



Melatonin 3mg Quick Dissolve

- May Support Immune System Activity*
- Helps Support Healthy Sleep Patterns*
- Supports the Natural Function of the Pineal Gland*
- May Support Antioxidant Activity and Cardiovascular Health*

Melatonin is produced naturally in the pineal gland of the brain in response to changes in light exposure; it helps maintain healthy sleep patterns as well as antioxidant and immune activities. Melatonin can be taken as a supplement to support these functions by promoting normal levels of melatonin in the body.*

Melatonin, a naturally occurring indolamine, is produced primarily in the pineal gland but also in mammalian bone marrow, platelets, gastrointestinal tract, eyes, skin, and lymphocytes. [1] It plays a vitally important role in regulating the body's daily and annual biological rhythms and thus the sleep/wake cycle. Research suggests that melatonin supports antioxidant activity, cardiovascular health, and immune function as well.*[2-4]

Normal melatonin secretion is suppressed by light and stimulated by periods of darkness. Nocturnal secretion of melatonin is at its highest during childhood, and then decreases with age. Studies, including meta-analyses, suggest that supplemental melatonin supports desirable sleep patterns in certain individuals, including the elderly and those who have unusual work hours, such as night shift workers or people traveling across time zones. [5-10] A review of 10 trials suggests that melatonin supplementation helped support sleep patterns in individuals crossing time zones; subjects included airline passengers, airline staff, and military personnel. [11] Daily doses between 0.5 mg to 5 mg taken at bedtime were used and found to be similarly supportive; however, the effects were greater at the higher dose. According to this review, doses higher than 5 mg do not appear to demonstrate any increased benefit.*

Human research studies suggest that melatonin supports the quality of healthy sleep as it relates to falling asleep, sleep efficiency (percent of time asleep to total time in bed), and awakening. In one study employing five experimental periods, melatonin appeared to positively support normal sleep initiation, maintenance, efficiency, and activity within one week of supplementation versus placebo.^[5] Another randomized, double-blind, placebo-controlled

study of 33 individuals over a 16-day period suggested that the onset, quality, depth, and duration of sleep can be supported by melatonin supplementation without the occurrence of daytime drowsiness or adverse effects.*[12]

Melatonin has been closely studied for its role in supporting antioxidant activity, especially since intracellular melatonin is concentrated in the mitochondria, a major site of oxidative metabolism.
Melatonin has been found to support extracellular antioxidant
activity, support glutathione production, and stimulate production of intracellular antioxidant enzymes—including superoxide
dismutases and glutathione peroxidase.^[3] Research suggests that
melatonin works on a number of levels. It is able to scavenge
oxygen-based and nitrogen-based free radicals, and support the
natural response to inflammation by promoting cytokine balance.
^[2] As a lipophilic molecule, melatonin is able to permeate the lipid
portion of low-density lipoprotein (LDL) and support antioxidant
activity in cells. Research suggests that melatonin supports blood
pressure already in the normal range and overall cardiovascular
health.*^[3]

Finally, research suggests that melatonin aids immune system activity by supporting T-helper cell function, immune-specific progenitor cell production, cytokine balance, and production of mediators, such as gamma-interferon and immune-supportive interleukins.*[1,2,4,13] Inwell Biosciences offers melatonin in a convenient form that provides 3 mg per lozenge, sweetened with xylitol, mannitol, and natural peppermint flavor, to support healthy sleep patterns, antioxidant activity, cardiovascular health, and immune function.*

^{*}These statements have not been evaluated by the Food and Drug Administration.
This product is not intended to diagnose, treat, cure, or prevent any disease.

Directions

Take one quick-dissolve tablet 15 to 60 minutes before bedtime as directed by your healthcare practitioner.

Does Not Contain

Wheat, gluten, yeast, soy, animal or dairy products, fish, shellfish, peanuts, tree nuts, egg, ingredients derived from genetically modified organisms (GMOs), artificial colors, artificial sweeteners, or artificial preservatives.

Cautions

Consult your healthcare practitioner prior to use. Individuals taking medication should discuss potential interactions with their healthcare practitioner. Do not use if tamper seal is damaged.

Supplemel Serving Size: 1 Quick-Dissolve Tablet Servings Per Container: 60	nt F	acts
Amount	Per Serving	%Daily Value
Melatonin	3 mg	**
** Daily Value not established.		

Other Ingredients: Xylitol, mannitol, stearic acid, silica, magnesium stearate, and natural peppermint flavor.

References

- Srinivasan V, Pandi-Perumal SR, Brzezinski A, et al. Melatonin, immune function and cancer. Recent Pat Endocr Metab Immune Drug Discov. 2011 May;5(2):109-23. [PMID: 22074586]
- Korkmaz A, Reiter RJ, Topal T, et al. Melatonin: an established antioxidant worthy of use in clinical trials. *Mol Med*. 2009 Jan-Feb;15(1-2):43-50. Review. [PMID: 19011689]
- Dominguez-Rodriguez A, Abreu-Gonzalez P, Reiter RJ. Melatonin and Cardiovascular Disease: Myth or Reality? [in Spanish]. Rev Esp Cardiol. 2012 Mar;65(3):215-218. Epub 2012 Jan 13. [PMID: 22245066]
- 4. Maestroni GJ. The immunotherapeutic potential of melatonin. Expert Opin Investig Drugs. 2001 Mar;10(3):467-76. Review. [PMID: 11227046]
- 5. Haimov I, Lavie P, Laudon M, et al. Melatonin replacement therapy of elderly insomniacs. *Sleep.* 1995 Sep;18(7):598-603. [PMID: 8552931]
- Kayumov L, Brown G, Jindal R, et al. A randomized, double-blind, placebo-controlled crossover study of the effect of exogenous melatonin on delayed sleep phase syndrome. *Psychosom Med.* 2001 Jan-Feb;63(1):40-8. [PMID: 11211063]

- 7. van Geijlswijk IM, Korzilius HP, Smits MG. The use of exogenous melatonin in delayed sleep phase disorder: a meta-analysis. *Sleep.* 2010 Dec;33(12):1605-14. [PMID: 21120122]
- 8. Olde Rikkert MG, Rigaud AS. Melatonin in elderly patients with insomnia. A systematic review. *Z Gerontol Geriatr*. 2001 Dec;34(6):491-7. Review. [PMID: 11828891]
- 9. Kunz D, Mahlberg R, Müller C, et al. Melatonin in patients with reduced REM sleep duration: two randomized controlled trials. *J Clin Endocrinol Metab*. 2004 Jan;89(1):128-34. [PMID: 14715839]
- 10. Pandi-Perumal SR, Srinivasan V, Spence DW, et al. Role of the melatonin system in the control of sleep: therapeutic implications. *CNS Drugs*. 2007;21(12):995-1018. [PMID: 18020480]
- 11. Herxheimer A, Petrie KJ. Melatonin for the prevention and treatment of jet lag. *Cochrane Database Syst Rev.* 2002;(2):CD001520. Review. [PMID: 12076414]
- 12. Andrade C, Srihari BS, Reddy KP, et al. Melatonin in medically ill patients with insomnia: a double-blind, placebo-controlled study. *J Clin Psychiatry*. 2001 Jan;62(1):41-5. [PMID: 11235927]
- 13. Cardinali DP, Esquifino Al, Srinivasan V, et al. Melatonin and the immune system in aging. *Neuroimmunomodulation*. 2008;15(4-6):272-8. Review. [PMID: 19047804]

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