Biotrisse Polynucleo (PDRN) is an elastic, sterile, injectable, apyrogenic, biodegradable gel containing polydeoxyribonucleotides (PDRN) polymerized nucleotides.

Biotrisse Polynucleo Buster is used as a poly-revitalizer and bio-repairer in therapies for age-related changes that occur in the skin, with the following objectives:

– Preventing signs of aging, including photoaging
– Strengthening skin's immunity
– Restoring skin's hydrobalance
– Returning normal function to skin with medical conditions such as cellular stress or tissue damage

Effects of polynucleotide preparations:

– Radiant, full skin
– Rested, hydrated skin
– Whitens and evens out skin tone
– Evens out skin contours and smooths out small wrinkles and creases

How PDRNs work

The large size of the polynucleotide molecule, as well as the hydrophilic and polyanionic features of PDRNs, make it possible to actively bind and hold water, similar to the effect of hyaluronic acid. In addition, PDRNs stimulate the synthesis of hyaluronic acid. PDRNs activate intracellular secretions and proliferation of new active dermal fibroblasts — the main factors affecting elasticity, fullness, turgor, and tonicity of skin. Polynucleotides also have pronounced immunomodulatory properties, triggering powerful skin regenerating mechanisms. The skin's lytic enzymes cause the PDRN macromolecules to divide into smaller fractions, gradually spreading throughout the tissue in the form of polynucleotides and their smaller structural components. This protects tissues and improves their tropism while restoring cell activity. The hydrogel also is optimally distributed throughout the interstitial space of the dermis, facilitating optimum skin hydration.