



HEALTHY
AGING

Most Researched & Patented White Mulberry Leaf Extract

Turns fast sugars and carbs
into slow ones



Did you know?

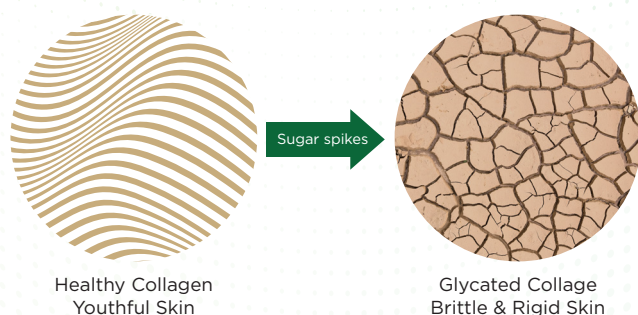
Preventing daily blood sugar spikes protects your collagen and keeps your skin young

Aging is associated with stiffening in connective tissues in the skin as well as in internal organs such as the cardiovascular system, lungs, and tendons. Collagen is the main protein structure in connective tissue. It provides structural support and due to its rigidity and resistance to stretching, it is the perfect matrix for tendons, bones, and skin. It is also one of the longest living proteins in the body taking anywhere from a few weeks to several years to renew in the skin. Aging slows the natural replacement of damaged collagen by reducing the availability of enzymes involved in collagen synthesis. Our collagen is at constant risk of damage through extrinsic factors such as smoking, UV exposure but also from our diets. High blood sugar spikes trigger the glycation of collagen, ultimately forming AGEs (Advanced Glycation End products) leading to collagen becoming rigid, brittle, and preventing normal collagen regeneration¹. Glycation is a natural phenomenon, but high sugar and carb diets can speed up the formation of AGEs.

How AGEs Affect Aging

- High blood glucose spikes fuel the glycation of proteins in our body. Fructose is even more active in glycation than glucose.
- This increased glycation leads to cross-linking of proteins such as collagen to form AGEs².
- These processes weaken skin integrity resulting in wrinkles, sagging, and skin dullness.
- Glycation also causes free radical formation, oxidative stress, and inflammation, all of which accelerate aging³.
- Once formed, glycated collagen no longer maintains skin structure, making prevention essential to preserve a healthy skin.

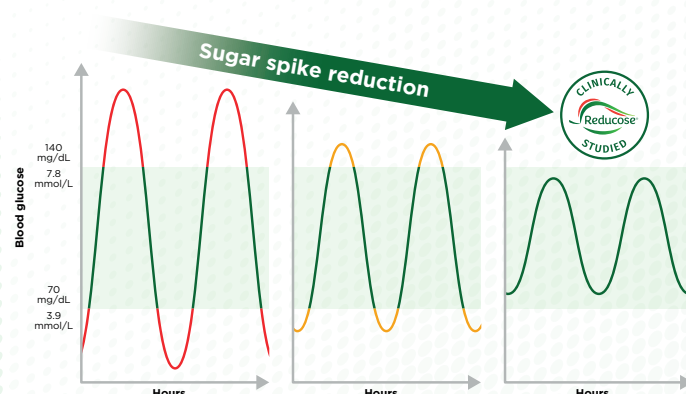
Glycation



Tip: how can you tell a normal skin wrinkle from an 'AGE wrinkle'? If you think of 'normal' wrinkles they are linear and generally parallel to each other in areas of facial movement. Lines created by glycation cross over each other and are often seen over the cheeks and around the chin⁴.

How Reducose® Protects Collagen

- One of the best ways to prevent the formation of AGEs is to prevent blood glucose spikes.
- Reducose® inhibits the α -glucosidase enzyme in the small intestine, immediately reducing post meal blood sugar levels by up to 40%.
- Slower and lower levels of blood glucose lead to fewer spikes, directly reducing the risk of collagen glycation⁵.
- Lower levels of AGEs may help keep your collagen functional and lower oxidative stress and inflammation.
- Reducose® is a great fit for combinations with oral collagen supplementation. This combination can improve the natural aging-affected decline in collagen replacement⁶, lower a cause of oxidative stress⁷, and protect and preserve the proper functioning of collagen.



**Reducose® helps protect & preserve collagen & skin youth
by preventing the root cause of blood glucose spikes**

Take back control of your blood sugar roller coaster...protect your skin



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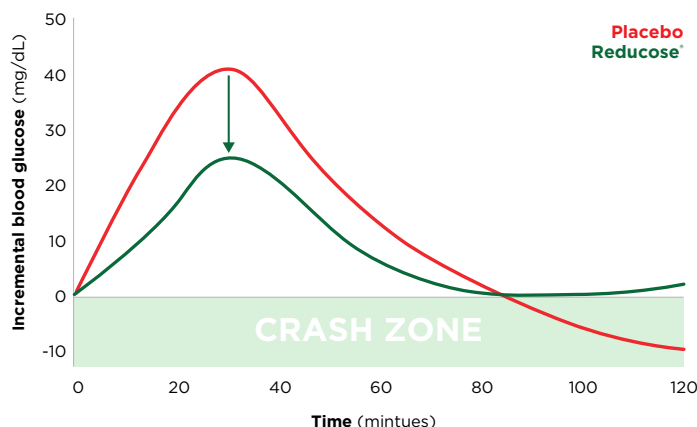
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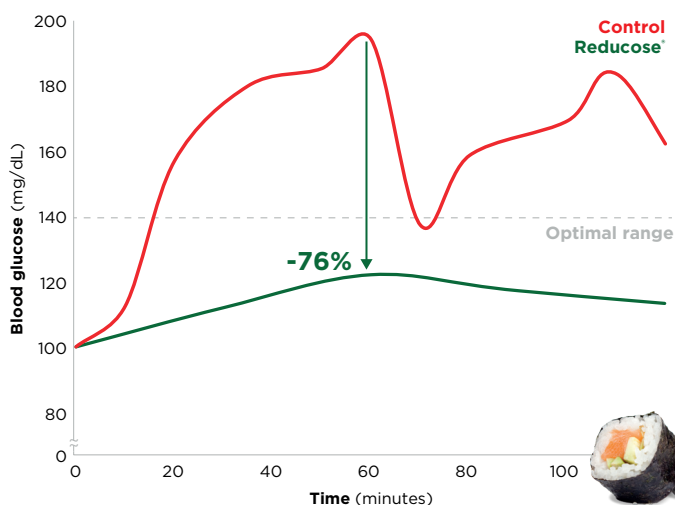
- ✓ Efficacious small dose backed by 10+ human clinical studies*†
- ✓ Works immediately: in the upper digestive system it blocks enzymes that break down sucrose and carbohydrates into glucose*†
- ✓ Up to 40% lower post meal blood sugar & insulin response, supporting healthy blood sugar*
- ✓ Reducedose® helps to support a healthy microbiome and, in clinical studies, was not shown to cause an increase in gastrointestinal issues*†
- ✓ Consumers can feel the satiety & sustained energy benefits from the first dose*

Reducose® lowers peak and total glucose & insulin response by 40%

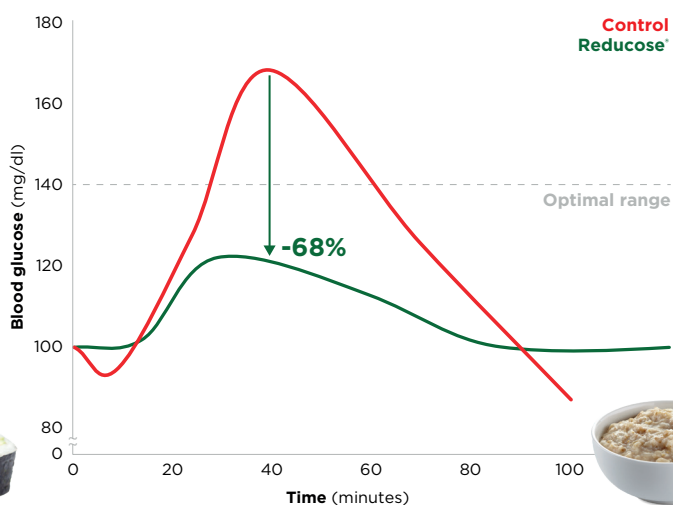


Efficacy can be measured and tracked on Continuous Glucose Monitors (CGM)†

Veggie sushi, edamame,
soy sauce



Porridge with water, chia seeds,
nuts, protein powder



- ✓ Works immediately: you can feel and see the results
- ✓ Worry less about hidden sugars & carbs
- ✓ Feel better and balanced
- ✓ Fits simply and naturally in your life
- ✓ Take back control and love your food, again!



For more information,
e-mail: info@phynova.com
or visit Phynova.com

† Scientific References: 1. Tanaka et al., The effect of reactive oxygen species on the biosynthesis of collagen and glycosaminoglycans in cultured human dermal fibroblasts. Arch Dermatol Res. 1993; 2. Ahmad S, et al. Inhibitory effect of metformin and pyridoxamine in the formation of early, intermediate and advanced glycation end-products. PLoS One. 2013; 3. Maldonado, et al., Aging Hallmarks and the Role of Oxidative Stress. Antioxidants 2023; 4. viatiara.com. Sugar against skin - glycation what is it and how to deal with it. Viatiara.com.ua. 5. Yan et al., Mechanisms of Disease: advanced glycation end-products and their receptor in inflammation and diabetes complications. Nat Rev Endocrinol. 6. Pu et al., Effects of Oral Collagen for Skin Anti-Aging: A Systematic Review and Meta-Analysis. Nutrients. 2023; 7. Prasad C, et al., Advanced Glycation End Products and Risks for Chronic Diseases: Intervening Through Lifestyle Modification. Am J Lifestyle Med. 2017.

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*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.