

Whitepaper

DrySerum vs. collagen masks

The key technological advantages of DrySerum technology:

1. Emulsion spinning enables us to prepare membranes with encapsulated hydrophobic (i.e. essential oils, algae extracts) and hydrophilic (i.e. vitamins, water-based extracts) into nanofibers.
2. DrySerum technology enables creation of active membranes with unlimited set of active molecules – possibility to embed liposomes, nanoparticles, self-assembled nanogels, probiotics and spores.
3. DrySerum is based on combination of collagen peptides serving as penetration enhancer and pullulan for film forming on skin boosting the penetration of active molecules.
4. DrySerum contains extremely high concentration of active molecules – 100% active molecules. Depending on type of mask it contains ~ 40% collagen, ~ 20% pullulan and ~ 40% of active molecules (extremely high concentration of plant actives).

Key formulation advantages of respibeauty® Program series:

1. respibeauty® Program is built on 3 main pillars:
 - Hydration of skin thanks to collagen peptides with 2000 Da molecular weight and steviosides penetrating to epidermal skin layer.
 - Environmental protection (anti-pollution) thanks to pullulan and Moringa extract creating protective layer on surface of the skin protecting from damage by PM2.5 and free radicals.
 - Strong anti-wrinkle function thanks to Leucojum aestivum, steviosides and Acmelia oleacera extracts with clinically proven reduction of 20% wrinkles just in 7 days of use.
2. On the top of these pillars, each mask has additional specific functions:
 - REJUVENATOR – thanks to extract from orange blossom, pomegranate, viola, tumeric and maple bark has strong anti-ageing effect. It stimulates synthesis of new collagen I and elastin in skin, increases binding of hyaluronic acid and reduces degradation of dermis ECM. REJUVENATOR does not just solve effects of ageing, but also their cause!
 - SMOOTHENER – the premium microalgae extracts from Cote d`Azur energize your skin, have strong anti-ageing effects and help with protection against the environmental stress. Take marine rebirth with help of SMOOTHENER mask.
 - HEALER – centella asiatica stem cell extract and carrot stem cells calms skin and aids regeneration of skin. In addition, mix of antioxidants and UV protection molecules protect your skin from external damage.
 - STABILIZER – full of powerful antioxidants from matcha tea and acai combined with natural vitamin E help to protect your skin from environmental stressors. Pine bark extract helps to protect against UV and light-induced ageing of skin. Protect your skin with STABILIZER.
 - SHIELDER - thanks to powerful antipollution molecules from moringa and microalgae the mask creates additional protective shield on you skin. Combined with antioxidants and calming molecules keeps your skin healthy.

- EXFOLIATOR – containing enzymes from pomegranate, papaya and cranberry which provides sensitive exfoliating function removing dead skin cells from the surface of face. Exfoliating enzymes are combined with Wasabi extract with antioxidant function which protects DNA by reducing of free radicals. Microalgae extract helps to calm the skin and reduce redness.
 - SEROTONIZER - Your personal relaxation manager. Turmeric stem cell extract and Griffonia extract acts against stress wrinkles, working as an emotional hydration manager and as a modulator of the brain-skin connection revealing stress and increasing happiness. Olive extract energizes your skin cells and helps with anti-ageing effect. Carrot stem cell extract soothes your skin and targets the silent inflammation and provides long-term relaxing effect.
 - BRIGHTENER – Prepare your skin for the most glamorous events. Your skin brightened, toned and hydrated. The combination of hydration stimulated by collagen and stavosides, skin tightening stimulate by pullulan and active stimulation by Rose of Jericho delivers moisturization and skin rejuvenation. Turmeric stem cell extract and Griffonia extract against stress wrinkles, working as an emotional hydration manager and as a modulator of the brain-skin connection revealing stress and
3. respibeauty® DrySerum sheet masks are prepared without any additives. No added surfactants, stabilizers or lipids to keep natural balance of your skin. 0% additives.
 4. Thanks to dry formula, respibeauty® does not contain any conservants or preservatives. 0% conservants.

Key differentiation points against standard collagen or hyaluronic acid masks:

1. Collagen peptides or hyaluronic acid does not penetrate to deep skin layers. They stay in epidermal layer and does not affect the dermis of your skin. Their effect is only short-term and does not help with long-term rejuvenation of your skin.
2. respibeauty® masks (Rejuvenator, Brightener, Stabilizer, Shielder, Healer) help thanks to active molecules boost production of your own collagen, elastin or hyaluronic acid. Their long-term use helps to revert decrease loss of dermis extracellular matrix as the main cause of skin ageing.

Key differentiation points against active-molecule enriched collagen masks (i.e. ActiVlayer and ReVcell):

1. Currently available masks does not provide the 3 pillar plus specific function. Our respibeauty® masks are designed as a complex 7 day retreat of your skin. We designed a complex program focused on skin ageing, wrinkle reduction and environmental protection in one respibeauty® Program named generally Rejuvenator.
2. The non-emulsion systems cannot efficiently combine lipophilic and hydrophilic active molecules and have limited potential for making of complex programs with most valuable active molecules.