[Developed by Joseph J. Collins, N.D., R.N.]⁺⁺

Protocol Objectives:

This protocol aims to identify typical indications of use and recommend dosing of systemic enzyme support to guide healthcare practitioners. Wobenzym[®] systemic enzyme products are supported by over 200 clinical trials and a history of 50 years of safe and effective use. Based on clinical studies and on practitioner experience, Wobenzym[®] has been successfully utilized to support a variety of clinical objectives throughout its history.⁺

Formulation	Label Dose	Optional Loading Dose"	Attributes ⁺
Wobenzym [®] PS	3 tablets, twice daily	12 tablets daily	Higher potency Acute use
Wobenzym [®] Plus	2 tablets, twice daily	8 tablets daily	Convenient dose Active lifestyle
Wobenzym [®] N	3 tablets, twice daily	12-15 tablets daily	General wellness Long-term use

All Wobenzym® formulations should be taken at least 45 minutes before meals with water.

**Optional loading dose is based on international literature and clinical experience; intended for use under the supervision of a healthcare practitioner

Clinical Objective ⁺	Support Functions ⁺	Formulation(s)	References
Joint Health [†]	 Supports healthy joints, mobility, and flexibility Provides temporary relief of everyday aches, pains, and muscle soreness Speeds recovery following exertion 		1, 2, 3, 4, 5, 6, 7, 8, 9
Post-Surgical Support [†]	 Provides post-surgical comfort and recovery Relieves minor swelling Promotes range of motion following surgery 		10, 11, 12
Post-Injury Support ⁺	 Promotes flexibility and range of motion following mild injury Speeds recovery following mild injury Wobenzym® Plus 		4, 13, 14
Cardiometabolic and Vascular Health [†]	 Promotes healthy fibrolytic and platelet activity Helps maintain healthy glucose metabolism Supports healthy cardiometabolic biomarkers 		15, 16, 17
Gynecological Health ⁺	 Maintains gynecological comfort and health of gynecological tissues Promotes genitourinary health Supports reproductive health 		18, 19
Breast Health ⁺	Supports healthy breast tissue Helps maintain breast comfort		20, 21
Lymphatic Health ⁺	 Promotes lymphatic drainage Supports healthy tissue fluid levels 	Wobenzym [®] N	22
Thyroid Health [†]	Supports tissue functionMaintains thyroid tissue health	Wobenzym [®] N	23
Urinary Tract Health ⁺	 Supports urinary tract comfort and function Helps maintain healthy urinary tract environment 	Wobenzym [®] N	24, 25

⁺⁺Dr. Collins has been retained as a consultant in advising Douglas Laboratories

This protocol is intended for use by healthcare practitioners, is for informational purposes only, and does not establish a doctor-patient relationship. Please be sure to consult your physician before taking this or any other product. Consult your physician for any health problems.

Available for download at www.douglaslabs.com/SystemicEnzymeSupportProtocol





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References:

- 1 Marzin T, Lorkowski G, Reule C, et al. *BMJ Open Sport & Exercise Medicine* 2017;2:e000191.
- 2 Ueberall MA, Mueller-Schwefe GH, Wigand R, et al. Journal of Pain Research 2016;9:941-961.
- 3 Bolten WW, Glade MJ, Raum S, et al. Arthritis 2015;doi:10.1155/2015/251521.
- 4 Kleine MW. Journal of Clinical Research 1998;1:87-102.
- 5 Baumuller M. *Allgemeinmedizin* 1990;19(4):178-182.
- 6 Leipner J, Iten F, Saller R. *BioDrugs* 2001;15(12):779-789.
- 7 Akhtar N, Naseer R, Farooqi A, Aziz W, Nazir M. *Clinical Rheumatology* 2004;23:410-5.
- 8 Klein G, Kullich W. Clinical Drug Investigations 2000;19:15-23.
- 9 Szczurko O, Cooley K, Mills EJ, Zhou Q, Perri D, Seely D. Arthritis & Rheumatology 2009;61(8):1037-1045.
- 10 Kameníček V, Holaň P, Franěk P. Acta chirurgiae orthopaedicae et traumatologiae Cechoslovaca 2001;Ch-7.
- 11 Vinzenz K. Ödembehandlung bei zahnchirurgischen Eingriffen mit hydrolytischen Enzymen. Chirurgische Zahnheilkunde 1991;7:1053-1064.
- 12 Rahn HD. Praktische Sport-Traumatologie und Sportmedizin 1994;10(1):22-27.
- 13 Baumuller M. Allgemeinmedizin 1990;19(4):178-182.
- 14 Rahn HD. Deutsche Zeitschrift für Sportmedizin 1995;9:426-431.
- 15 Mazurov VI, Stolov SV, Linetskaya NE, Onyschenko EF. *Systemic enzyme therapy in the complex treatment of angina pectoris. International Journal of Immunotherapy* 2001;17[2/3/4]:113-120.
- 16 Paradis M-E, Couture P, Gigleux I, et al. *Pharma Nutrition* 2015;3(3):85-88.
- 17 Koshkin VM, Kirienko AI, Leontjev SG, et al. Angiology and Vascular Surgery 2000;6(2):61-64.
- 18 Friedrich, F. Der Allgemeinarzt 1993;17:1061-1064.
- 19 Ivaniyta LI, Ivaniyta SO, Kornatskaya AG, et al. *Farmatsevtichnii Zhurnal* (Kiev) 1998;2:89-92.
- 20 Dittmar FW, Luh W. International J. of Experimental and Clinical Chemotherapie 1993;6(1):9-20.
- 21 Rammer E, Friedrich F. Wiener klinische Wochenschrift 1996;108(6):180-3.
- 22 Dzupina A, Morvay P, Dzupinova M. Lymfo 2000;13-14.
- 23 Kvantchakhadze RG. International Journal on Immunorehabilitation 2002;4(1);114.
- 24 Sukhikh GT, Loginova NS, Faizullini LZ, et al. International Journal of Immunotherapy 1997;13:131-133.
- 25 Schlüter P, Stauder G. TW Urologie Nephrologie 1996:8;276-279.





⁺These statements have not been evaluated by the Food and Drug Administration. These products are not intended to diagnose, treat, cure, or prevent any disease.