SOLUGEL®
collagen peptides

Supra
collagen di & tripeptides

SOLUGEL® SUPRA ULTRA-LOW MOLECULAR WEIGHT WITH 45% DI & TRIPEPTIDES UNLOCKED BY SCIENCE

4 MORE

> Faster absorption
> Skin longevity
> Bioactive components
> Superior organoleptic properties

4 MORE FASTER ABSORPTION

SOLUGEL® Supra is absorbed 4x faster than standard collagen.

SOLUGEL® Supra can pass **directly** into the intestine and enter the bloodstream, enabling instant **absorption** by the cells . Within less than **5 minutes,** collagen amino acids can be taken up by the Caco-2 cells.[1]

The presence of amino acids in the bloodstream reaches a **maximum level after 30 minutes,** which is **4x faster** than standard collagen. Furthermore, it remains in the blood circulation for as long as 4-6 hours.[2]

Figure 1: Human cell study: A simulated gastrointestinal digestion method followed by an in-vitro intestinal permeability model.

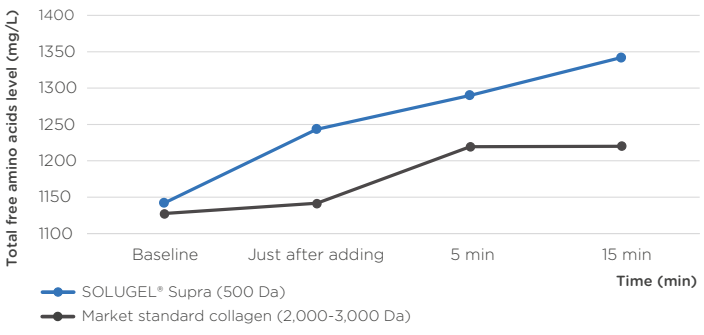
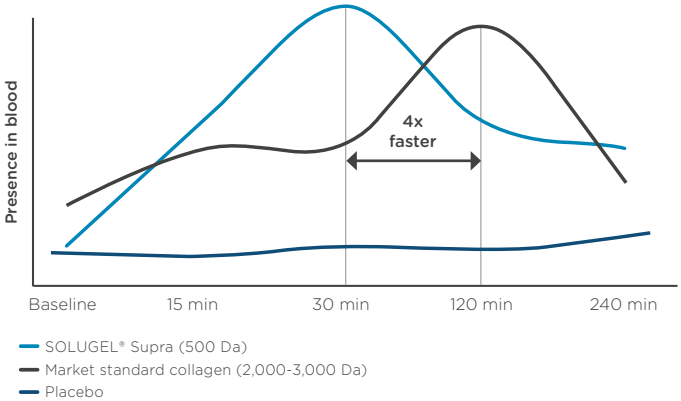


Figure 2: Human clinical study: SOLUGEL® Supra is absorbed and transported through the intestines into the bloodstream.



PB LEINER
The Clear Solution

SOLUGEL®
collagen peptides

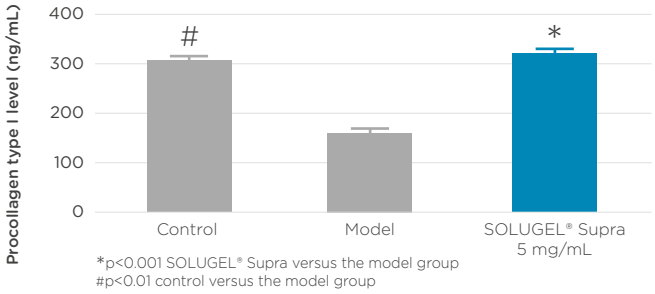
Supra
collagen di & tripeptides

4 MORE SKIN LONGEVITY

SOLUGEL® Supra has the potential to reverse cellular photoaging.

Sun exposure (UV radiation) damages skin cells and reduces the production of **type I procollagen,** which is a key building block of healthy and youthful-looking skin. This leads to **photoaging**—specifically, visible signs such as wrinkles, dryness, and loss of elasticity. When treated with SOLUGEL® Supra, these damaged cells show a marked **increase in type I procollagen synthesis,** which is essential for combating photoaging.[3]

Figure 3: Collagen synthesis in skin fibroblasts exposed to ultraviolet (UV) radiation.

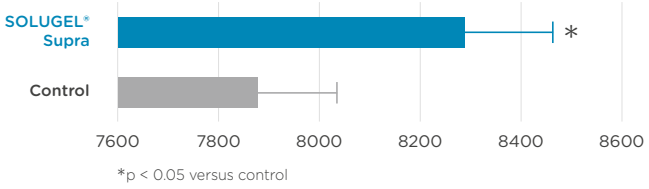


*p<0.001 SOLUGEL® Supra versus the model group
#p<0.01 control versus the model group

SOLUGEL® Supra slows down the cellular aging process at the DNA level.

Telomeres are the protective caps at the end of cell DNA, and they play a key role in the cell renewal process. Skin aging is the result of decreased cell functioning, which is driven by telomere shortening. SOLUGEL Supra® **maintains longer telomere length under oxidative stress** and **supports cellular longevity.**[4]

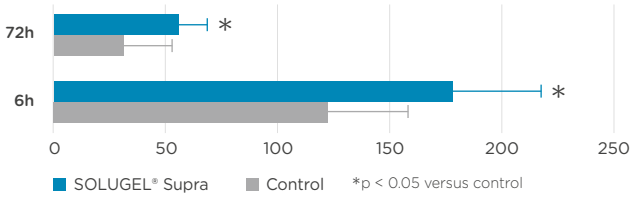
Figure 4: Median telomere length (base pair) in skin fibroblast DNA under oxidative stress.



*p < 0.05 versus control

SOLUGEL® Supra **boosts telomerase activity,** which is a specialized enzyme responsible for telomere repair and maintaining telomere length. Enhanced telomerase activity **protects the DNA in cells** and supports **improved cellular repair** and **regeneration.**[4]

Figure 5: Telomerase enzyme activity (%) in skin fibroblasts under oxidative stress.



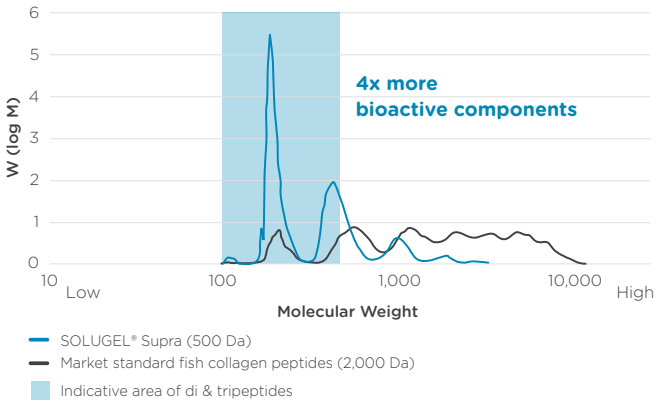
*p < 0.05 versus control

4 MORE BIOACTIVE COMPONENTS

SOLUGEL® Supra contains 45% di & tripeptides—4x more than standard collagen.

Thanks to its high bioactivity, SOLUGEL® Supra has more potential to stimulate the body's natural collagen production, known as anabolic stimuli, by triggering collagen synthesis.[1-3]

Figure 6: 45% bioactive collagen di & tripeptides.



1. Human cell study performed by Bionos Biotech S.L. Contract Research Laboratory, Valencia, Oct 2024. Publication is in progress. 2. Human clinical study performed by Bionos Biotech S.L. Contract Research Laboratory, Biopolo, which is part of the new La Fe hospital in Valencia, Oct 2024. Publication is in progress. 3. Human cell study performed by Bloomage Biotech Co. Ltd., Jinan , Nov 2024. 4. Human cell study performed by Life Length Laboratories, Madrid, Oct 2025. Publication is in progress.

PB LEINER
The Clear Solution

www.pbleiner.com | info@pbleiner.com

Part of Tessenderlo Group

Discover more