



Code: 9252 **NPN:** 80065236
Size: 306 g Powder

L-Glutamine with Theracurmin®

Muscle Recovery and Intestinal Support

- Provides 5 g of L-glutamine and 30 mg of Theracurmin per serving
- Targets multiple pathways of inflammation and protein synthesis to improve muscle repair and recovery following exercise
- Provides immune and digestive system support
- Theracurmin has higher bioavailability and more rapid absorption in humans, compared to standard curcumin
- Powder formulation allows for flexible and convenient dosing
- Suitable for vegetarians/vegans

PRODUCT SUMMARY

L-glutamine with Theracurmin provides two complementary nutrients that target inflammation and support intestinal and musculoskeletal health, especially in response to exercise. L-glutamine is the most plentiful amino acid in the body, a Krebs cycle intermediary of particular importance to intestinal and immune cells, and one known to be depleted following strenuous physical activity. L-glutamine supplementation has been shown to prevent an exercise-induced increase in intestinal permeability, by promoting tight junction stability, upregulating anti-inflammatory cytokine production, and suppressing inflammation, notably NF-κB activation. L-glutamine also stimulates protein synthesis pathways while inhibiting protein degradation, and has been shown to improve muscle recovery, reduce soreness, and limit muscle damage following exercise.

Curcumin has well-established anti-inflammatory effects with multiple molecular targets, including NF-κB, as well as cyclooxygenases and lipoxygenases, and it also promotes recovery of intestinal integrity by enhancing tight junction protein expression. Curcumin supplementation has been shown to mitigate damage to muscles following exercise, reduce pain due to delayed onset muscle soreness, and enhance the recovery of muscle performance. Theracurmin specifically has been shown to prevent both an increase in creatine kinase and muscle degradation following eccentric exercise. Theracurmin has been proven effective for symptom relief and for reducing the need for rescue medication among participants with knee osteoarthritis in a prospective clinical trial. L-glutamine and Theracurmin both target multiple mechanisms associated with inflammation, muscle repair, and function.



L-GLUTAMINE WITH THERACURMIN

MUSCLE RECOVERY AND INTESTINAL SUPPORT

Serving Size: 5.2 g

Servings Per Container: 60

Each Serving (5.2 g) Contains:

Micronized L-Glutamine 5 g
Theracurmin Curcumin* from Turmeric (*Curcuma longa*) (rhizome) 30 mg

*A highly bioavailable form of curcumin – the most active curcuminoid in turmeric

Non-medicinal Ingredients: Maltose, gum ghatti, dextrin, citric acid.

Recommended Adult Dose: Take 1 serving (5.2 g) per day or as directed by a health care practitioner. Mix product well in 375–500 mL of liquid (water, juice, etc.) immediately before consumption.

Note: The product is a brilliant yellow colour due to the turmeric.

Recommended Use: Helps restore plasma glutamine levels depleted after periods of physical stress (e.g., prolonged exhaustive exercise). Helps support immune and digestive system health after periods of physical stress. Helps assist muscle cell repair after exercise. Provides antioxidants for the maintenance of good health.

Caution: Ensure to drink enough fluid before, during, and after exercise. Consult a health care practitioner if you are following a low-protein diet. Consult a health care practitioner prior to use if you are pregnant or breastfeeding, taking antiplatelet medication or blood thinners, have gallstones or a bile duct obstruction, or have stomach ulcers or excess stomach acid. Keep out of reach of children.

Drug Interactions: Caution is advised when taken with anticoagulant medications. Curcumin has been shown to enhance the effect of some chemotherapeutic medications, as well as inhibit the effect of others, and should only be used under medical supervision by individuals receiving chemotherapy. A reduction in the dose of medications used to treat diabetes may be necessary, as curcumin enhances the effect of insulin. Similarly, L-glutamine has been shown to reduce levels of HbA1c and fructosamine among well-controlled diabetics, thus requiring monitoring of anti-glycemic medication use.

Contains no artificial colours, preservatives, or sweeteners; no dairy, starch, wheat, gluten, yeast, soy, egg, fish, shellfish, animal products, salt, tree nuts, or GMOs. Suitable for vegetarians/vegans. Sealed for your protection. Do not use if seal is broken. For freshness, store in a cool, dry place.

References available at bioclinicnaturals.com



· GUARANTEED ·

Bioclinic Naturals® products are guaranteed to meet or exceed Good Manufacturing Practices (GMP) of the U.S. Food and Drug Administration (FDA), Health Canada, and the Therapeutic Goods Administration (TGA) of Australia.



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