

LEX VITAE SERUM BIOTOX ACTIVITY

HOW DOES LEX VITAE SERUM ACTIVITY WORK?

More than 15,000 facial microcontractions occur every day that leave a mark upon the epidermis in the form of fine lines and expression wrinkles. As we get older, the skin produces less collagen and elastin, and thus the expression lines are enhanced and become deeper.

LEX VITAE SERUM BIOTOX ACTIVITY is an anti-wrinkles treatment the effectiveness of which can be compared to the botulinus toxin. Its active ingredient, ARGIRELINE ®, reduces the depth of wrinkles caused by expression muscle contraction, especially those appearing on the forehead and around the eyes.

An increase in wrinkles is a natural phenomenon caused by passing time and is due to the following factors:

- Internal: biochemical, histological and physiological, which are accentuated by environmental exposure of the skin.
- External: constant repetition of movements due to facial muscle contraction, constant pressure on the skin's face due to one's position (when sleeping, for example)

The molecular mechanism produced in skin ageing is directly related with the following changes:

- Slowing down of collagen triple helix formation
- Elastin polymer degradation
- Some disorder in skin lipid consolidation
- Reduction in dermis and epidermis moisturizing

LEX VITAE SERUM BIOTOX ACTIVITY acts by specifically preventing the formation of expression lines and wrinkles caused by facial muscle contraction through the ARGIRELINE ® hexapeptide, directing the actives where they are required in order to optimally regulate moisture exchange between the skin and the environment.

Composition:

LEX VITAE SERUM BIOTOX ACTIVITY is a fluid made up of:

- The ARGIRELINE ® hexapeptide with Botox-like action
- Plant-origin ceramides and sphingolipids for effective skin moisturizing.

It is presented as natural plant capsules with the required product dosage for external application. Active ingredient effectiveness and integrity are preserved from their manufacture to the day they are used thanks to the capsules containing them.

Action mechanism:

Muscles, for contraction, need the action of certain neurotransmitters contained in the presynaptic vesicles. The SNARE (sNAP Receptor) complex is essential for neurotransmitter release in synapsis. It is a complex formed by VAMP, Syntaxin and SNAP-25 proteins, favoring the union between cell and vesicle membranes, enabling the release of said neurotransmitters. ARGIRELINE® is a sequence belonging to the SNAP-25 N Terminal and thus competes with SNAP-25 for a position in the SNARE complex, thus modulating formation of the complex. If the SNARE complex is slightly destabilized, the vesicle cannot efficiently assemble and release the neurotransmitters, thus enhancing muscle contraction and preventing wrinkle formation.

* A. Ferrer Montiel et al, The Journal of Biological Chemistry, 1997, 272, 2634-2638

Properties:

It restores moisture levels in order to keep a healthy skin, reinforcing skin lipids.

It reduces the depth of wrinkles caused by facial expression muscle contraction, especially those of the forehead and around the eyes

It fills in wrinkles because it stimulates collagen, fibronectin and glycosaminoglycan synthesis, regenerating the dermal matrix.

It reinforces the skin's firmness and elasticity.

It tightens and thickens the skin.