymes are specifically intended as a natural alternative for a healthy inflammation response. A recent scientific review summarizes the absorption and pharmacokinetics of orally administered proteolytic enzymes and provides a plausible rationale behind their inflammation balancing effects.¹

Clinical Applications

Numerous human clinical trials have demonstrated the benefits of SET across a range of indications. Most common are comparative trials of Wobenzym® SET in joint health concluding “non-inferiority” to NSAIDs with a relative reduction in adverse effects.^{2, 3, 4} The benefits of Wobenzym® SET in sports medicine, including both in response to injury and post-surgery, have also been well studied, generally demonstrating improved mobility.^{5, 6} Similar results extend to other surgical interventions,^{7, 8} and changes in inflammatory biomarkers, such as relative reductions in C-reactive protein (CRP) post-surgery, have been reported.^{9, 10}

The Next Frontier in SET

Emerging data suggests an important link between chronic, silent inflammation and metabolic syndrome. Inflammation is now recognized as both a consequence and contributing factor in obesity and metabolic dysfunction, and inflammation (measured as CRP) has been proposed as an independent risk factor for diabetes, hypertension, and cardiovascular events.^{11, 12, 13} However, while SET is well established in natural inflammation support, little is known about its potential effects on metabolic health. Recent unpublished data in obese animals with diet-induced metabolic syndrome suggest that Wobenzym® SET may promote a healthy inflammation response, promote insulin sensitivity, and positively influence other metabolic risk factors. These and other observations have inspired Atrium Innovations and its collaborators to further investigate the potential benefits of SET in promoting cardio metabolic health and, thus, pave the way to exploring an exciting new frontier in SET.[‡]

To learn more, attend our **Systemic Enzyme Therapy webinar on Thursday, October 8, 2014.**

Register at **www.SystemicEnzymeHealth.com**

Barry W. Ritz PhD is the Vice President of Scientific and Regulatory Affairs at Atrium Innovations, Inc. Atrium Innovations (www.atrium-innovations.com) is a globally recognized leader in the innovation, formulation, production, and commercialization of innovative, science-based dietary supplements endorsed by health professionals. Dr. Ritz is also a Visiting Associate Research Professor at Drexel University in Philadelphia, PA, and is an active researcher in the field of nutritional immunology. He is involved in a number of professional organizations, including the American Society for Nutritional Sciences, chairs the Council for Responsible Nutrition's Medical Affairs Subcommittee, and has been a member of the dietary supplement industry for over twelve years. His research interests in nutrition science are varied, including the evaluation of immunomodulatory nutraceuticals and the influence of nutritional status on the innate immune response to influenza infection. Dr. Ritz has presented his research at national and international meetings, has numerous publications in scientific journals, and authored a chapter on the use of nutraceuticals for immune restoration in the elderly.

REFERENCES:

- [†] The concept of SET was first introduced by Mucos Pharma in Germany in 1960 with the development of Wobenzym®, based on the findings of the research team of Max Wolf (“Wo”) and Helen Benitez (“Ben”) at Columbia University.
- [‡] For more information visit www.research.atrium-innovations.com.
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