



Telomerase Support 250

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Graceful Aging At The Genetic Level

Nutritional approaches to support a healthy aging process have long been a staple in many medical and wellness practices. Most strategies to this point have focused predominately on supporting nutrient and antioxidant levels. Thanks to Telomerase Support 250 and Astragaloside IV, we're now able to go beyond nutritional physiology and support healthy, graceful aging at the genetic level.*

This breakthrough in aging support was discovered by Elizabeth Blackburn and Jack Szostak, both of whom were awarded the Nobel Prize in Physiology/Medicine for this work in 2009. They identified the tips at the end of our chromosomes, telomeres, are home to a unique DNA sequence that protects the chromosomes from degradation. Imagine a cap (like the end of a shoestring) that grows shorter and shorter with each cell replication. This is the telomere.

Blackburn and Carol Greider also received the prize for their identification of telomerase, the enzyme responsible for producing the DNA contained in the end of the chromosome.

These two discoveries have singlehandedly transformed how healthcare providers address the aging process. We now have the ability to facilitate healthy aging support from the inside out at the most fundamental level, the DNA.

How Length Correlates with Health

Based on these new findings, it is reported that telomere length can serve as an accurate indicator of overall wellness. Biologic statistics have indicated newborns' white blood cell telomere length may be 8,000 base pairs while an elderly person may exhibit as low as 1500.

Previous genetic research had failed to recognize the value of the ends of our DNA strands, mistaking them for non-functioning materials. We now know that in fact these ends act as a barrier to cell degradation and, consequently, their shortening can leave our DNA vulnerable.

The task then becomes supporting healthy levels of telomerase.* So how do we accomplish this? With a compound called Astragaloside IV (AG-IV).

What is AG-IV?

AG-IV, an extract of Astragalus membranaceus plant, supports the activity of telomerase and is referred to as a "small molecule telomerase activator," a name that suits its level of support for the enzyme's production. It has been widely reported that AG-IV has the potential to support healthy expression of telomerase activity but also memory, vitality,

muscular strength and energy levels.* One literature review published in 2013 outlined the supportive effects of Astragaloside IV on the cardiovascular system, immune, digestive and nervous system.* Mechanisms of action were identified with regard to calcium metabolism, supporting healthy antioxidant levels and cellular turnover.**

The issue we face in delivering the AG-IV is that while it is inherent to astragalus, its concentration varies and is very small within the plant itself.

Fortunately, we found a better way. Through a unique, proprietary process, we've been able to isolate a consistent concentration of this compound, eliminating the need to use prohibitively large or expensive quantities of astragalus root to deliver the necessary level of AG-IV extract.

Because of this emerging technology, we have successfully created a telomere support supplement whose cost is not prohibitive to your practice or your patients.

** Ren S1, et al. Pharmacological effects of Astragaloside IV: a literature review. J Tradit Chin Med. 2013 Jun;33(3):413-6.

Supplement Facts

Serving Size 1 Capsule

Amount Per Serving:

Astragalosides	250 mg
yielding Astragaloside IV	25 mg

Other ingredients: vegetable cellulose (capsule), microcrystalline cellulose, vegetarian leucine.

Warning: If pregnant, nursing, or planning to become pregnant do not take this product.

Caution: If you have an autoimmune disease or if you are taking immunosuppressants, consult with your healthcare practitioner before taking this product.

Suggested Use: As a dietary supplement, Adults take 1 capsule once or twice daily, or as directed by your healthcare practitioner.

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