

A new 4th generation peel that fills from deep within the skin

Correct the core balance of your skin

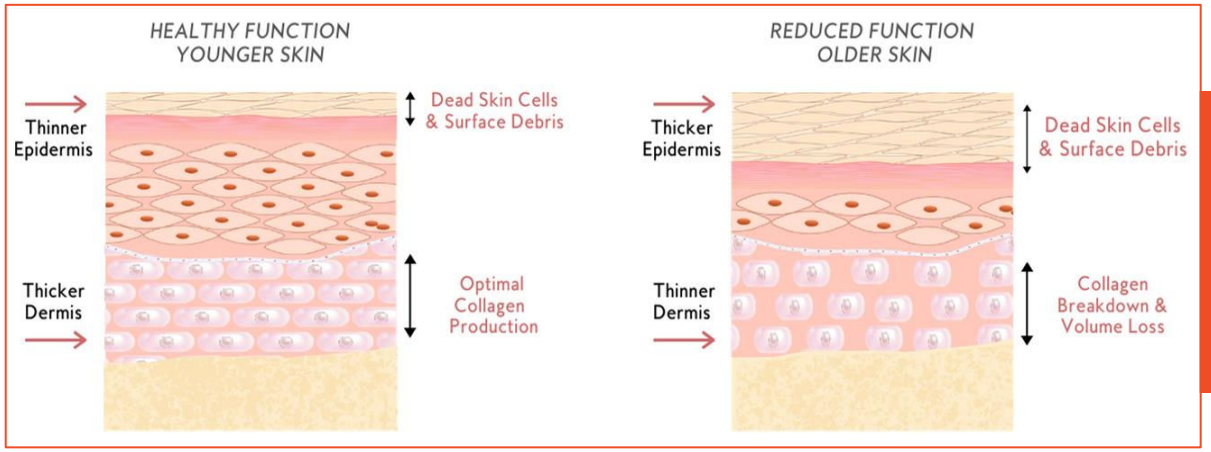
[KR: 10-2022-0089639 KR: 10-2024-0109462]

LHA LALA

Hospital training materials

Why do you need to peel?

When skin becomes rough due to various internal and external factors such as dryness, cleansing or stress, it's called dead skin. Dead skin cells are the front line of the skin and can cause a variety of problems if they are left on top of the protective protein layer or if dead skin cells are not replaced.



Reduced and lost collagen volume, diminished skin function, including epidermal thickening

Regular peels for epidermal exfoliation and skin cell renewal

Keratinocytes Function

Protects against external aggressors, helps prevent skin damage and helps balance the skin barrier

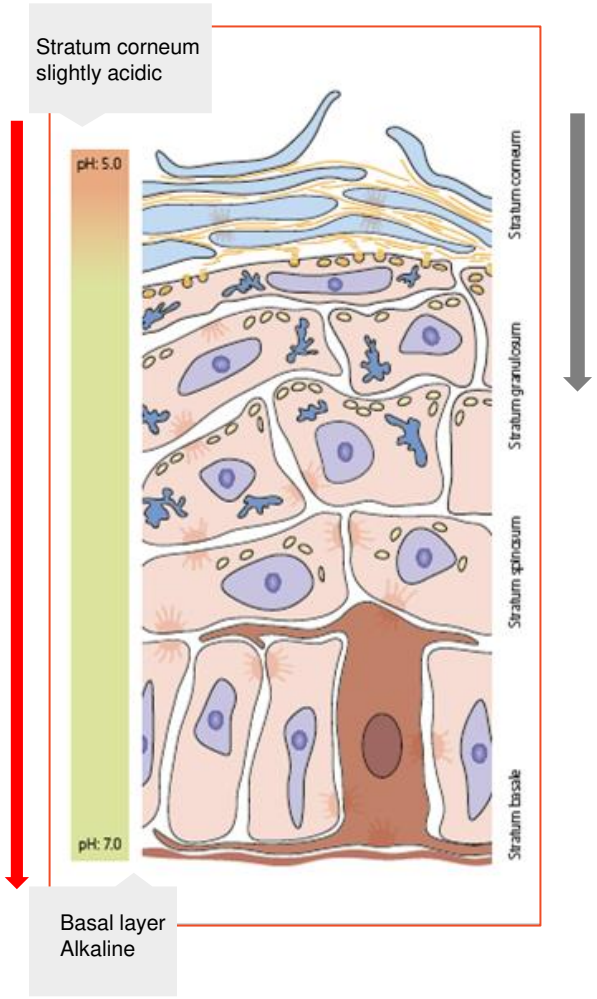
Dead cells accumulate, clogging pores and slowing regeneration

Types of peeling and penetration

LHALA peel LHA

4th Generation Peeling
A derivative of salicylic acid with an alkyl chain added to the benzene ring induces the separation of desmosomes, enabling cleaner and more even exfoliation.

- No irritation, inflammatory response, or downtime
- Increases epidermal thickness
- Pigmentation treatment
- Antibacterial, anti-inflammatory
- Dermis regeneration



The stratum corneum has a slightly acidic pH of around 5, and it becomes more alkaline as it moves toward the basal layer

AHA

By inducing hydrolysis of the bonds between keratinocytes, it weakens the electrostatic ionic bonds between keratinocytes, leading to exfoliation.

- **Inhibits melanin synthesis and has anti-aging effects**
- **Not suitable for acne-prone skin**
- **Difficult to use year-round (photosensitivity)**
- **Thinning of the epidermis**

BHA

As a lipid-soluble component, it integrates with the epidermal lipid barrier and breaks down the keratin protein structure of thickened keratinocytes

- **Anti-inflammatory, antibacterial/anti-inflammatory (effective against acne)**
- **Erythematous reactions with prolonged use**
- **Allergic reactions, not recommended during pregnancy and lactation**

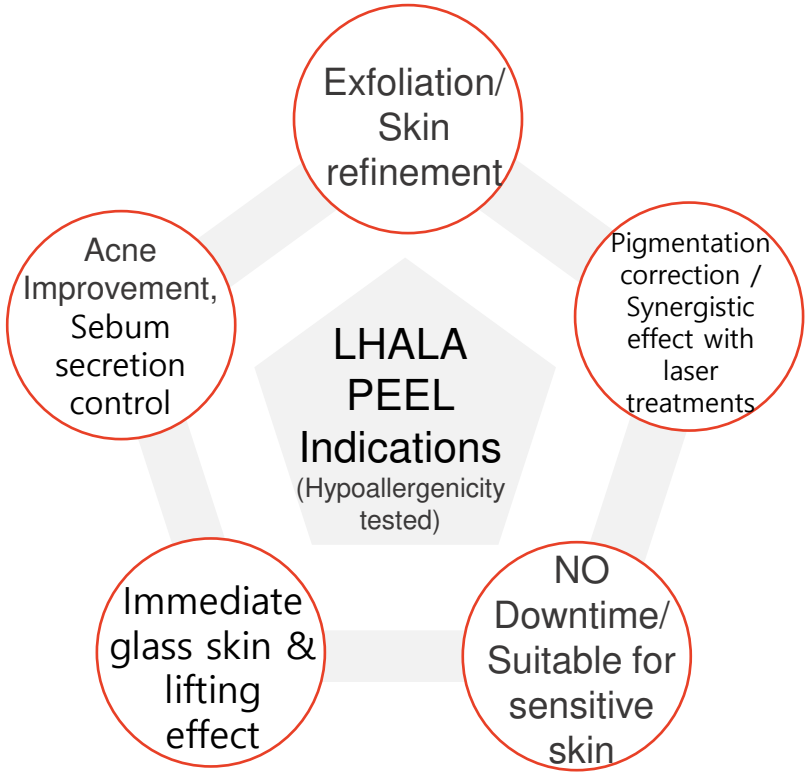
PHA

Galactose and gluconic acid bonding structure
Similar skin-improving effects to AHAs, but with less irritation

- **Provides hydration, exfoliation, and anti-aging effects**
- **The effects are minimal**

LHALA PEEL is a safe and simple way of achieving the best results

Regular peeling	VS	LHALA PEEL
Approximately 30 minutes	Treatment duration	Approximately 15 minutes
O	Using neutralizers	X (Simple water washing)
1-month interval	Treatment frequency	1 week interval (Minimal skin irritation)
X (Persistent exfoliation)	Post-treatment daily life	O
O	Side effects (pigmentation, redness, etc.)	X



- Collagen/elastic fiber remodeling induction
- Sebum secretion control
- Fibroblast activation
- Normalization of skin cell cycle

LHALA PEEL - advanced results, safe for sensitive skin

- Damage to the skin lipid barrier
- Stinging pain during the treatment
- Exudate, redness as side effects
- Exfoliation after treatment (no downtime)

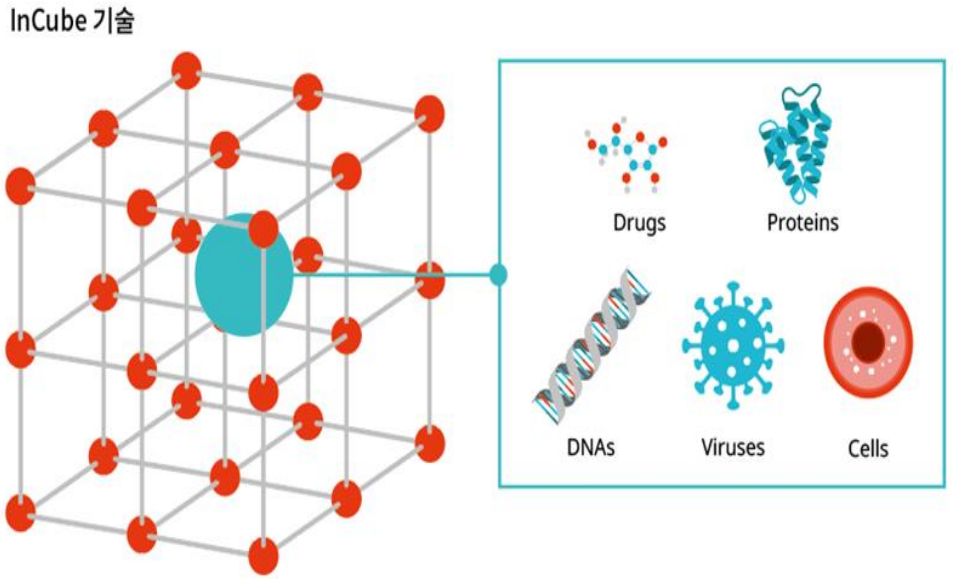
INCUBE Patented Technology

◈ Definition of the INCUBE technology:

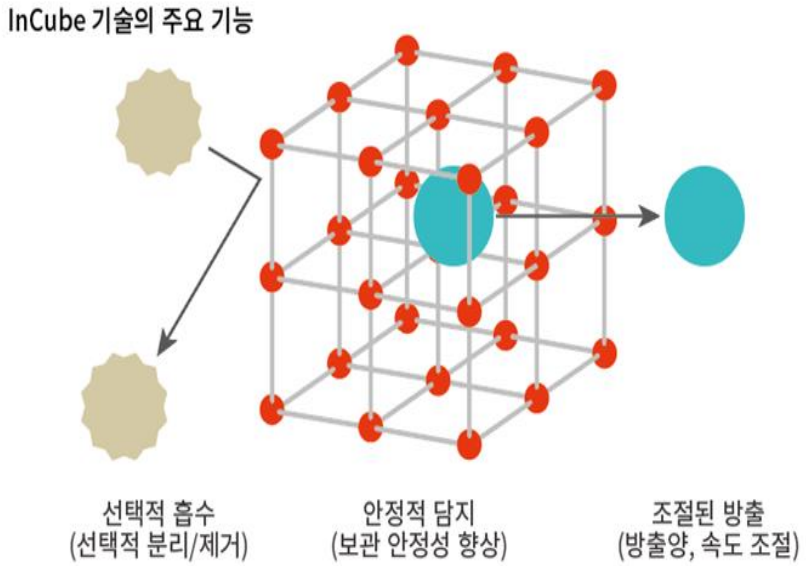
- A platform technology that allows for the selective storage, protection, and controlled release of desired substances (ingredients), along with materials utilizing this technology.
- A carrier created through molecular distance control technology, capable of encapsulating and releasing various substances such as drugs, proteins, viruses, and cells.

◈ Key features of INCUBE:

- Selective storage of desired substances (ingredients), protection from the external environment, and the ability to design their release in the desired way



분자로 만든 아파트와 같은 담지체로써,
약물,단백질, DNA, 바이러스와 세포등을 담지하고 방출 할 수 있는 플랫폼소재

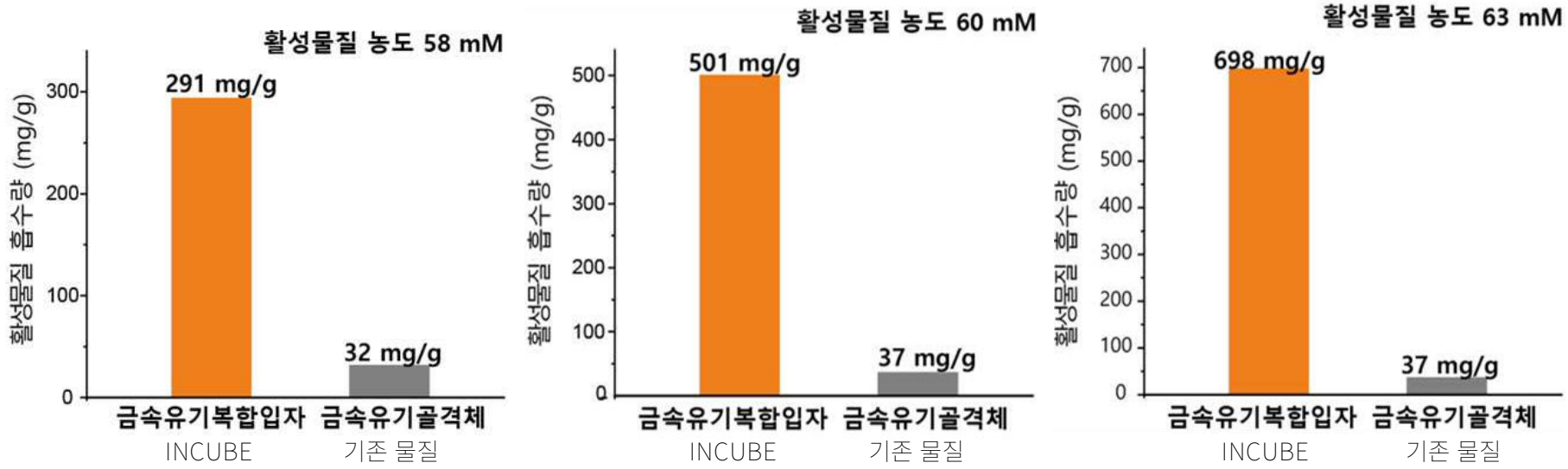


원하는 물질을 선택적으로 담지하며, 외부환경으로부터 담지한 물질을 보호하고
원하는 방식으로 방출할 수 있도록 디자인 할 수 있는 주요 기능을 가짐

INCUBE 특허보유업체 : 랩인큐브(주)

❖ Patent content of INCUBE's technology (Proof of drug encapsulation of INCUBE):

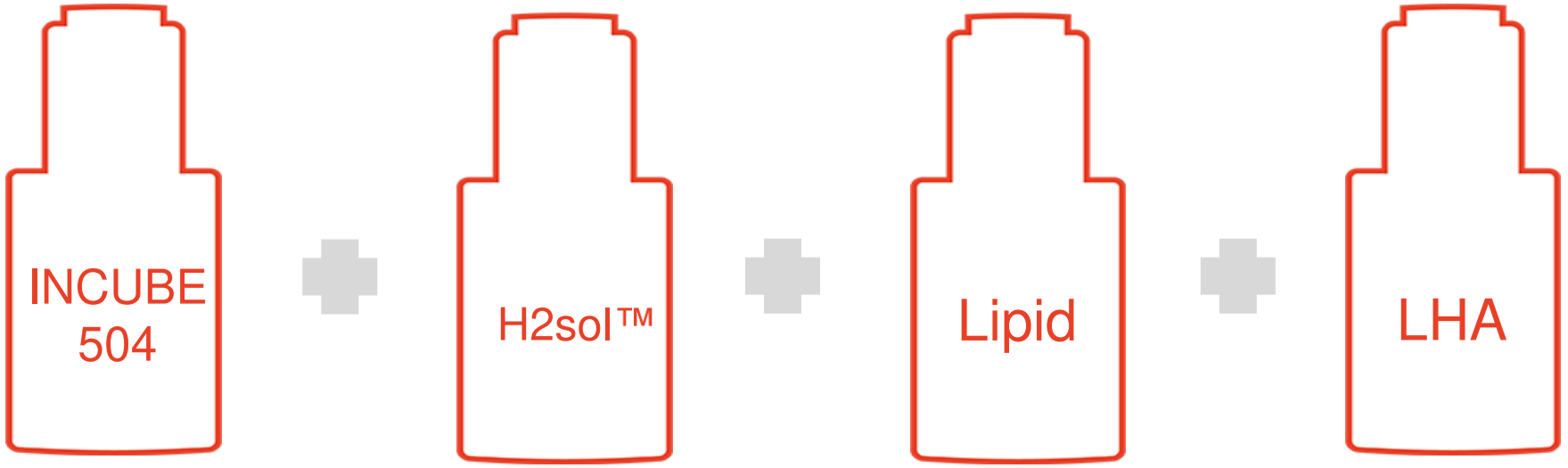
- INCUBE has the characteristic of regulating the concentration of active ingredients and controlling the absorption amount, compared to conventional drug delivery systems
- INCUBE absorbs active ingredients into its internal pores, protecting them and preserving the potency of the active substances
- INCUBE can enable immediate release, delayed release, sustained release, and controlled release depending on the design and application method of the material



Company Patents:
Metal-organic composite particles and compositions containing metal-organic composite particles [KR: 10-2021-0192388, PCT: KR2022/000539]
Metal-organic composite particles capable of adsorbing, storing, or releasing two or more functional substances, and compositions containing them [KR: 10-2022-0089639, PCT: KR2023/009884]]

INCUBE Patent Holder 랩인큐브(주)

The world's first combination of LHA and the patented ingredient H2sol™, along with INCUBE504



Inflammation suppression
Promotion of natural regeneration

Fibroblast activation
Collagen remodeling

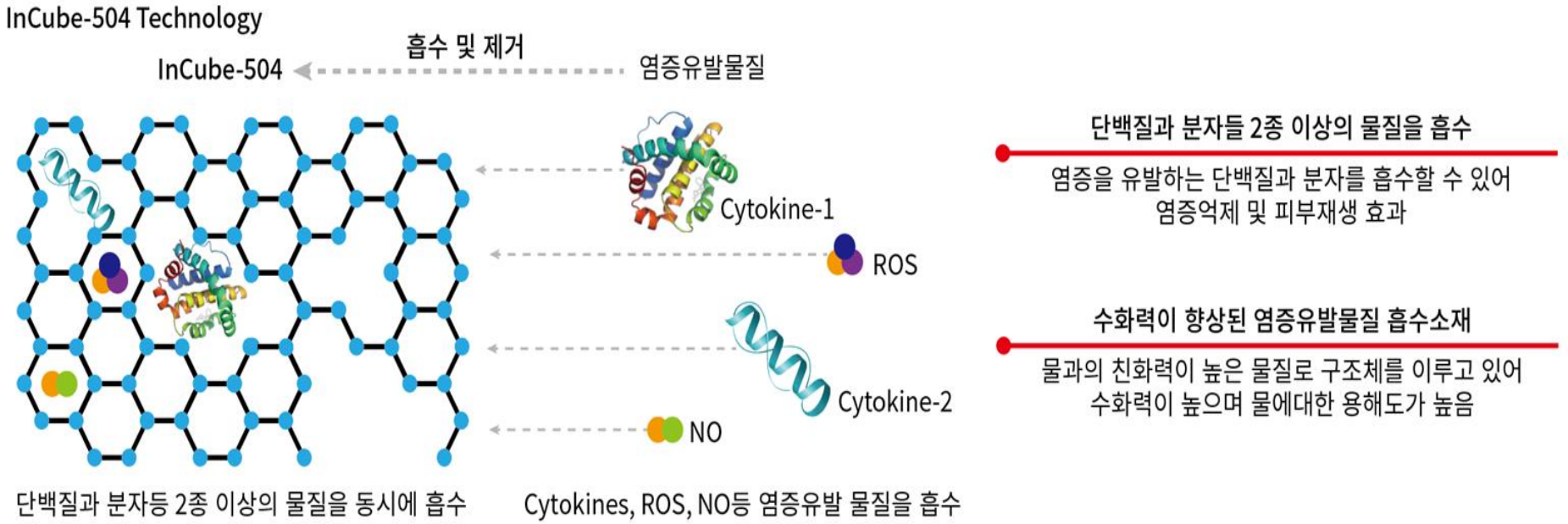
Act as a protective barrier
for damaged skin

Developed by L'Oréal
Exfoliates without skin irritation

[KR: 10-2022-0089639, PCT: KR2023/009884]

INCUBE 504 Technology

- By using INCUBE material, which can contain two or more substances such as proteins and molecules, it is possible to suppress inflammation and demonstrate skin regeneration effects.
- INCUBE 504 has high hydration capacity, does not form colloids, and can provide a stable formulation.



Reference:
Metal-organic composite particles capable of adsorbing, storing, or releasing two or more functional substances, and compositions containing them. [KR: 10-2022-0089639, PCT: KR2023/009884]

[KR: 10-2022-0089639, PCT: KR2023/009884]

Resources on INCUBE 504 Form and Structure

- INCUBE is a mixture of porous crystalline and non-crystalline structures, which has superior performance in holding desired substances compared to existing materials. It has an internal space capable of storing, protecting, and delivering various substances such as drugs, proteins, DNA, viruses, and cells.
- The particles are approximately 10μm in size and have a spherical shape, with a hollow interior.

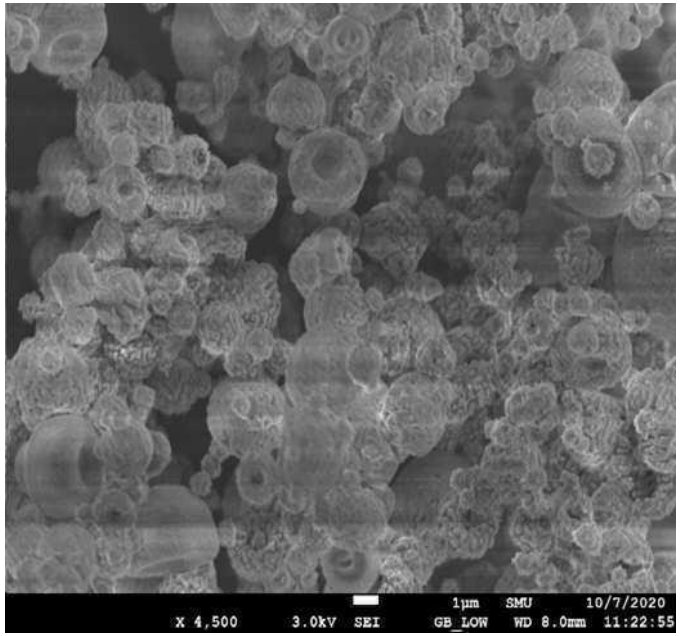
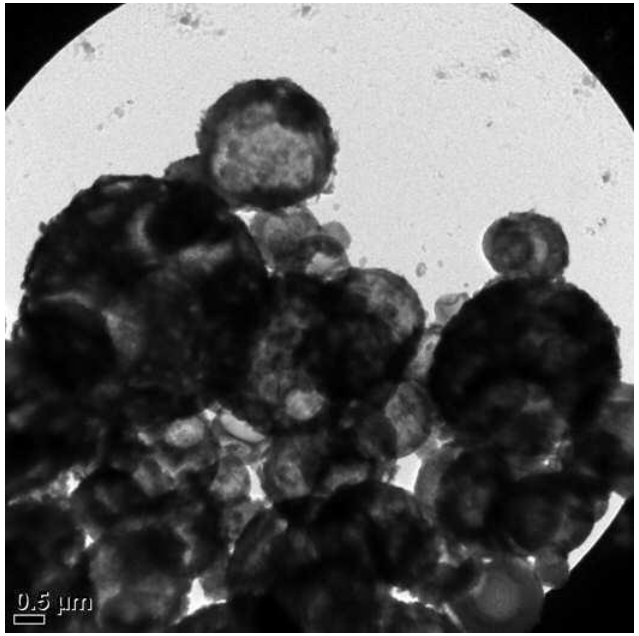
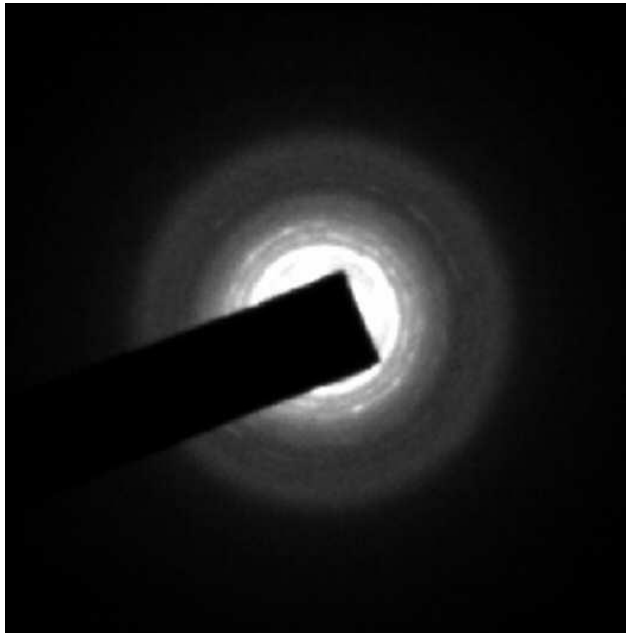


Image of INCUBE 504: Spherical particles with a size of about 10 μm.



Transmitted image of INCUBE 504: A structure with a hollow interior.

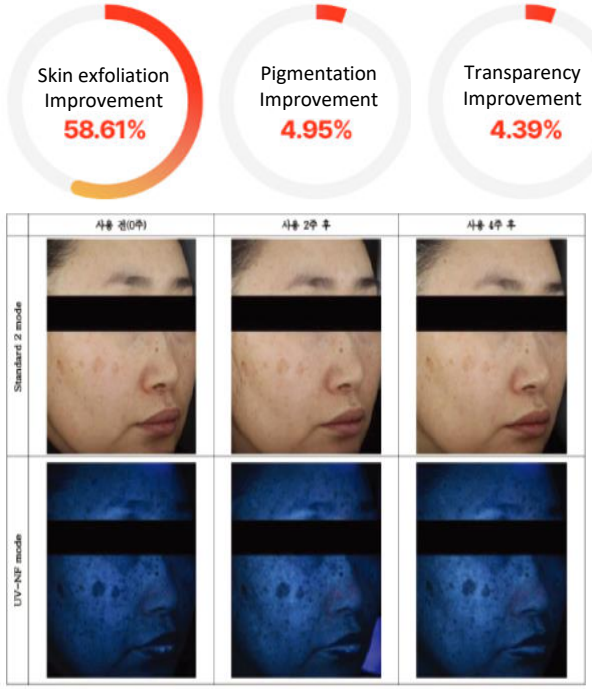


Structural analysis of INCUBE 504: Localised crystalline structure favors drug encapsulation

Reference:
Metal-organic composite particles capable of adsorbing, storing, or releasing two or more functional substances, and compositions containing them
[KR: 10-2022-0089639, PCT: KR2023/009884]

Chemical composition for a skin peeling agent having the function of inhibiting inflammation and improving the skin barrier, patent KR: 10-2024-0109462

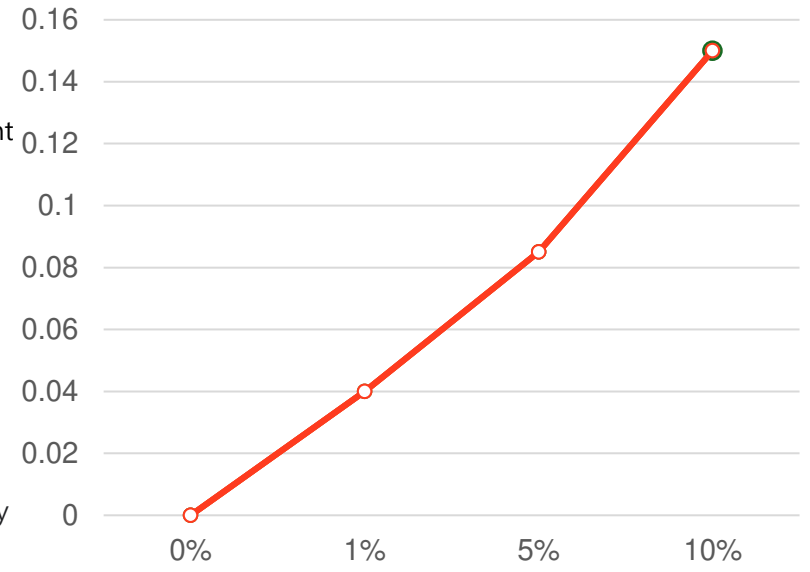
Natural ingredients combined with patented manufacturing technology ALKALI, H2sol™ has a proven high keratin and melanin dissolving capacity



1 Keratinolytic capacity measurement
Keratolytic effect

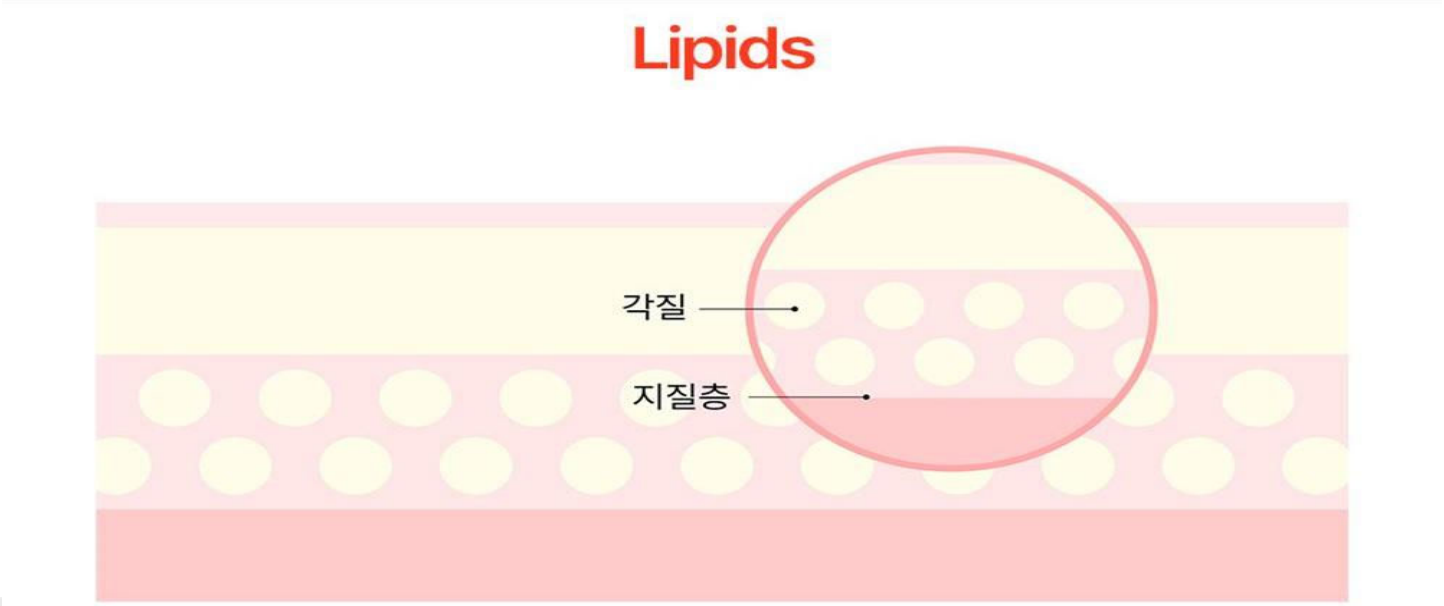
2 Evaluation results of skin transparency improvement efficacy through melanin dissolution ability measurement

3 Evaluation of exfoliation efficacy by measurement of keratinolytic capacity and keratin yield



Evaluation results of pigmentation improvement efficacy through melanin dissolution ability measurement

While stimulating the epidermis, it deeply penetrates to activate fibroblasts, protects the skin surface, and creates a skin barrier of proteins and lipids, thereby **remodeling collagen and connective tissue**.



As a phospholipid component, it acts as a natural alternative skin structure similar to the stratum corneum, performing the role of the skin until the damaged skin restores its normal function.

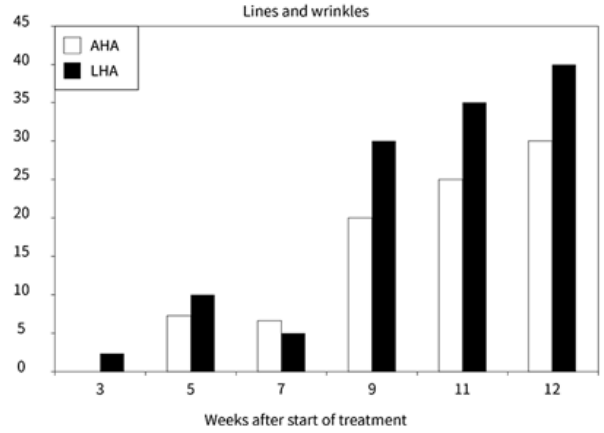
Synergistic effects when combined with or used alongside laser, MTS, and peeling treatments.



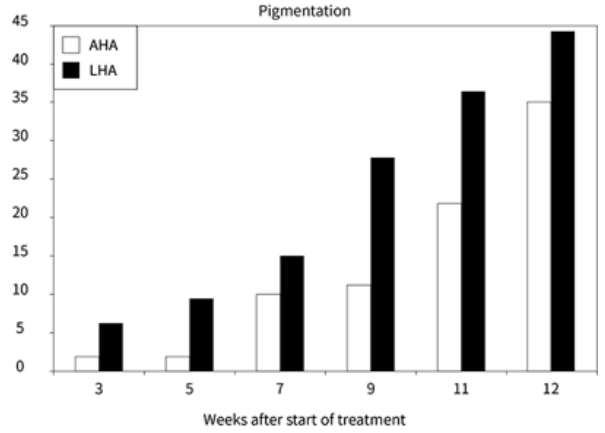
LHA(Lipo Hydroxy Acid)

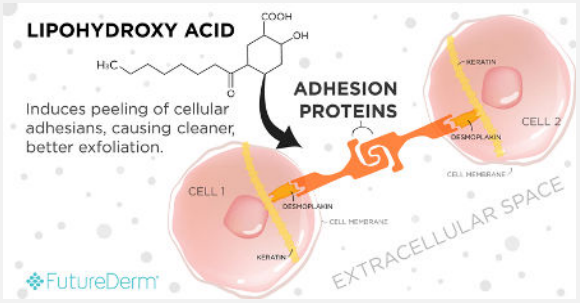
A new compound, capryloyl salicylic acid, slowly and reliably penetrates the basal layer to exfoliate dead skin cells in a process similar to normal exfoliation, completely dissolving alkalis into the skin**, inducing dermal layer regeneration and protecting and normalising the skin barrier safely and without irritation**.

LHA는 AHA보다 **137%** 주름 개선 효과



LHA는 AHA보다 **135%** 색소침착 **감소** 효과





1. LHA is a new substance developed by the global company L'Oreal corp.
2. Unlike conventional acids that forcibly break the bonds between corneocytes, LHA has incomparable lipophilicity and a slow penetration rate. It regulates trans-membrane glycoproteins, enabling cleaner and more even exfoliation without irritation.
3. LHA stimulates epidermal renewal and regeneration of the extracellular matrix.
4. LHA reduced the frequency of melanosome clusters and significantly increased basal epidermal thickness.
5. LHA has a remarkably high affinity for comedo and an antibacterial effect that improves skin conditions with high comedo.

Differences between LHALA PEEL BASIC and ULTRA , and their synergistic effects

BASIC	Differences in ingredient composition	ULTRA
LHA : 500ppm H2sol™ : 25%		LHA : 1000ppm H2sol™ : 50%
Stratum corneum, Epidermis	Depth of penetration	Basal layer of the epidermis
2-5 passes	Number of passes	2-3 passes
5-10mins (max, 30min)	Application time	5-10mins (max, 30min)
Deep cleansing effect, lymph drainage Evens out the thickness of the skin surface	Functionality and effects	Evens out the thickness of the skin surface Opens skin channels, enhancing absorption



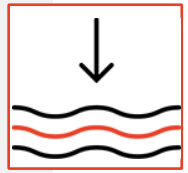
LASER
Activates the expulsion of cells damaged by laser, while forming a lipid barrier to accelerate regeneration



MTS
Using it before the treatment helps make needling smoother, tightens pores, and enhances the ampoule penetration power

LHALA PEEL synergistic effects

Skin Booster
Removes the stratum corneum to even out the surface thickness, increasing absorption rate



Lifting
Promotes the regeneration process in the dermis more quickly and effectively, helping to extend the lifting effect



Pre-Treatment Checklist & Post-Treatment Precautions

Pre-Treatment Checklist

- Check if any other peeling or treatments were received within the past 1-2 weeks.
- Saunas and at-home care peels should be avoided before and after the treatment.
- Shaving on the day of the treatment may cause excessive irritation.
- Use LHALA PEEL's dedicated cleanser, not cleansing lotions or creams, before the treatment.
- Make sure to check for any wounds or sensitive areas on the treatment area.
- Do not use sponges or nylon brushes (use only the dedicated brush).

Post-Treatment Precautions

- It is recommended to wash a face with water only until the next morning.
- Immediately after the treatment, it is better to provide nourishment (ampoules, masks) instead of applying makeup, as the skin channels are open.
- Avoid using cosmetics containing alcohol (especially perfumes, mists, aftershaves, etc.), as they may cause irritation. Do not use cotton pads for wiping or at-home care peels.
- As the skin regeneration cycle normalizes, hidden allergies or acne may surface, which is a completely normal reaction.

Pre-Treatment Preparation & Treatment Process

Treatment Process:

1. Apply Cleansing (Technique or self-cleansing)
2. 5 minutes of basic application (Brush Technique)
3. Simply remove (use wet cotton balls or wet disposable sponges)
4. Leave Ultra Application for 5 minutes (brush or swab technique)
5. Cleansing (brush or swab technique)
6. Finish or combine with other treatments or cold peeling

Preparation Items

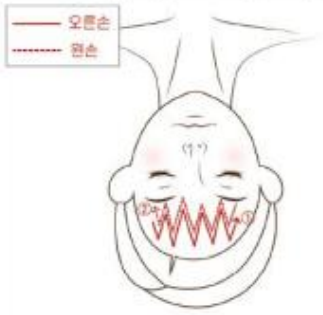
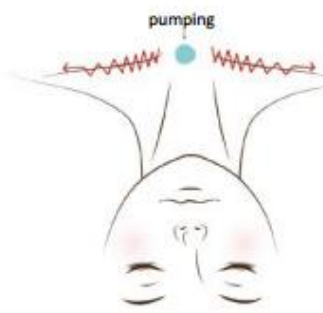


- • LHALA Micro O_2 Bubble Foam Cleanser
- • LHALA PEEL BASIC & ULTRA
- • LHALALA Biome Fit Clear Embo Gel Mask

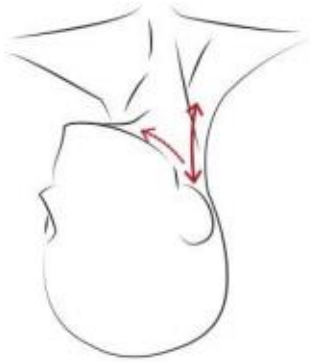
- • LHALALA Cleansing Brush (2)
- • LHALALA Peeling Brush (1)
- • Large Cotton Swab (1)

- • Glass bowl (2)
- • Several Disposable Microfiber Cloths

Brush Cleansing Techniques

1 Apply cleanser to neck	2 Apply on the face following the arrows	3 Apply on the forehead in **zig-zag motion (3 sets)**	4 Apply on the temple area making **number 8 (3 sets)**
			
5 Apply on the eye area making **number 8 (3 sets)**	6 Apply on the side of the nose making **number 8 (3 sets)**	7 Apply on the nasal line making **number 8** & mouth area in **circle motion (3 sets)**	8 Apply on the check area making **number 8 (3 sets)**
			
9 Apply all over the face once more	10 Apply from behind the ears to the décolleté making **number 8 (3 sets)**	11 Apply along the collarbone in **zig-zag motion (3 sets)**	
			Precautions: When using the brush technique, be careful not to apply the brush to the face. Apply a little pressure to the eight-way rolling lymph and sweep lightly.

LHALA PEEL - Brush Techniques

1	2	3	4
Rub it left and right (3 sets) along lymph nodes	Starting from the back of the ear, continue along the jaw line	Apply to the cheek area	Apply on the forehead
			

5. Apply the remaining solution to the eye area (Be careful not to get it in the eyes)
6. Do the same on the other side.
7. After both treatments, apply additional product to cover any deficiencies. The chin, throat and nose area should also be treated thoroughly.



Apply the brush completely and rub left and right until foam is formed. Then gently spread downwards.



Start at the lymph node behind the ear and move gently along the jawline.



Rub between cheeks and cheekbones until foam forms, then gently smooth out over face.



After you have proceeded to the end, apply any additional parts that are missing.

LHALA PEEL Swab Technique







1. Apply starting from the neck in a **sweeping motion (repeat 3 to 5 times)** from bottom to top	2. Apply along the jawline	3. Apply it all over the cheek area
4. Apply to temples area	5. Apply on the forehead	6. Apply to the nose
7. Proceed the same on the other side	8. After both treatments, additional treatments are performed on the missing areas	**The treatment sequence is the same as the brush technique.

LHALA PEEL Scalp Techniques







1. Apply on the back of the neck in # shape	2. Apply to temples area in # shape	3. Apply on forehead area in # shape
4. Apply on top of the head in # shape	5. Apply to the other side in the same direction	**Apply more force to the cotton swab than when performing the procedure on the face.

LHALA PEEL Why LHALA PEEL Helps with Lymphatic Circulation:

What is Lymph?
Lymph is a fluid component that normally exists between the cells in the human body and is absorbed and flows through the lymphatic vessels. When there is a wound, blood initially comes out, and after a short time, a clear fluid begins to seep out—this fluid is lymph. The lymph nodes in our body act as a sewage treatment plant, handling various waste products produced within the body.

The role of lymphatic fluid

1. Cleans up waste products that the blood cannot remove.
2. Transfers fats to the bloodstream and delivers them to where the body needs them.
3. Removes waste, viruses, bacteria, and cancer cells.
4. Responsible for immune functions.
5. Maintains electrolyte balance.

Areas with a High Concentration of Lymph Nodes

1. Armpits
2. Groin
3. Abdomen
4. Behind the ears, under the jaw
5. Trapezius muscle

Problems Caused by Loss of Lymphatic Function

1. Occurrence of edema (swelling)
2. Onset of inflammation or acceleration of existing inflammation
3. Reduced immunity
4. Decreased nutrient supply
5. Weight gain due to edema



The excellent purifying and skin-protecting effects of fermented extracts derived from Jeju organic herbs (gardenia, Lithospermum root, schizandra, and turmeric) and rice oil, combined with Jeju lotus water, provide significant benefits. Gently stimulating lymph nodes with a dedicated brush greatly aids lymphatic circulation.
The key difference between general peeling and LHALA PEEL lies in its ability to promote lymphatic circulation, which helps enhance skin functionality and creates a remarkable distinction in results.

LHALA Micro O_2 Bubble Foam Cleanser



01 Contains LHA, a low-irritation 4th generation exfoliating ingredient, which removes dead skin cells without causing irritation.

02 Uses biodegradable, environmentally-friendly plant-derived surfactants, making it safe for sensitive skin without any concerns.

03 Plant-based extract ingredients help maintain moisture, preventing the skin from becoming easily dry even after cleansing

04 It is a low-irritation, mildly acidic type that is gentler on the eyes and helps maintain a healthy skin pH balance, protecting the skin barrier.

05 The fine oxygen bubbles that bloom white help to cleanse makeup and impurities deep within the pores, ensuring a thorough cleaning

LHALA Biome Fit Clear Embo Gel Mask (soothing/moisturizing)





01 It can be used in conjunction with ultrasound devices, reducing treatment time while enhancing the penetration of active ingredients.
(Ultrasound gel + ampoule + finishing mask all in one!)

02 #moisturising #soothing #whitening #firming #illuminating #lightening
5 ways to achieve a flawless complexion with a radiant glow.

03 Microbiome (probiotics) and ceramide ingredients protect the skin barrier, while centella asiatica extract helps soothe the skin, promoting healthy skin.

04 The gel is in the form of a highly concentrated ampoule, which provides an immediate cooling and soothing effect without being runny or sticky.

05 The patented 3D embossed structure gel mask adheres seamlessly to the skin, delivering active ingredients effectively.

Why does the brush technique create bubbles?
•LHALA PEEL creates bubbles that form glycerin, helping with skin hydration.
•The basic treatment (which acts as a booster before the ultra treatment) opens up the skin's channels, so when the ultra treatment follows, the solution's penetration is much better.

If I get more acne after the treatment, is it a side effect?
•LHALA PEEL helps normalize the skin's keratin cycle, so during the process of clearing out old keratin layers, acne hidden beneath may surface. This is a natural occurrence.

What is the treatment interval?
•When only LHALA PEEL is used, treatments are done once a week. If combined with other laser treatments, follow the interval of the laser treatments.

Can I use any brush during the treatment?
•Regular brushes used for applying masks are made with synthetic bristles and can be too rough, possibly causing scratches on the skin. Since LHALA PEEL can cause the brush bristles to melt and penetrate the skin, it is recommended to use a dedicated brush.

Is it safe to undergo treatments for a long period?
•LHALA PEEL is not just a peeling treatment but helps improve the skin barrier and normalize the keratin cycle. The more treatments you receive, the more the skin is nourished, and no thinning or damage to the skin occurs. Therefore, it is safe for long-term use.

Do I need to wash my face with water after the treatment?
•Since there is no separate neutralizer, water serves as the neutralizing agent.
•For sensitive skin, wash the face immediately after application. If you allow the solution to absorb, the discomfort (like stinging) will decrease with repeated treatments.
•If left on too long, redness or blisters may form, so it is recommended to wash with water promptly.



Before After



Before After



Before



Before



After



After