

CELOSOME™



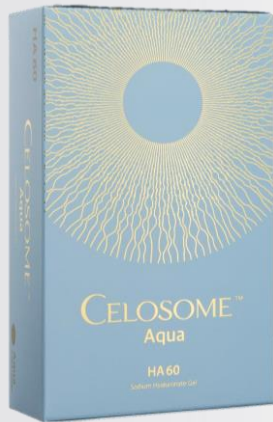
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# CELOSOME™

Turn Your Age

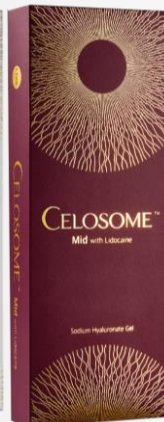
AQUA



SOFT



MID



STRONG



IMPLANT



## *Celosome Turn Your Age*

- 100% cross-linked Hyaluronic Acid
- 0.3% lidocaine contained
- Non-animal origin
- Immediate & visible result
- Fast recovery & minimal pain
- Long lasting effect by HENM cross linking technology

100% cross-linked hyaluronic acid of non-animal origin containing 0.3% lidocaine for treatment of every wrinkles and folds

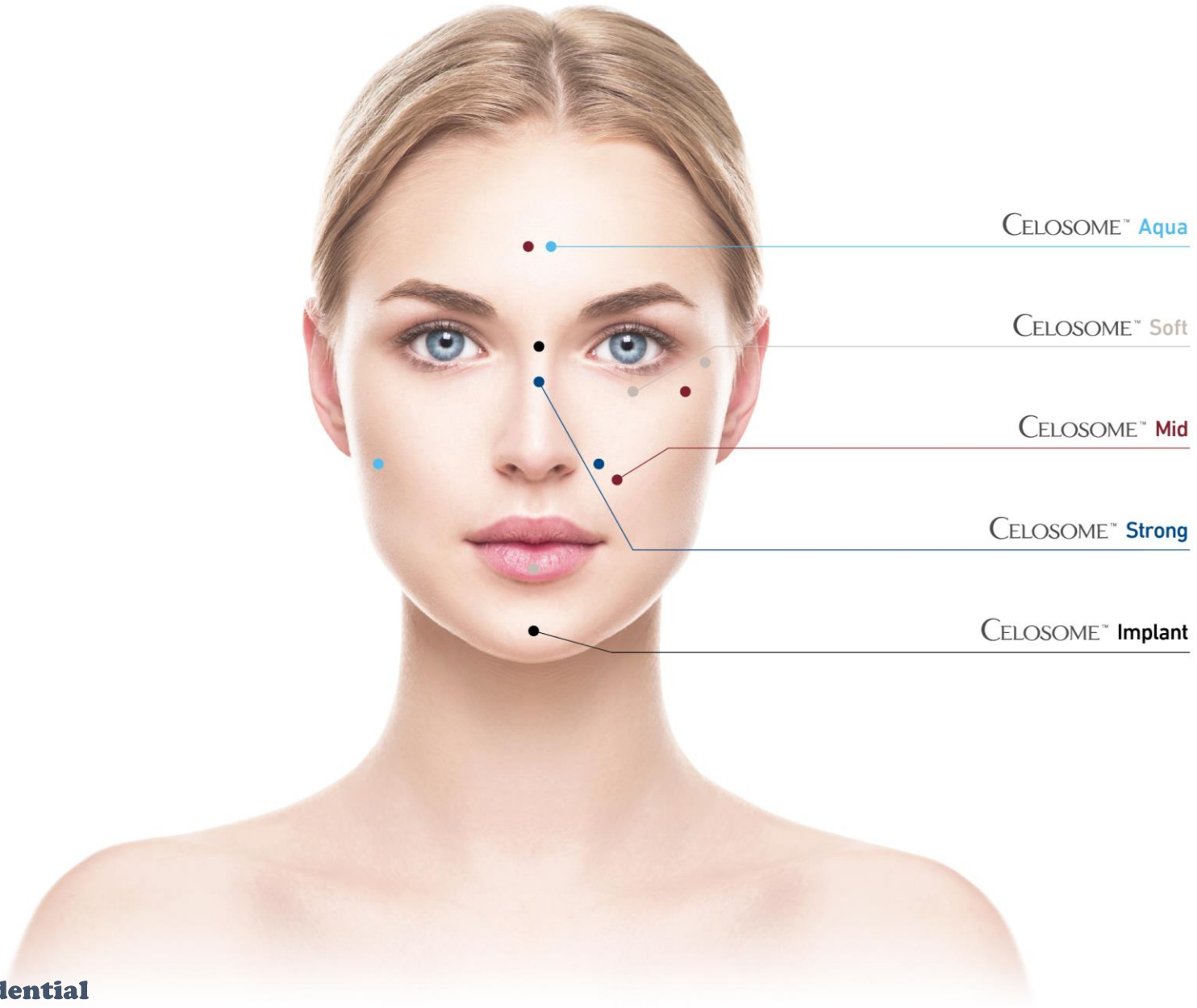
## CELOSOME™

is a dermal filler of non-animal origin hyaluronic acid for treatment of wrinkles and folds.

## CELOSOME™

- 8-phase ultra-functional technology of ExoCoBio.
- Multi-way membrane for complete removal of BDDE, metal ions and foreign substances.
- De-ionized facilities and ultra-pure water system to minimize impurities and endotoxins.
  - HENM cross linking technology for longer duration, optimized viscoelasticity to maintain elasticity in your skin.



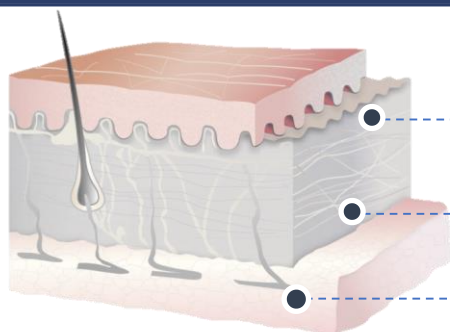




| Product Name     | CELOSOME™                                                         |                           |                                                             |                                                                         |                                                  |
|------------------|-------------------------------------------------------------------|---------------------------|-------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------|
|                  | Aqua                                                              | Soft                      | Mid                                                         | Strong                                                                  | Implant                                          |
| Injection Site   | Superficial to top dermis                                         | Superficial to mid dermis | Mid to deep dermis                                          | Mid to deep dermis subcutaneous layer                                   | Subcutaneous layer                               |
| HA Concentration | 24mg/ml                                                           | 24mg/ml                   | 24mg/ml                                                     | 24mg/ml                                                                 | 24mg/ml                                          |
| Visco-elasticity | lowest                                                            | low                       | mid                                                         | high                                                                    | highest                                          |
| Duration         | 1~3 months                                                        | 6~9 months                | 9~18 months                                                 | 12~24 months                                                            | 12~24 months                                     |
| Indications      | Hydration<br>Rejuvenation of skin                                 | All facial wrinkles       | Nasolabial folds<br>Deep skin wrinkles<br>Facial contouring | Nasolabial folds<br>Deep skin folds<br>Facial augmentation & contouring | Facial contouring<br>Chin and cheek augmentation |
| Packaging        | 2.5ml/syringe                                                     | 1.1ml/syringe             | 1.1ml/syringe                                               | 1.1ml/syringe                                                           | 1.1ml/syringe                                    |
| Lidocaine        | 0.3%                                                              |                           |                                                             |                                                                         |                                                  |
| Shelf Life       | 24 months                                                         |                           |                                                             |                                                                         |                                                  |
| Storage          | Storage between 2~25°C, Protect from direct sunlight and freezing |                           |                                                             |                                                                         |                                                  |

- The durations are depended upon age and lifestyle as well as the skill of a practitioner

## CELOSOME™ Treatment Area



Aqua & Soft  
Between Dermis and epidermis



Strong & Mid  
Mid to deep dermis subcutaneous layer



Strong & Implant  
Deep subcutaneous layer



## CELOSOME™ is

| Time | Celosome (Strong) |      | A Product (volume) |      | B Product (volume) |      |
|------|-------------------|------|--------------------|------|--------------------|------|
| 0h   | 14mm              | 100% | 14mm               | 100% | 15mm               | 100% |
| 1h   | 13mm              | 93%  | 10mm               | 71%  | 10mm               | 67%  |
| 2h   | 11mm              | 79%  | 9mm                | 64%  | 8mm                | 53%  |

Reference: ExoCoBio

## Gel Shape change Rates

manufactured so that the gel shape after injection can be maintained without changes after the application. It can provide the best satisfaction to the customer.

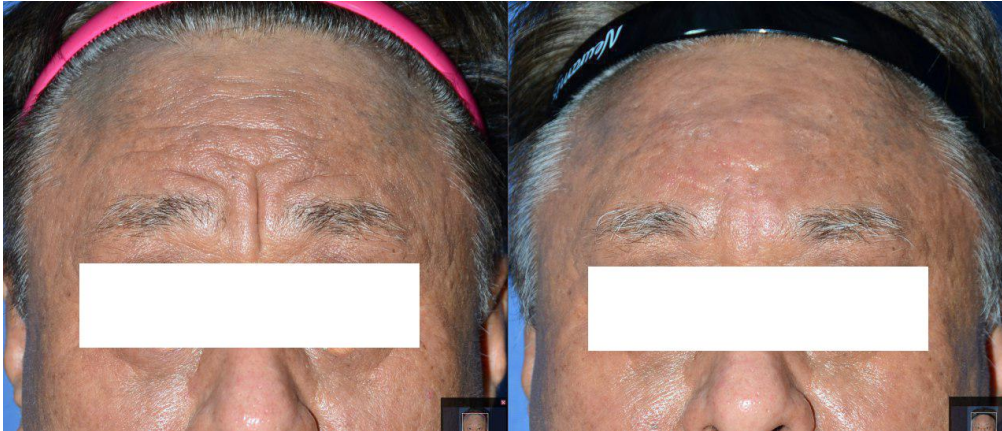
## CELOSOME™ gel shape changes

| Time (h) | Celosome (Strong)                                                                   | A Product (volume)                                                                  | B Product (volume)                                                                  |
|----------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 0(h)     |  |  |  |
| 1(h)     |  |  |  |
| 2(h)     |  |  |  |

As time goes by, the gel is changed in shape by around 50 % in other product, while our product by about 20 % over two hours. In other words, the gel shape is maintained in our product.



## Forehead Lines & Frown Lines



Before

After

## Chin Crease



Before

After

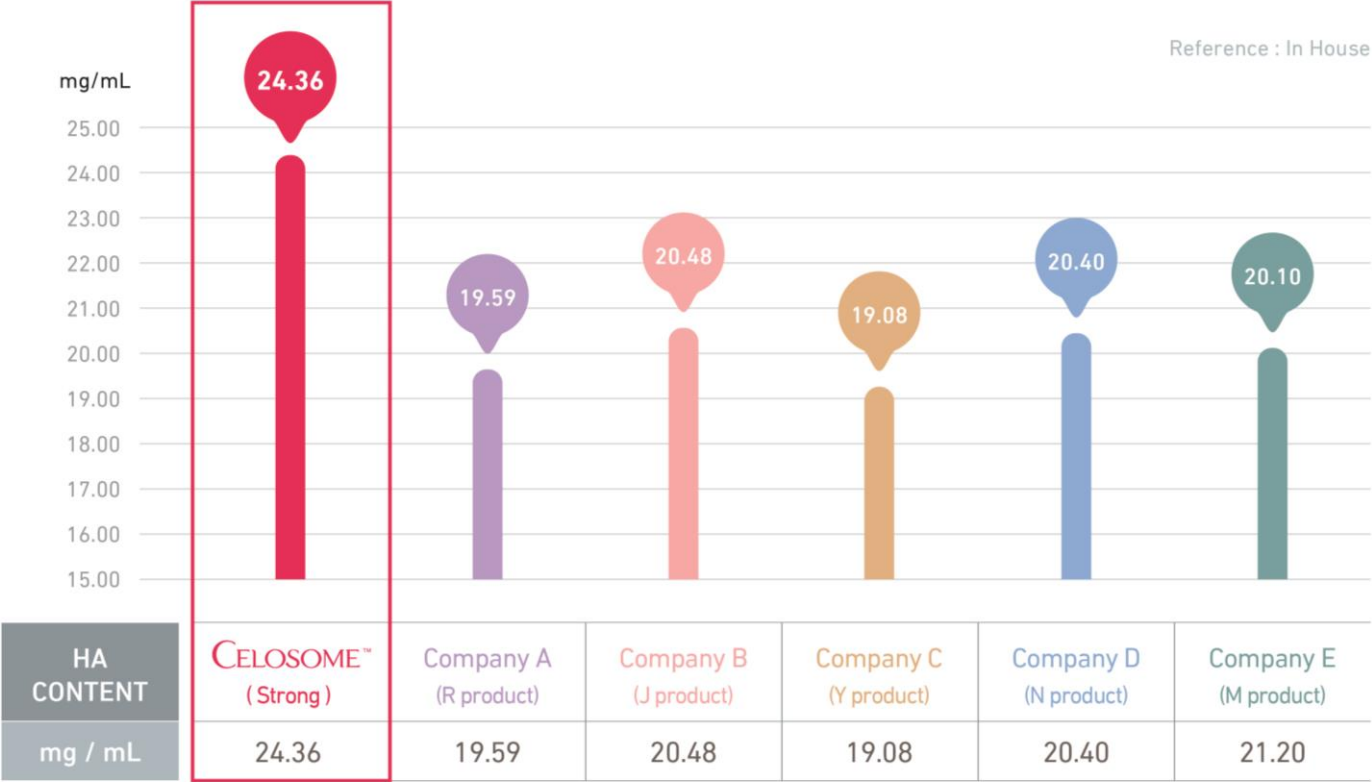
## Nasolabial Folds & Cheeks



Before

After

HA Content



HA content can reduce BDDE input and residual amount. Our **Celosome™** have a higher HA content than other products.

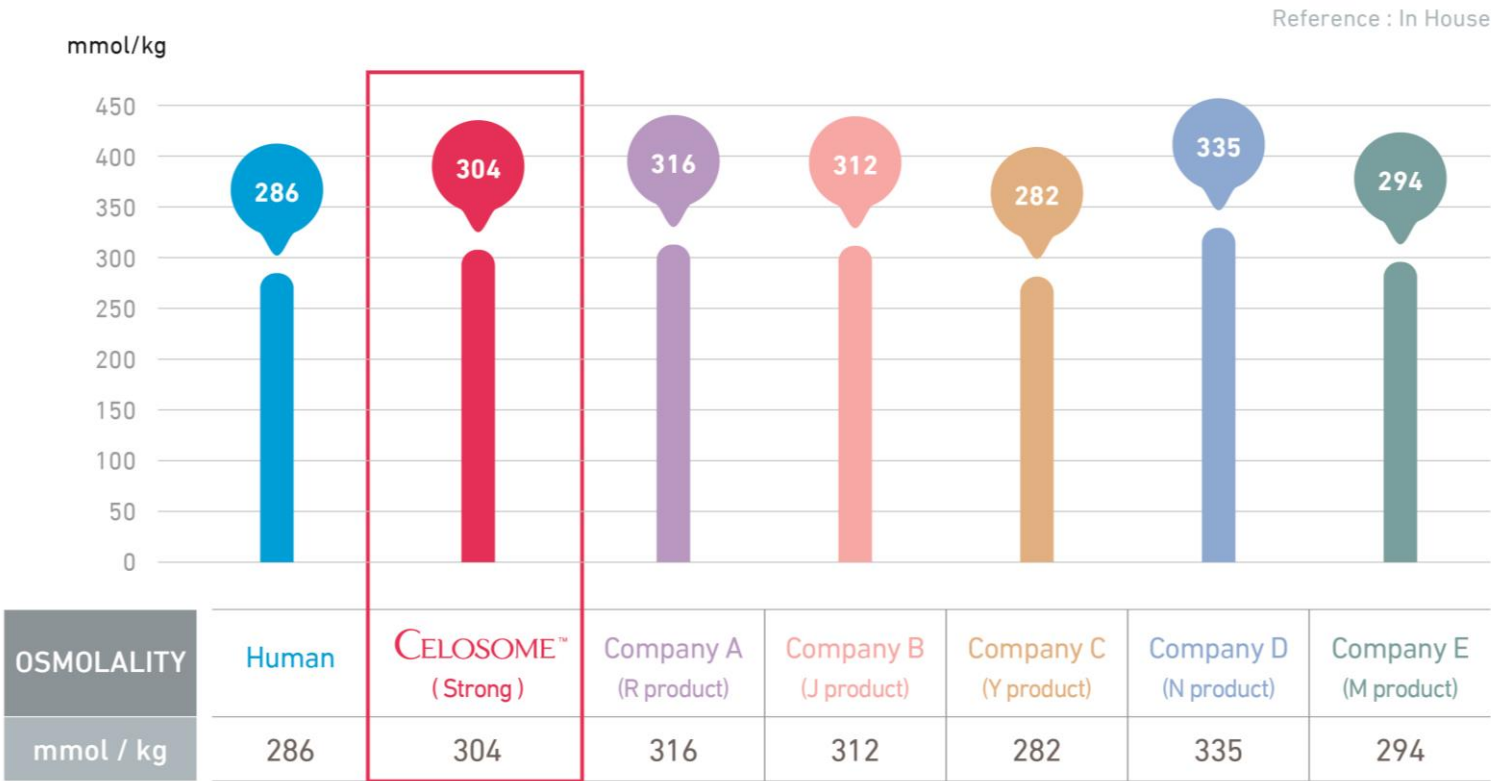
Injection Force



| EXTRUSION FORCE | CELOSOME™<br>( Strong ) | Company A<br>( R product ) | Company B<br>( J product ) | Company C<br>( Y product ) | Company D<br>( N product ) | Company E<br>( M product ) |
|-----------------|-------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| N               | 15.89                   | 18.30                      | 8.13                       | 9.87                       | 14.03                      | 21.20                      |

Celosome™ have a constant sense of infusion that doctors(injectors) feel.

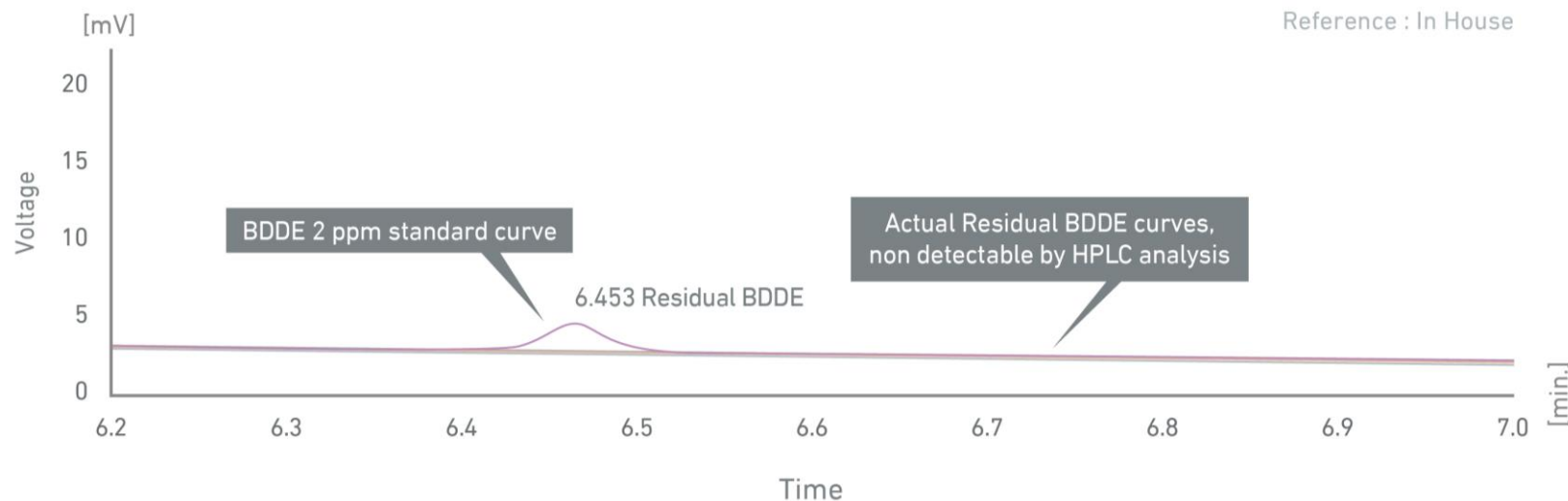
OSMOLALITY



The same as osmotic pressure in the human body means that there is little volume variation after **Celosome™** injection.

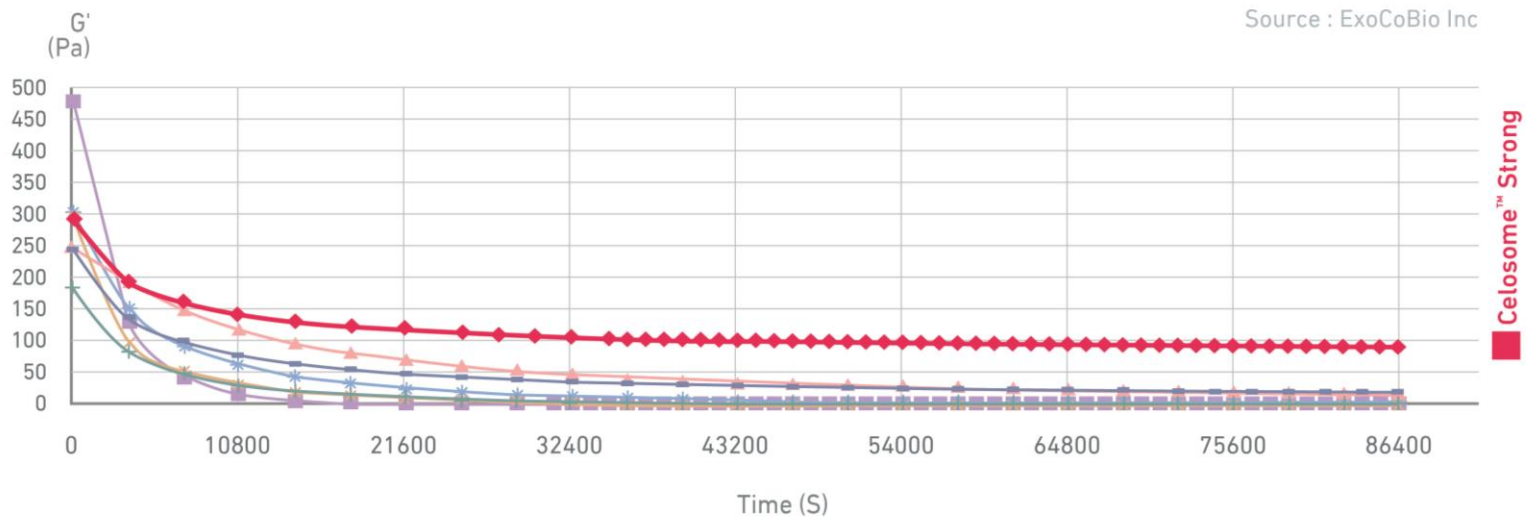
## RESIDUAL BDDE

BDDE as cross-linking agent is completely removed.



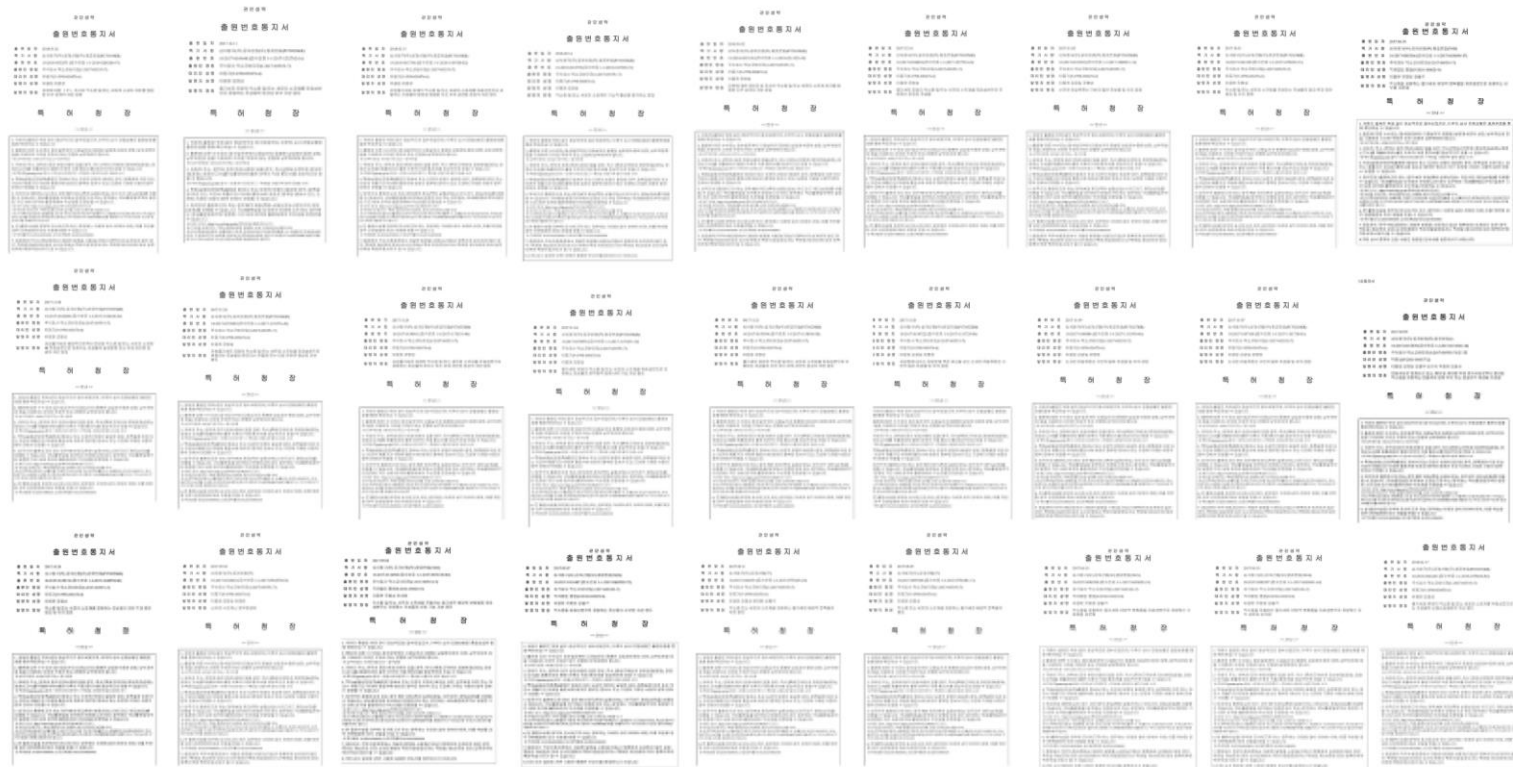
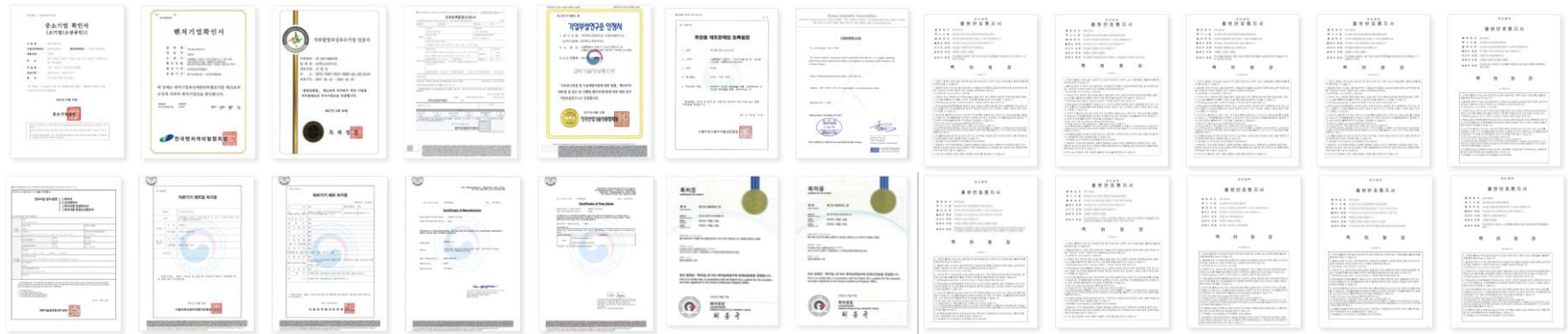
Our products rarely show BDDE(cross-linker) . (The KFDA regulations 2ppm)

## Viscoelasticity (24 hrs degradation by HAase)



| Rheological properties    | CELOSOME™<br>( Strong ) | Company A<br>(R product) | Company B<br>(J product) | Company C<br>(Y product) | Company D<br>(N product) | Company E<br>(M product) | Company F<br>(M product) |
|---------------------------|-------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Initial G' (Pa)           | 289.786                 | 483.858                  | 251.664                  | 298.126                  | 304.024                  | 185.995                  | 245.914                  |
| 24 hours later<br>G' (Pa) | 90.9362                 | 0.132596                 | 18.3638                  | 1.10401                  | 0.857926                 | 1.2402                   | 18.7611                  |

**Celosome™** series are better viscoelastic than other products over time. In other words, the post-injection maintenance period is relatively longer than that of other products.



## Production Facilities



## Packaging Facilities



## Product Warehouse



## Analysis Facilities

