

DO YOU KNOW THE PROTEOGLYCANS? THESE ARE THEIR SKIN PROPERTIES

July 26, 2018

You may never have heard of proteoglycans. They are proteins and polysaccharides found in parts of the skin, such as the dermis and epidermis, as well as in the extracellular matrix of connective tissue, such as cartilage. These macromolecules are essential components, since they restore the cells of the skin, providing turgidity, elasticity and stability. They capture water up to 1,000 times their molecular weight, but lose their effectiveness with situations such as pollution, smoking, stress or old age.

Once the proteoglycans are not so unknown to us, we want to tell you about their properties, so that you know the effects that your skin can experience thanks to them:

1. **Hydration:** they act by maintaining the hydration of the extracellular space. Given their greater structure and molecular weight, they retain and trap water molecules so that exchange begins at the cellular membrane level, so that their contribution gives access to adequate hydration.
2. **Softness:** it is an element that provides sustenance and structure, which will help achieve a smooth skin, as it intervenes in the manufacture of intermediate molecules that regulate the entry and exit of elements in the cell. In addition to encouraging the reconstruction of tissues degenerated by external aggressions, they avoid, to a certain extent, UVA and UVB rays damaging the cells.
3. **Firmness:** Proteoglycans allow molecular relationships between elements, associating with each other and with other molecules, such as collagen or hyaluronic acid. Thus they manage to maintain the firmness of the skin, avoiding wrinkles and fine lines.

What are the functions of proteoglycans in the skin?

They act at the level of the dermis, reinforcing the structure of the skin in two main ways:

1. They are indicated for dry skin, since they give flexibility and keep it hydrated throughout the day.
2. They act against wrinkles, providing firmness, contributing to generate a good appearance and to achieve luminosity.

Knowing the important properties of proteoglycans, we have included in our repair serum proteoglycans extracted from the algae Spirulina, without using toxic chemical solvents, to get a plus of hydration and firmness. From the first applications you will notice your skin smoother and luminous.

This product has been created to get deeply stimulate the structures of the skin and stop the aging process naturally. It acts as a regenerator and provides a great protection against external aggressions.

If you also want to notice its effects, do not hesitate to try it.

