

# Hyaluronic Acid Infusion Pack

Delivers moisturizing components directly to the skin

For  
wrinkles

For  
spots

For  
hair growth

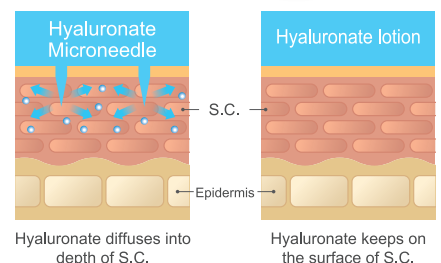
## The “world’s first” microneedle technology

**With the world’s first new technology, “Hyaluronic acid” is crystallized into micro size needles**

Unlike the microneedles made of materials such as metals, we have achieved the highest safety level as they are possible to make it only with beautifying components. We deliver products with the highest quality as they are produced in our own domestic factory with the same quality control level as that of medical products.

**By crystallizing it into the form of needles, we deliver components directly deep into the skin and care from within**

It can be formulated not only with hyaluronic acid but also other soluble components, it can be used in original formulations as well. Also, it is possible to differentiate from products from competitors as it’s possible to design an original shape. Please consult us both for personal or professional use.



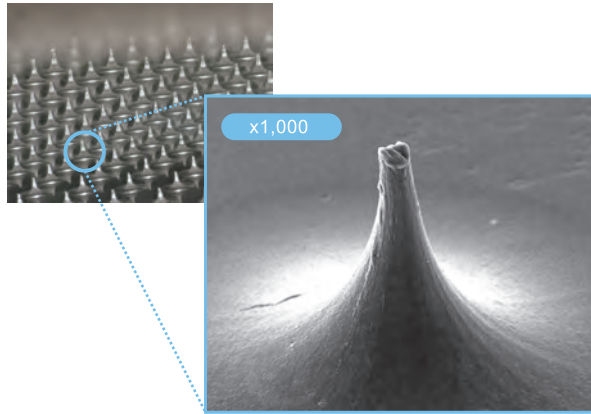
# Microneedle cosmetics can directly deliver hyaluronate into the skin

## Hyaluronate Dermafiller

The number of microneedles is over 200/cm<sup>2</sup> in the patch. When applied to skin, microneedles can insert into the S.C., hyaluronate of needles dissolve and left in the skin.

### Microstructure

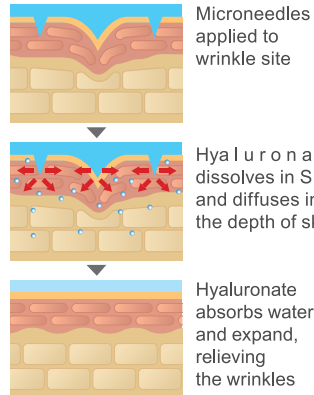
Protruding crystals can be seen on the surface when you look at them in micro size. This protruding shape is the key to deliver "hyaluronic acid" and "collagen" deep into skin cells.



### Working Mechanism

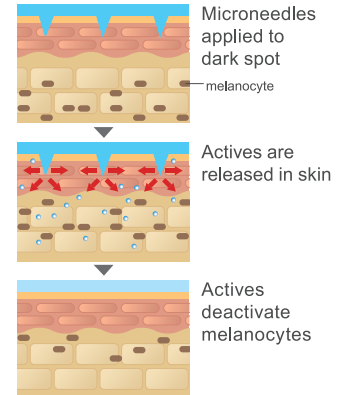
#### Antiwrinkle

Use of once or twice a week will achieve the long-lasting effect.



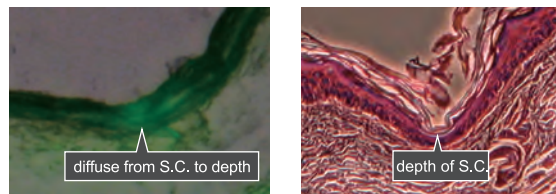
#### Brightening

Brightening components such as vitamin C will penetrate into the skin assuredly.

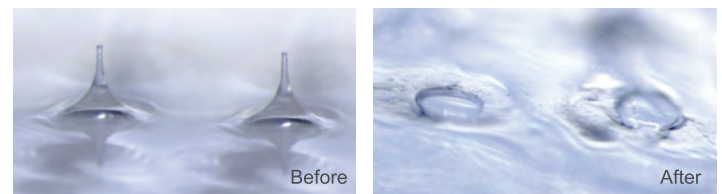


### Microneedle - Insertion & Dissolving behavior

Inserted microneedles reaching at the depth of S.C.



Microneedle shape changed after application

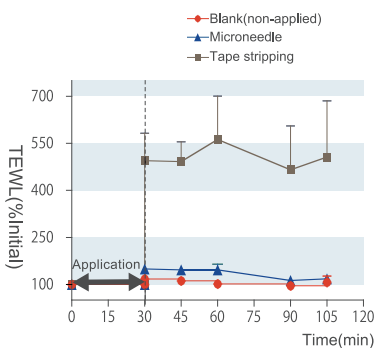


### Skin safety data

#### ◆No irritation in human trial

12 weeks test (22 volunteers)		
Estimation	Item	result
Self Estimate	Itching	0
	Pain	0
	burning	0
Expert Estimate	Edema	0
	Redness	0

#### ◆TEWL is similar to blank

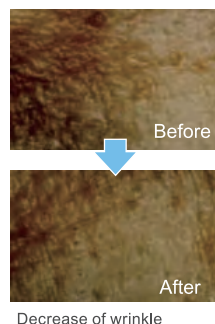
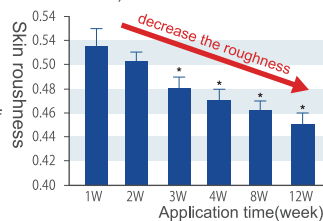


### Efficacy(Antiwrinkle)

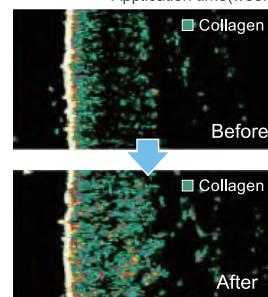
#### The biggest feature

Gives moisture to the skin from within fundamentally. (Improvements of depth and area of wrinkles and firmness/promote collagen production of collagen in dermis)

- ◆Improvement of roughness of the skin (texture) (22 examples of clinical trials) (Use of once to twice a week around eyes for 12 weeks)



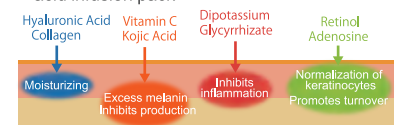
Decrease of wrinkle



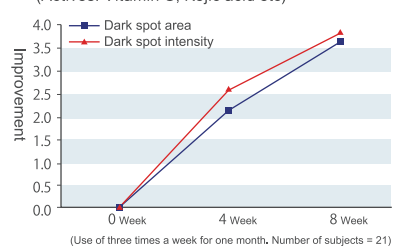
Increase of collagen

### Efficacy(Brightening)

- ◆Spot improving approach with a hyaluronic acid infusion pack



- ◆Whitening effect in clinical test (Actives: Vitamin C, Kojic acid etc)



(Use of three times a week for one month, Number of subjects = 21)