

## Telogenic™

### Product Information



**Telogenic Longevity Formula** is a phytotherapeutic extract of three (3) synergistic herbal analogs, including: *Astragalus membranaceus*, *Centella asiatica* and *Salix Alba*. It is a telomerase-creating natural plant extract that stops the degradation of telomeres and rebuilds them, reversing cellular senescence.

Telomeres are the protective caps found at the ends of your chromosomes that protect our genetic information during cellular division. For our bodies to heal and function properly, cells must divide to produce new cells to replace old, worn-out cells. Telomeres allow our cells to divide without damaging the cells' genetic information. Located at the ends of eukaryotic chromosomes, telomeres consist of thousands of DNA repeats. Telomeres protect chromosome ends, limiting fusion, rearrangement and translocation. In somatic cells, telomere length is progressively shortened with each cell division, because DNA polymerase cannot synthesize the 5' end of the lagging strand. The expression of telomerase and the stabilization of telomere length have been linked to tumor suppression and extension of cell life. When we are born, our telomeres are at their longest. With every cell division throughout the course of our life, our telomeres lose a bit of their DNA. With age and accumulated exposures to various sources of oxidative stress

throughout our lifetimes, telomeres gradually shorten, until the cell cannot replicate. This shortening process acts as an aging clock counting down the remaining life of the cell. At a certain point, chromosomes in the cell reach a critical length and can no longer be replicated. When this occurs, the cell enters into a state of growth arrest, known as "cellular senescence," which is the equivalent of aging. Cellular senescence is a primary driver of the aging process, which links cellular damage with the larger, anatomical effects of aging. Senescent cells do not directly cause aging, but instead have a cumulative effect leading to larger, more visible consequences of tissue breakdown, and over time, the symptoms of old age - sagging, wrinkled skin, decreased muscle mass, weakened immunity.

***Astragalus membranaceus***, contains Astragalosides known to lengthen telomeres. It has demonstrated life-prolonging compounds with age-reversal effects in the immune system.

***Centella asiatica***, is a natural telomerase activator with important anti-aging effects, and was able to trigger an almost 9-fold increase in telomerase activity compared to the untreated cells.

***Salix alba***, Willow bark was found to be the most potent life extension substance ever found. In testing, the white willow bark extract increased the average chronological lifespan of yeast by 475 percent and the maximum chronological lifespan by 369 percent.

**Telogenic** is uniquely extracted from select organic herbs using organic cane alcohol and deep ocean mineral water, as the extraction solvent. Utilizing advanced all-glass apparatus **Telogenic** undergoes hours of reflux extraction that applies heat and ethanol to enhance the bioavailability of the resultant extraction.

- **Highly bio-available due to heat and alcohol reflux extraction**
- Made from the extraction of **organic sourced herbs**.
- **Organic**, Non-GMO, Gluten free
- Extracted with **Maui-grown organic sugarcane alcohol** and deep ocean mineral water.

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