



Replexium®

Synergistic complex of 2 peptides with anti-aging effect



During aging, various complex structural and functional changes occur in the skin, with a progressive atrophy of dermis and epidermis. Not only is the dermis impacted, with loss and disorganization of collagen fibrils in the extracellular matrix, but so is the epidermis, with a reduced mitosis rate and a loss of cellular cohesion, and as well as the dermal-epidermal junction (DEJ) with a flattening and a less effective anchoring system.

To improve the signs of skin aging, BASF Care Creations developed Replexium®, a synergistic complex combining Acetyl Tetrapeptide-9 and Acetyl Tetrapeptide-11 with bioavailability agents, targeting extracellular matrix, epidermal, and DEJ structural integrity.

Acetyl Tetrapeptide-9 increased synthesis of lumican proteoglycan and the number of dermal fibroblasts *in vitro*, to improve the impaired collagen fibril organization.

Acetyl Tetrapeptide-11 increased synthesis of syndecan-1 proteoglycan and of collagen XVII, and the number of epidermal keratinocytes *in vitro*.

Clinical tests demonstrated that Replexium® visibly improved the appearance of wrinkles and the density of the dermal structure, for a fast anti-wrinkle and skin firming efficacy.

In vivo study results

- 11% wrinkle reduction at day 21
- 23% wrinkle reduction at day 56
- + 21% skin firming at day 21

Replexium® BC10091

INCI: Dimethyl Isosorbide (and) Polysorbate 20 (and) Water (and) Acetyl Tetrapeptide-11 (and) Acetyl Tetrapeptide-9

Appearance: Liquid

Preservatives: None

Use level: 2%

Replexium® PW BC10082

INCI: Mannitol (and) Acetyl Tetrapeptide-11 (and) Acetyl Tetrapeptide-9

Appearance: Powder

Preservatives: None

Use level: 1%

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