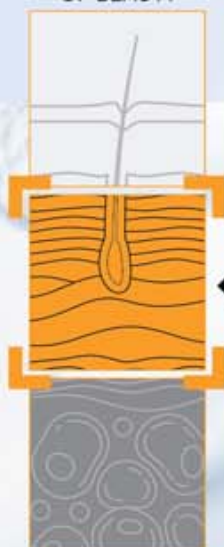


TKN HA 3

Pure Hyaluronic
acid of very high
molecular weight

Biorevitalizes · Biostimulates · Regenerates

LAYERS OF BEAUTY



← Reticular
Dermis



TKN HA 3

UNIQUE molecular weight on the market, with DISTINCTIVE properties



Volume



Concentration



Recommended
needle



Recommended
cannula

Indications:

Anti-aging, Skin laxity and sagging,
Fine lines and wrinkles, Dehydrated skin

Targeted Areas:

Face, Neck & Body



HYAsep® Technology

Preserves the 3,000 kDa HA molecular weight by eliminating thermal sterilization, therefore avoiding the use of cross-linking agents during all manufacturing stages.

Perfect Rheology

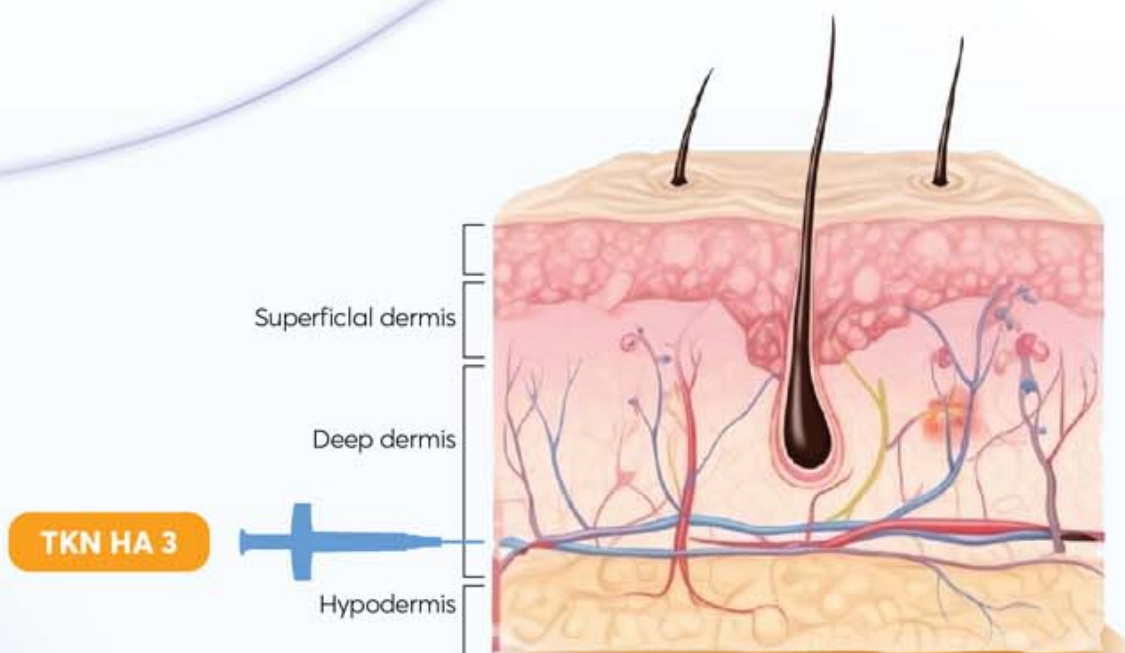
The balance between molecular weight and concentration confers unique viscoelastic properties to an ease and safe injection.

High Biocompatibility³

TKN HA 3 mimics the skin's endogenous hyaluronic acid, ensuring excellent tissue integration, low endotoxin levels, and reduced inflammation.

Extended Duration¹⁻²

VHMMW hyaluronic acid shows more resistance to degradation by the skin hyaluronidases, ensuring longer biostimulating effects on the skin.





- Sterilized without harsh final sterilization
- 3,000 kDa molecular weight preserved
- Longer-lasting hydration and rejuvenation



Reticular dermis

4 Strategic injection points

TKN HA 3 is injected into the reticular dermis. It can be applied using any technique (needle or cannula), but TOSKANIMED strongly recommends the 4-point technique.⁴ This method is the most effective at optimizing results and reducing complications and discomfort for the patient.

Classic 4-Point Technique
0.2 ml per point with 30G x 4mm needle.



Biorevitalizes

- Provides deep and long-lasting hydration by retaining water.¹
- Immediately improves skin texture and provides a glowing effect.⁶
- Reinforces the skin barrier, soothing and regenerating dehydrated skin.⁷
- Rejuvenates senescent fibroblasts.¹⁵



Biostimulates

- Long-term increase in skin firmness and elasticity through fibroblast activation. Induction of collagen and elastin synthesis.⁸
- Extracellular matrix structural improvement helps regulate melanin levels and reduce erythema.⁹
- Improvement of facial contour through extracellular matrix reorganization.¹⁰



Regenerates

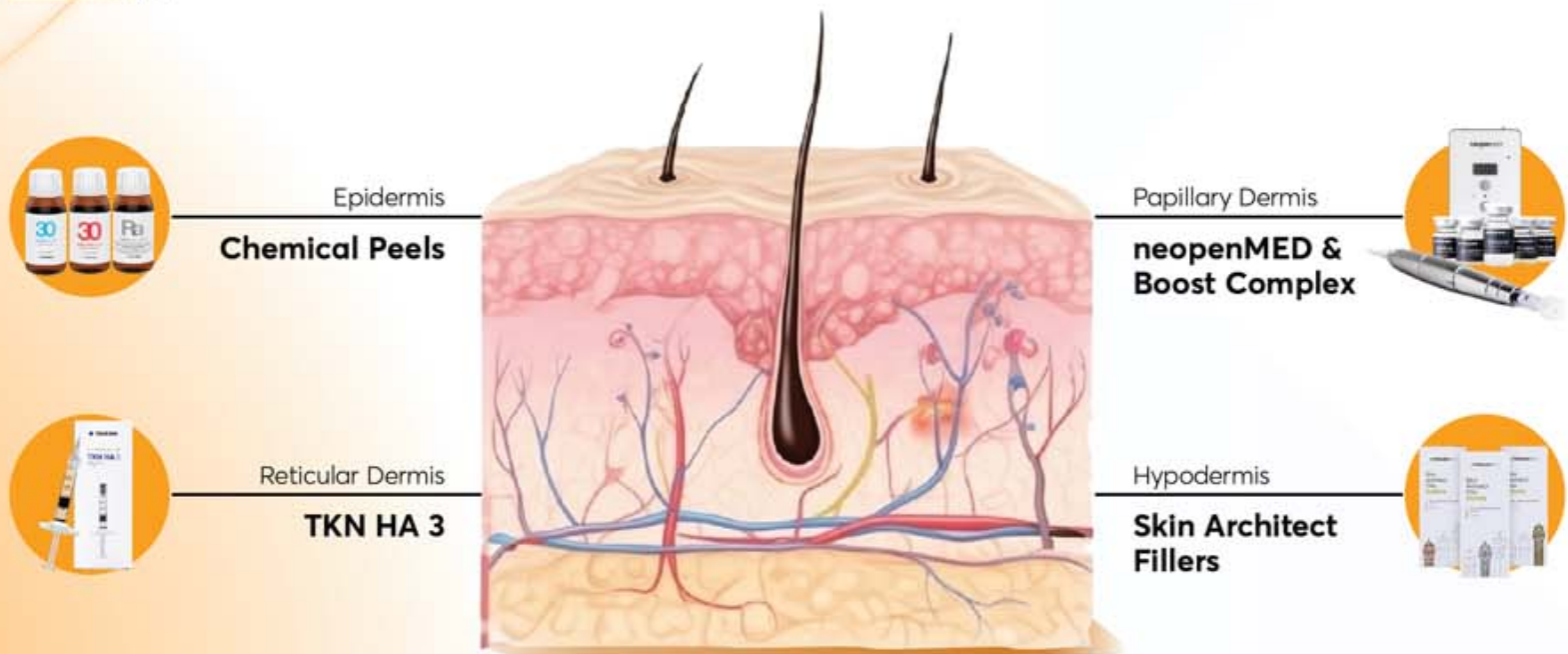
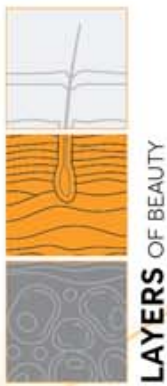
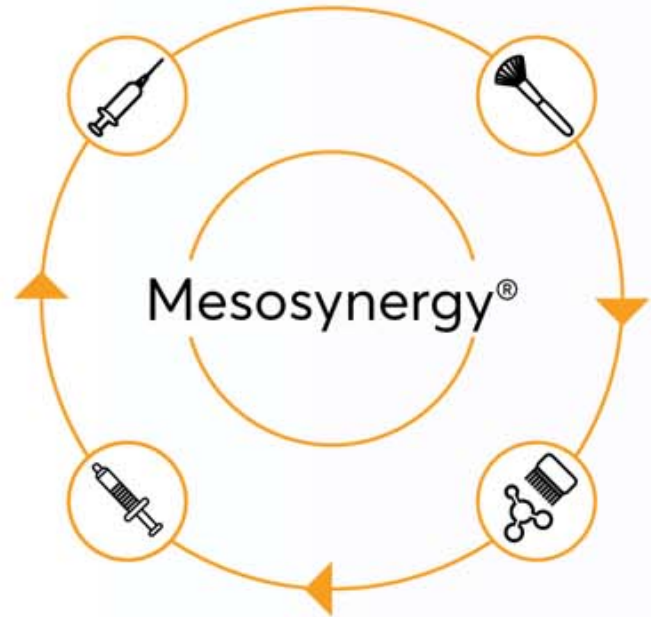
- Repairs aged and damaged skin, promoting dermal density and firmness.¹¹
- Promotes fibroblast spreading and proliferation.¹²
- Stimulates Adipose Derived Stem Cells, promoting adipocyte proliferation and maturation, restoring the loss of adipose tissue volume.^{13, 14}

Mesosynergy®

Biostimulation at every skin layer

With the strong belief that the best results come from the combination of treatments, TOSKANIMED presents an effective, safe and holistic approach to prevent and reverse the signs of aging.

Each complementary treatment addresses the specific needs of each skin layer and fibroblast subpopulation, improving results and durability. The results of TKN HA 3 are enhanced by using it as part of this protocol.



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**Hong Kong & Macau
Sole Distributor:**



+852 9183-7388



info@dermatriz.com



Office 1501, 15/F, Island Centre, No.1 Great George Street, CWB, HK

Clinical evidence

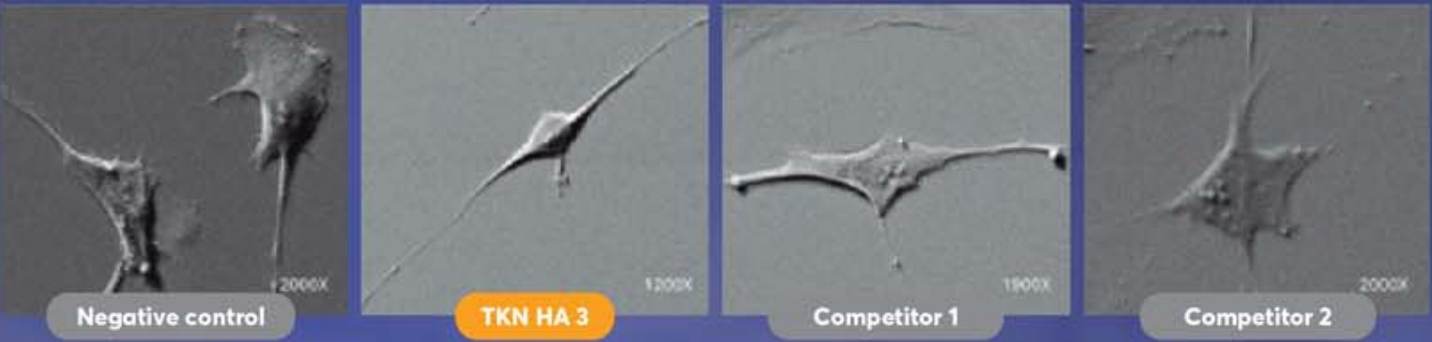


In vitro study

TOSKANIMED has performed an in vitro study to demonstrate the efficacy of the product, showing superior results compared to products with equivalent performance.¹⁵

Rejuvenates senescent fibroblast

Young and healthy human dermal fibroblast have an elongated morphology.



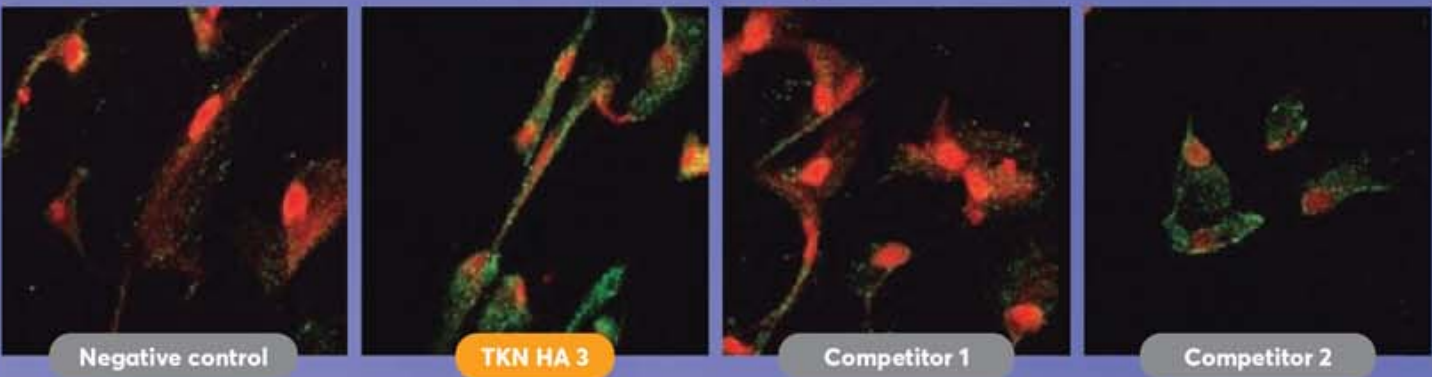
Enhances regeneration

Redlines show tissue regeneration (human dermal fibroblasts) after a scratch injury.



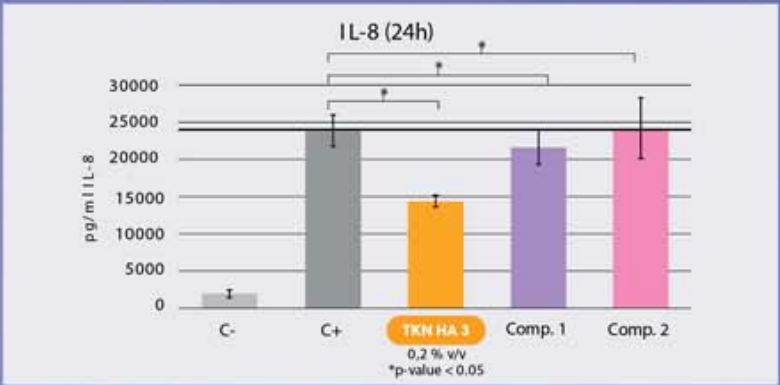
Promotes elastin synthesis

Human dermal fibroblasts elastin production is shown in green fluorescence.



Promotes elastin synthesis

Lower levels of IL8 (inflammation marker) in THP-1 monocytes.





In vivo clinical study

The before and after photos showcase the results 30 days after three sessions, with one session conducted every 20 days using different techniques.

Average TKN HA 3 results¹⁹



Improved skin firmness¹⁹



Deep hydration and brightness¹⁹



Wrinkle reduction¹⁶



Subcutaneous fat regeneration¹⁷



Decrease in erythema¹⁸



Skin tone evening¹⁶

