



SISNEO BIOMEDICAL TECHNOLOGY
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MesoluxTM

With the exclusive **REALDEEP®** technology. Introduction of active ingredients to the deepest layers of the skin.

Non-invasive / no injections

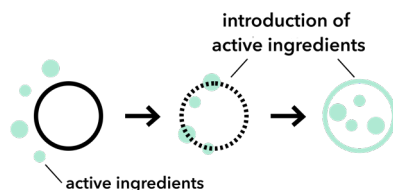


- ✓ Introduction of assets of various molecular weights
- ✓ Safe, non-invasive and completely painless
- ✓ Up to 100 times more powerful than conventional equipment

Mesolux is a system for the introduction of active ingredients by real transdermal electroporation with the exclusive state-of-the-art **REALDEEP®** technology, combined with biophotonic therapy.

REALDEEP® technology allows the **introduction of active ingredients of different molecular weights** into the different layers of the skin by means of high voltage pulses in a completely **painless way**. This technology creates intercellular channels and permeabilizes the cell membranes, allowing the active ingredients to penetrate into the deepest layers of the skin, effectively reaching the target cells of the different treatments. The **Mesolux** equipment is the only one to apply real high voltage electroporation, reaching up to 100 times more voltage than conventional equipment, in a totally safe and painless way.

Phototherapy or biophotonic therapy is a new non-invasive therapeutic alternative that consists of the conversion of light energy within the visible light spectrum into chemical and physical reactions that induce changes at the molecular level. Depending on its wavelength, it will act on some molecules or others in a totally selective way (chromophores), thus being able to perform the desired treatment in a specific way.



633 nm. Dermal matrix restoration (specific red). The main chromophore is cytochrome c oxidase, a protein whose stimulation accelerates cell metabolism. With its application we activate the restoration of the dermal matrix through metabolic activation/acceleration of fibroblasts. In addition, this wavelength regenerates collagen fibers, stimulates blood microcirculation and has an anti-inflammatory effect.



420 nm. Elimination of P.acnes bacteria (blue-Uv). Its chromophore is the porphyrins generated by the P.acnes bacteria (Propionibacterium acnes) absorbing the energy and producing oxygen radicals, thus causing the destruction of the bacteria.



The **Mesolux** equipment uses specific electrodes for facial, hair and body treatments, with the arrangement of electrodes and biophotonic therapy emitters for uniform application in the treatment area. In this way, together with pulse configurations adapted to each typology, **Mesolux achieves optimal results in the transdermal introduction of active ingredients to reach the target cells of each treatment, in a simple and painless way.**