

# NIOD

NON-INVASIVE  
OPTIONS IN  
DERMAL SCIENCE

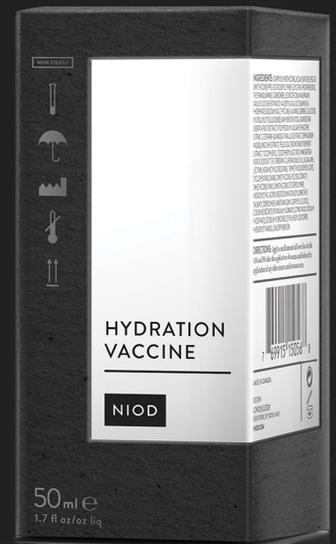
## PRODUCT MANUAL

### HYDRATION VACCINE 50ML

A breathing, adaptive hydration seal for the face that offers protection against degradation of Natural Moisturizing Factors (NMF), supplements the skin's own NMF and supports sustained production of NMF within the skin. NMF, largely composed of amino acids and minerals, is the skin's natural barrier against water loss—in effect, protection from loss of NMF itself is the first line of defence against protection from loss of hydration (water). This novel approach stands in sharp contrast to moisturizers that offer oils and lubricants as a method of hiding dehydration instead of supporting the skin's own barrier to water loss. This build-up of NMF within the skin is shown to increase markers of youth within the skin so efficiently to the point that the skin can look up to 20 years younger after 4 weeks—purely by increased natural water content and no other factor.

#### DIRECTIONS

Apply a small amount all over face in the AM and PM after the application of serums—ideally NIOD CAIS and MMHC—but before the application of any other creams and/or sunscreen formulations.



### **Fungi Composite Organisms**

A novel biotechnology-inspired approach to building the skin's water reservoirs while boosting NMF production and preventing its loss, these organisms are shown to reverse loss of visible firmness due to moisture by the equivalent of up to 25 years of aging—simply by rebuilding the skin's water density. Net visible reversal in signs of skin aging of up to 20 years can result from this increase in firmness alone.

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### **Adaptive Flexo-Silicone Mesh Complex**

A most intricate mesh formed by multiple next generation advanced silicones that change form based on pressure and can entrap water both within and under their mesh, sealing natural and supplemental hydration in and environmental factors out. The adaptivity of this complex silicone form allow for extraordinary setting and diffusion of makeup applied subsequently if applicable.

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### **Blue Algae Molecular Film**

A breathable protective film derived from an Ataractic blue algae that is able to prevent up to 32.5% of the skin's own water content loss within 20 days. When combined with supplemental water-retention technologies in Hydration Vaccine, the equivalent of near 100% water content loss prevention can be achieved.

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### **Himalayan Composite Flower Leontopodic Acid (through Stem Cell Technology)**

A novel innovation for visible skin repair, this plant stem-cell complex supports increased mitochondrial network continuity by 31%—as tested on UV-exposed skin tissue—and dermal contractile capacity by 54% to increase overall density and strength—allowing the skin to retain more of its own water.

### **Enzyme-Reacted Glucosamine Amide HA Pre-Cursor (also found in NIOD MMHC)**

Highly complex compound is derived by enzymatic phosphorylation of N-acetyl-glucosamine through a green chemistry process. Induces fibroblast regeneration by 120% and increases hyaluronan synthesis by 282% in 48 hours.

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### **Sonic-Jet-Dispersed Burmese Mango Butter**

A nano-liquified advanced form of mango butter dispersion that saturates skin tissue with mangiferin and caffeic acid without a greasy occlusive feel associated with mango butter in its pure form—maximizing both molecular absorption and consistent tissue saturation.

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### **Xylitylglucoside Complex**

Humectant and hygroscopic molecules from complex sugar chemistry are able to trap free water—both naturally present in the skin and supplemented water—for an increase of up to 183% in glycosaminoglycans—the skin's own water reservoirs—offering both an immediate and longer-term natural improvement in hydration preservation.

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*Other Technologies: Peat Moss for its hyaline cells acting as a water tank, polypody fern bio-molecules for their effect on protein synthesis to generate NMF, plant squalane hydrocarbon for immediate hydration density and a potent dose of supplemental NMF amino acids and minerals.*