Lycomato™
for Cellular Wellness

Lycored

Stronger From Within.

Lycomato[6] supports immune health by protecting cells from oxidative stress and inflammation that can weaken the immune system, helping the body respond effectively to everyday challenges. Discover the science behind Lycomato[6]'s immune-supporting power.

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Lycomato[6] Scientific Support for General Health

Human Clinical Studies

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Reference name	Product/ Period	No. of subjects	Study design	Key findings	Suggested benefits
Kim, 2011 *DOI: 10.1016/ j.atheroscler osis. 2010.11.036*	15mg 8 weeks	126	Randomized double-blind, placebo-controlled study on healthy men exploring the effect of supplementation on endothelial function, inflammatory and oxidative stress markers, DNA damage + lycopene bioavailability.	✓ Beneficial effects on endothelial function ↘ Reduction of inflammation and oxidative stress ↗ Increased plasma lycopene level ↗ RH-PAT index increased 23% ✓ hs-CRP (inflammatory marker)	✓ Helps support a healthy circulatory system and blood flow ✓ Helps balance the body's natural inflammation response ✓ Helps balance the body's natural oxidative stress response
Walfiisch, 2007 *DOI: 10.1097/ 01.cej.0000236251. 09232.7b.*	30mg	56	This placebo-controlled aimed to determine whether short intervention with Lycomato[6] extract will affect serum levels of the insulin-like growth factor system components.	↘ Insulin-like growth factor-I decreased ↘ Insulin-like growth factor-I/ insulin-like growth factor-I binding protein-3 molar ratio decreased significantly	✓ Promotes health ✓ Supports the natural body's protective response
Wood, 2007 *DOI: 10.1080/ 1071576070 1767307*	45mg 7 days	32	Asthmatic adults consumed a low-antioxidant diet for 10 days, then commenced a randomized, cross-over trial involving 3 treatment arms to investigate changes in asthma and airway inflammation.	↘ Reduced airway neutrophil influx ↘ Reduced sputum neutrophil elastase activity	✓ Helps balance the body's natural inflammation response ✓ Helps balance the body's natural oxidative stress response ✓ Helps support immunity
Riso, 2006 *DOI: 10.1021/ jf053033c*	10mg 26 days x2	26	This was a double-blind, crossover study (26 days for each period) that assessed the effect of Lycomato[6] on oxidative stress, modulation of immunity, and inflammatory markers.	↘ Reduces markers of inflammation (TNF-a was 34% lower)	✓ Helps balance the body's natural inflammation response ✓ Helps balance the body's natural oxidative stress response ✓ Helps support immunity
Neuman, 2000 *DOI: 10.1034/j.1398-9995.2000.00748.x*	15mg 7 days	20	This was a randomized, double-blind placebo-controlled study that assessed the effect of Lycomato's antioxidant activity on exercise-induced asthma.	↘ Reduction of exercise-induced asthma and oxidative balance	✓ Helps balance the body's natural inflammation response ✓ Helps balance the body's natural oxidative stress response ✓ Supports healthy immunity

Pre-Clinical Studies

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Reference name	Study design	Key findings	Suggested benefits
Darawsha, 2024 *DOI: doi.org/10.3390/antiox13081019*	The current study aimed to examine damage to dermal fibroblasts by chemically induced mitochondrial dysfunction and to study the mechanism of the protective effects of carotenoids (Lycomato) polyphenols, and estradiol.	Phytonutrients protect skin cells (dermal fibroblasts) from damage caused by mitochondrial dysfunction. Reverted ATP levels reduction and reverted increased mitochondrial and cytosolic ROS up to 60%.	✓ Supports cellular energy ✓ Supports healthy aging ✓ Promotes cellular health ✓ Promotes longevity
Wang, 2019 *DOI: 10.1039/c8fo02460j*	This study evaluated the effect of Lycopene by inducing LPS-elicited neuronal damage and synaptic dysfunction, to explore its anti-inflammatory properties.	✓ Improved insulin resistance and mitochondrial dysfunction in the liver–brain axis ↘ Decreased the circulating levels of insulin and proinflammatory mediators LPS, TNF-a, IL-1B and IL-6	✓ Helps balance the body's natural inflammation response
Hadad, 2012 *DOI: 10.1016/j.freeradbiomed.2012.07.078*	The present research aimed to assess the effectiveness of combinations of carotenoids and phenolics, at concentrations that can be achieved in blood, to inhibit the release of inflammatory mediators from macrophages exposed to lipopolysaccharide (LPS) and to determine what the anti-inflammatory effect of the phytonutrient combinations.	✓ Synergistic inhibition of NO, prostaglandin E2 ✓ Superoxide production derived from downregulation of iNOS, COX-2, and NADPH ✓ Oxidase protein and mRNA expression synergistic inhibition of TNFa secretion	✓ Helps balance the body's natural inflammation response ✓ Helps balance the body's natural oxidative stress response
Bignotto, 2009 *DOI: 10.1017/S0007114508137886*	This study evaluated the anti-inflammatory properties of lycopene and its protective effects on organ injury in two experimental models of inflammation. To study the effects of lycopene on local inflammation, a carrageenan-induced paw edema model in rats was performed after pre-treatment with Lycopene.	↘ Reduction of the increase in liver injury markers (aspartate aminotransferase, alanine aminotransferase, lactate dehydrogenase, and g-glutamyl transferase) ↘ Reduction of liver tissue lipoperoxidation was evidenced (decrease in malondialdehyde production)	✓ Helps balance the body's natural inflammation response
Ben-Dor, 2005 *DOI: doi.org/10.1158/1535-7163.177.4.1*	This study evaluated the effect of tomato carotenoids in activating the antioxidant defense mechanism of the cells.	Tomato carotenoids lycopene, phytoene, and phytofluene purified from Lycored tomato extract activate an antioxidant defense mechanism.	✓ Helps balance the body's natural oxidative stress response

Scientific Reviews

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Reference name	Reviewed topics	Conclusions
Chew, 2004 *DOI: 10.1093/jn/134.1.220S*	Carotenoid Action on the Immune Response: Certain carotenoids, acting as antioxidants, can potentially reduce the toxic effects of reactive oxygen species (ROS). These ROS, and therefore carotenoids, have been implicated in the etiology of cancer, cardiovascular and neurodegenerative diseases, and aging. Recent studies on the role of carotenoids in gene regulation, apoptosis, and angiogenesis have advanced our knowledge of the possible mechanism by which carotenoids regulate immune function and cancer.	Carotenoids such as Lycopene impact the immune system, inflammation, and regulation of reactive oxygen species.

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Whenever you need us, we'll be there.

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For further information please contact us at:
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