

Elr_vie[®] Premier

High Purity HA Dermal Filler

Elravie[®] Premier

Elravie is a combination of **'Ela'** from elasticity and **'Vie'** from life in French. Rejuvenate your skin vitality and elasticity via **Elravie**.

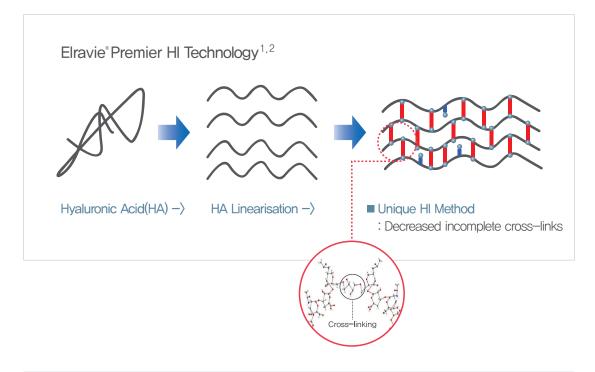


'ela'sticity + 'vie'(life)

HI (High molecular Ideal Reticulated Matrix)¹

HI Technology

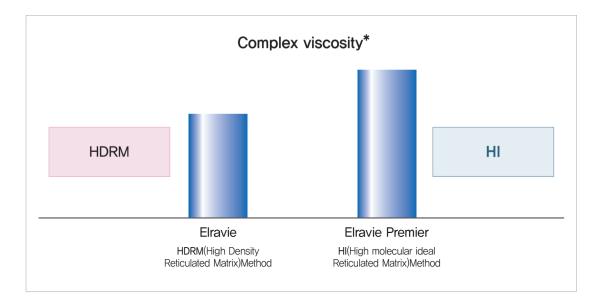
- A manufacturing method of cross-linking hyaluronic acid of a polymer which makes it into an ideal reticulated matrix.
- Reduces incomplete cross—links with low—temperature & long—time cross—linking
 Increased efficiency of cross—linking.



Elravie[®] VS Elravie[®] Premier

Humedix' innovative HI Method

- Compared to Elravie, Elravie Premier indicates a higher degree of complex viscosity while having similar physical property.
- Elravie has higher resistance against external force and shows stability. due to high complex viscosity

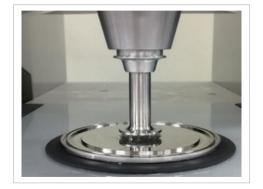


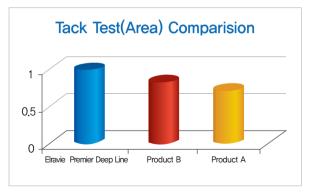
*Complex Viscosity: A unit that measures the degree of total deformation against an external force

Elravie[®] Premier's Cohesiveness

Comparison of results from Tack Test*

- Elravie Premier shows superior cohesiveness.





*Tack test:

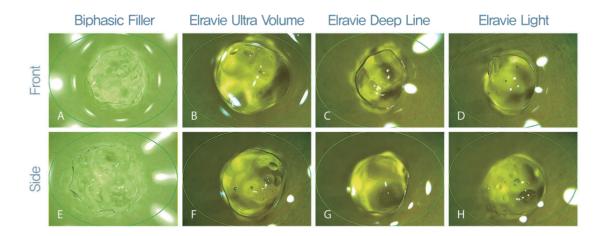
Cohesiveness Force Measurement Test. It measures the maximum force of adherence to Rheometer spindle of the sample after it's pushed by the spindle. Higher value means higher cohesiveness.

Elr/vie[®] Premier

Cohesiveness of Elravie[®] Premier

Elravie Premier applies to a various type of purpose in need of the smooth and forceful procedure.

The shape of Elravie Premier



Comparison of Shear Viscosity & Yield Stress

Elravie Premier shows

- Higher shear viscosity presenting stronger resistance against external force.
- Greater yield stress.



*Shear viscosity:

A degree of resistance to flow, It refers to the force that resists external force (shear force).



[†]Yield Stress :

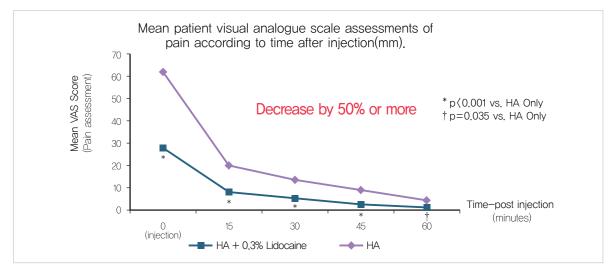
The stress level at which a material ceases to behave elastically.

It is a measure of the strength of the material structure.

When an object receives a load from the outside, it is returned to its original status before deformation until some point. However, if the load exceeds a certain value, the object cannot be restored to the initial status even if the load is removed, and the permanent deformation of a certain size is maintained.

Pain Relief Effect

HA fillers containing 0.3% lidocaine alleviates pain during/after the injection.¹



① Study design : Single-blind, Random allocation, Single-center, Split-face design

② Patients: 45 Adults who received similar wrinkle scores on both sides of the face (All Fitzpatrick skin type)

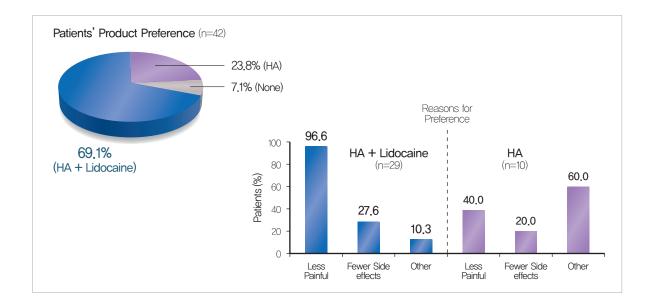
③ Treatment: Measures pain during/after the procedure utilizing VAS after the treatment on nasolabial folds; injection of HA with lidocaine on one side and injection of HA only without lidocaine on the other side.

HA has a relatively lower side effect profile since it is without species or chemical specificity. Treatments with adjunct lidocaine do not appear to significantly change this profile. **Several studies suggest adjunct Lidocaine decreases swelling, erythema, and even bruising.** The use of lidocaine with epinephrine in one study could affect the interpretation of these observations.

→ Through many studies, HA fillers containing lidocaine shows reduced side effects such as swelling, red spots, and bruise.²

Patients' Preference

HA fillers containing 0.3% lidocaine shows higher preference of patients after the injection.



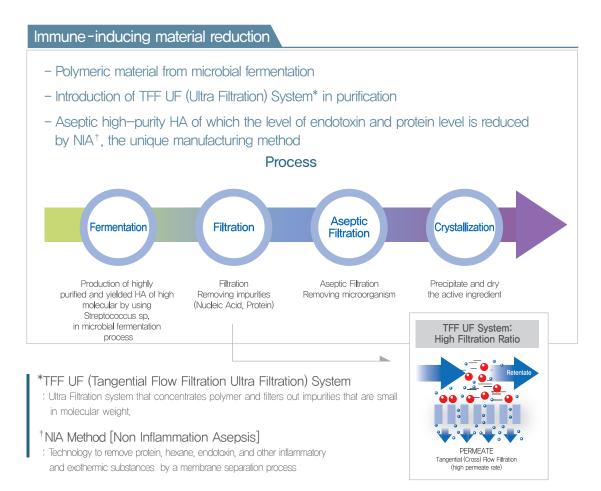
① Study design : Single-blind, Random allocation, Single center, Split-face design

2 Patients: 45 Adults who received similar wrinkle scores on both sides of the face (All Fitzpatrick skin type)

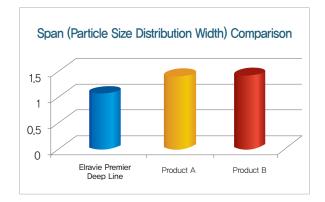
③ Treatment : Measures pain during/after the procedure utilizing VAS after the treatment on nasolabial folds; injection of HA with lidocaine on one side and injection of HA without lidocaine on the other side

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High Purity HA Filler - Elravie[®] Premier



Uniform and Small Particle



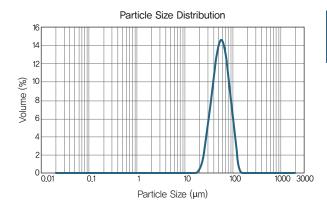
Uniform Particle

- The Span^s value is close to 1.0 and particles are uniform with low value of Uniformity.^F

[§] Span: Left/Right Symmetry plot of the evaluation graph (Perfect symmetry with a span value of 1)

^FUniformity: The distribution of particles

(The lower the value, the closer and evener the distribution) (The lower the value, the sharper the graph)



Small Particle

- When measured with particle size analyzer, Elravie Premier indicated a low figure.

Categorize	Product Name	Elravie Premier Deep Line	Product A	Product B
Paricle Size Analysis Result	D(0.1)*	35,218	116.249	80,793
	D (0.5)†	59.885	238.911	156.738
	D(0.9)†	99.536	453.917	304.559

 * D(0,1): The particle size at 10% of the total distribution of matter. † D(0,5): The particle size at 50% of the total distribution of matter. † D(0,9): The particle size at 90% of the total distribution of matter.

Proven long-term persistence (18 Months)

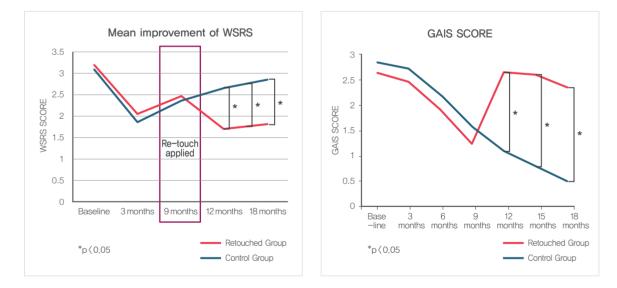
18 months lasted the effect of Elavie (HA-only product) with a single time re-touch

WSRS (Wrinkle Severity Rating Scale)

Degree	1	2	3	4	5
Des- cription	absent	mild	moderate	severe	Extreme

• GAIS (Global aesthetic improvement scale)

Degree	-1	0	1	2	3
Des- cription	Worse	No change	Improved	Much improved	Very much improved



① Study design: Random allocation, Control Test

2 Patients: 50 people with visible, moderate to severe nasolabial wrinkles

③ Treatment: After the same amount of HA in both nasolabial wrinkles, only the test group received re-touch 9 months after the first treatment; Evaluation of WSRS and GAIS.

Monophasic Volumizing Filler – Elravie[®] Premier

• Excellent Quality & Safety¹

- High purity HA made with TFF UF System and NIA method(Non-Inflammation Asepsis), its level of protein and endotoxin is significantly lowered.^{2,3,4}
- HI Method(High molecular Ideal Reticulated Matrix) significantly reduces none cross-linking rate.¹
- The raw material of HA is pharmaceutical grade and the raw material of 'HA for arthritis' and has excellent biocompatibility.

Superb Effect & Duration⁵

- Natural looking by smooth and strong HA gel; keeps volumizing by high cohesiveness and do not easily spread to other areas
- 18 months did the effect of Elavie (HA-only product only) last with one-time re-touch.

Convenient Procedures

- User-friendly finger grip assures delicate procedure.
- TW (Thin Wall) needle and cannula are included to provide the convenience of a procedure

Famous Reputation

- As a second brand to be launched in Korea, its quality and reputation are assured throughout long-term clinical usage within doctors/patients.
- Elravie received the Jang Young-Sil(Famous inventor in Korea) Award in 2014 and the Consum er's Choice Filler Award in 2016.
- Elravie is officially registered in Europe(CE), China(CFDA), Indonesia, Iraq, Iran, Vietnam, Republic of Dominica and is under registration worldwide.

Ref) 1. Data on file, Humedix.(RER-15-007. 2015.) 2. Data on file, Humedix.(PVR-B01-1602-01. 2016.) 3. Data on file, Humedix.(PVP-B01-1602-01. 2016.)

With Lidocaine









HA concentration • • 23mg/mL, 0,3% Lidocaine Volume • • • • • • • 1,0mL Needle • • • • • • • • 30G Thin Wall needle Elravie Deep Line–LC 1mL HA concentration · · 23mg/mL, 0,3% Lidocaine Volume · · · · · · 1,0mL Needle · · · · · · 27G Thin Wall needle 23G 50mm TW Cannula

Elravie Ultra Volume–LC 1mL HA concentration · · 23mg/mL, 0,3% Lidocaine Volume · · · · · · · 1,0mL Needle · · · · · · · 23G Thin Wall needle 22G 50mm TW Cannula



Elravie Ultra Volume-LC 2mL
HA concentration · ·
23mg/mL, 0.3% Lidocaine
Volume
2 <u>.</u> 0mL
Needle
21G Thin Wall needle
22G 50mm TW Cannula

Without Lidocaine(CE)



Elravie Light Plus 1mL

HA concentration · ·
20mg/mL
Volume
1.0mL
Needle
30G Thin Wall needle



Elravie Deep Line Plus 1mL HA concentration • • 23mg/mL Volume • • • • • • • 1.0mL Needle • • • • • • • 27G Thin Wall needle





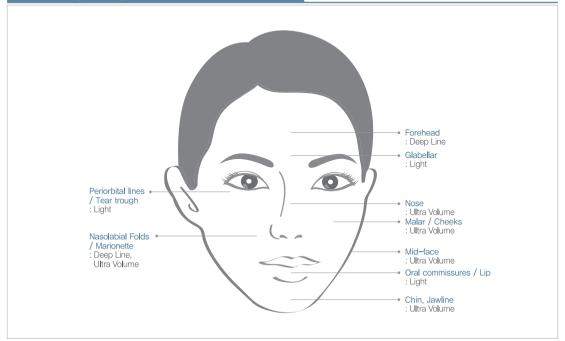
Elravie Ultra Volume Plus 1mL/2mL

HA concentration • •
23mg/mL
Volume
1mL/2mL
Needle
1mL: 23G Thin Wall needle
2mL: 21G Thin Wall needle

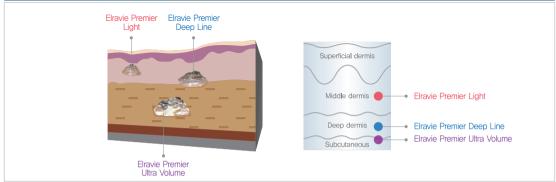
Elravie Balance 1,5mL

HA concentration • •
20mg/mL, 0.3% Lidocaine
Volume
1.5mL
Package
1 5mL X 2syr

Procedure part of product line" Elravie Premier"







Elrvie[®] Premier

High Purity HA Dermal Filler

Manufactured By



17, Bio Valley 2-ro, Jecheon-si, Chungcheongbuk-do, Korea

Humedix is a family company of Huons and is a bio company that manufactures and researches HA raw material production and HA related joint injections, ophthalmic eye drops, ophthalmic viscoelastics, anti-adhesion agents and functional cosmetics.