

Science Behind the Patch!

# CELLOIT™

## Nano Patch

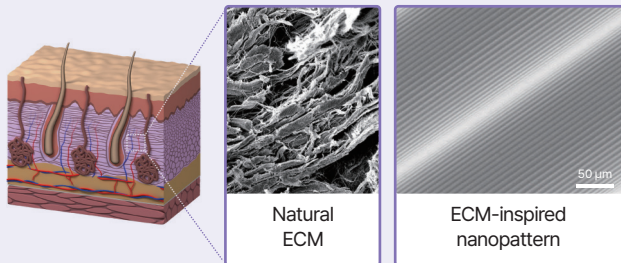


- ✓ World's first patch with nano-patterns
- ✓ Cost-effective – Lasts up to two days
- ✓ Ultra-thin (0.1mm) for an invisible look

## A skin patch focused on structure, not just ingredients

### What is a Nano Pattern?

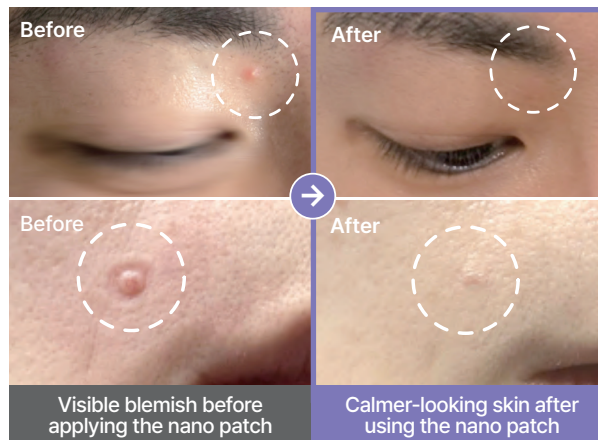
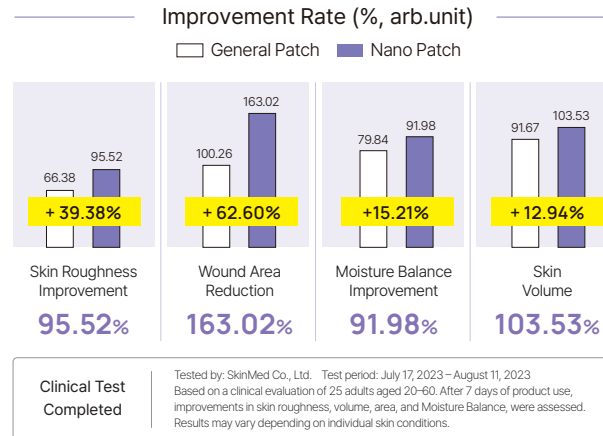
A nano-pattern is more than a simple surface texture. It is a structural design that helps skin cells move and align in a more organized way on damaged skin. Like creating gentle pathways, the nano-pattern guides the direction of cell movement, supporting a more orderly skin recovery process.



- Proprietary Technology for producing nano/micro structure and the core source material
- Precisely replicates the nano structure of the ECM, which promotes cell migration, proliferation, differentiation and tissue regeneration

## Noticeably better skin calming and recovery compared to other products

Across four evaluation areas, the skin showed clearer and more stable recovery compared to untreated skin (based on objective assessment data).

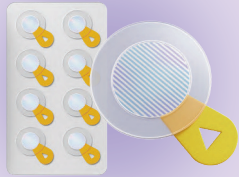


## Pattern Design Inspired by Healthy -Looking Skin

By creating a nano-pattern inspired by the natural texture of healthy skin, the patch is designed to support a smoother, more evenly balanced skin recovery.

Without Nanopattern Regular Spot Patch	VS	With Nanopattern CELLOIT Nano patch
<b>Irregular Skin Regeneration</b> Skin cells regenerate unevenly around the wound area, resulting in an irregular skin texture.		<b>Smooth Skin Regeneration</b> Nano pattern guides cells to migrate in a consistent direction, promoting orderly skin healing
<b>Uneven Tissue Formation</b> The wound area regenerates irregularly, which may result in uneven skin texture or visible skin irregularities.		<b>Uniform Skin Texture</b> The nanopattern structure helps guide the direction of skin cells, supporting more uniform regeneration of the skin texture.
<b>Turns white and swells</b> As the patch absorbs fluid from the blemish, the surface may gradually turn white and swell over time.		<b>Non-swelling structure</b> With a nano-pattern design that does not absorb fluid, the patch maintains the natural shape of the skin surface.

\* This image is provided for illustrative purposes only. It shows internal research results from NANOBIO SYSTEM, observing the movement of regenerating cells without cell staining.



How to remove the nano patch

## How to remove the nano patch

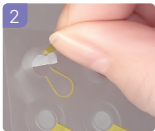
**Handle Designed for Easy Removal**  
Always place the handle as shown — lower right corner, gently peel away

### How to Use



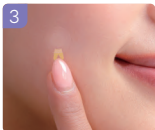
**1** Cleanse the target area thoroughly before use

\* If applying to a bleeding wound, make sure to stop the bleeding before use



**2** Hold the guide handle and gently peel off in the direction of the arrow

\* Refer to the removal guide above



**3** Apply the patch to the target area with the handle pointing at 6 o'clock, then remove the handle

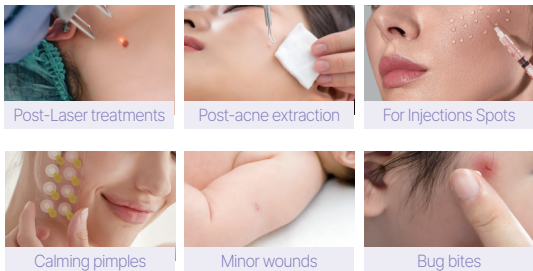
\* Reapply if necessary based on wound condition



**4** Please keep the patch on for 2 days without replacing it

\* Due to the material properties, the center of the patch does not swell over time like regular patches

### When to Use Nano Patch !



As it directly touches the skin, it's made with safe, gentle PCL (a premium medical-grade filler material) and contains no harmful ingredients

# 25 Years of Expertise in Stem Cell & Nanotech

Created With The Lifelong Commitment of Leading Bioengineering Expert, Professor KIM Jangho

✓ 2025 Winner of COSMOPROF NA Awards in Skin&Body Care Products



✓ Winner of the Minister's Award (Grand Prize) at 2025 CosmoBeauty Seoul



✓ 100+ awards including Samsung Human-Tech Thesis Grand Prize, TERMIS-AP recognition, and Ministerial Commendations

✓ 180+ Publications and 25 Patents Filed and Registered



#### Key Publications

- Directional matrix nanotopography with varied sizes for engineering wound healing, *Advanced healthcare materials*, 2017, 6 (9), p. 1700297. [IF: 10, JCR: 5%]
- Hydrogel nanospine patch as a flexible anti-pathogenic scaffold for regulating stem cell behavior, *ACS Nano*, 2019, 13 (10), p. 11181-11193. [IF: 18.027, JCR: 5%]
- Multiscale patterned transplantable stem cell patches for bone tissue regeneration, *Biomaterials*, 2014, 35 (33), p. 9058-9067. [IF: 15.304, JCR: 1%]
- Transplantable stem cell nanobridge scaffolds for accelerating articular cartilage regeneration, *Biomaterials*, 2023, 301, p. 122287. [IF: 15.304, JCR: 1%]
- Plasma-assisted multiscale topographic scaffolds for soft and hard tissue regeneration, *npj Regenerative Medicine*, 2021, 6 (1), p. 52. [IF: 10.364, JCR: 5%]
- Tendon-inspired nanotopographic scaffold for tissue regeneration in rotator cuff injuries, *ACS Omega*, 2020, 5 (23), p. 13913-13925. [Featured by American Chemical Society]

# CELLOIT

## Nano Patch



After Acne Extraction / Daily Calming Care / After Mole or Laser Treatments



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