

FDA Class II medical device | CE Class II medical device | MFDS Class III medical device



TargetCool

by CoolHealth

Redefining Cryotherapy

What is the **MECHANISM** of cryotherapy?

If the body temperature is reduced instantaneously within a short period of time, the body's blood vessels expand to restore normal body temperature, thereby increasing the supply of oxygen and nutrients in the body. This promotes blood circulation and quickly removes fatigue substances. As a result, it is good for relieving muscle and fatigue, reducing inflammation and helping to heal.

In addition, it reduces or blocks the speed of pain nerve transmission through vasoconstriction, thereby reducing pain similar to the effect of local anesthesia.

Why is **PRECISE CONTROLLED TEMPERATURE** necessary for cryotherapy?

Conventional cryotherapy cannot precisely control the temperature. As a result, cryotherapy can cause frostbite, burns, and frozen limbs, leading to skin blisters, swelling, inflammation, and necrosis by significant damage to the skin tissues.

Clinical studies showed that the bio-marker improvement was sluggish if the cooling temperature was too low or too high. Furthermore, the inflammation markers were effectively reduced only when temperature and time were precisely controlled. In addition, it is necessary to precisely control the temperature to increase reproducibility and achieve the same clinical effects.

Optimum Cooling Optimum Care

TargetCool

TargetCool is a first-of-its-kind medical device that provides precise, controlled CO₂ cooling for the reduction of pain, inflammation, swelling and bruising across an array of procedures.



Precise Control

TargetCool gives you an unprecedented degree of control over the temperature and duration of cooling.



Precise Cooling

Compressed CO₂ cryogen is modulated by digital controls, IR sensors, and a calibrated nozzle, delivering precise, controlled, and rapid cooling to the skin.



Simple. Intuitive. Comfortable.

TargetCool is easy to use. Simply input the desired temperature and time into the TargetCool device, point and spray, and within seconds TargetCool cools the target area to your specifications.

Infrared Sensors

Configured to detect the current temperature of the target area

Guard

Configured to help maintain the appropriate distance between the target area and the outlet of the fastened nozzle

Regulation Module

Realization of optimal target cooling temperature by controlling thermology of cryogenic refrigerant

Trigger

Configured to be pressed and held to perform various functions such as starting the spray of cryogen, stopping the spray of cryogen, or testing the IR temperature sensors



CO₂ Cartridge

99.9% purified CO₂ filled in Aluminum Cartridge

Cartridge filter

Configured to filter any potential impurities from the fastened cartridge

LCD Display

Real-time monitoring of skin temperature

Control Knob

Configured to be turned, pressed, or held to set target temperature and time

Three. Interchangeable modes. One. revolutionary device.

TargetCool is compatible with three nozzle types configured to spray cryogen at a controlled temperature to the target area..

Cooling Mode (Temperature Control : -10°C~-5°C)

Reduce pain and discomfort during the procedures

Minimize inflammation, swelling, and bruising after the procedures

- Injectables (Neurotoxins, Fillers, PRP, Skin Booster, etc.)
- MTS(RF Microneedling, Microneedling with PRP, etc.)
- Laser Treatment



Boosting Mode (Temperature : 2°C~4°C)

Provide targeted solution delivery with supersonic CO₂ jet

- Skin booster Treatment

Reduce pain and discomfort after the procedures

- Post - MTS (RF Microneedling, Microneedling with PRP, etc.)
- Post - Laser Treatment



Freezing mode (Temperature : -79°C)

Ensures safe and effective procedures for targeted cryosurgery

- Removal of skin tag
- Removal of wart
- Removal of skin lesion



TargetCool Boosting

Discover enhanced comfort and fast recovery with TargetCool Boosting's advanced crystallized and aerosolized solutions.

Needleless Cooling Delivery System

DEJ Targeted Action, Fast Results

Synergy Maximization



TargetCool Boosting

Needleless Cooling Delivery System

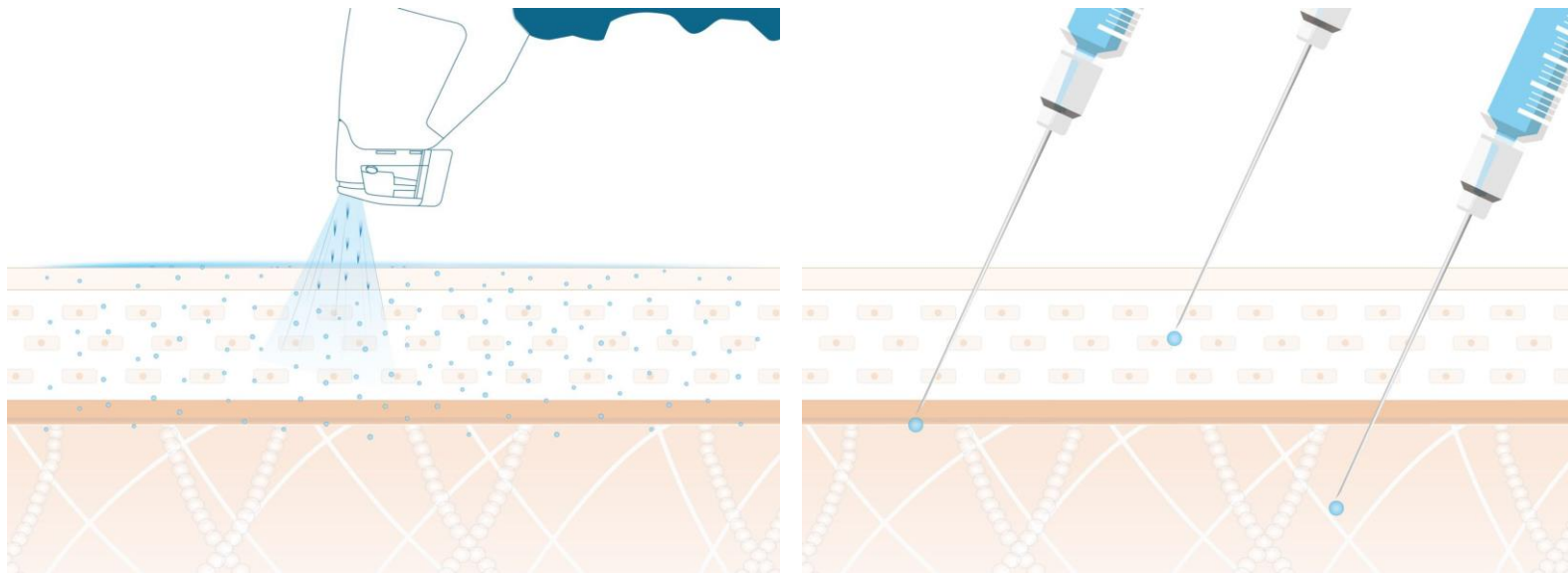
TargetCool Boosting is a needle-free, non-invasive, cryo solution delivery system. The frozen micro-particles are forcefully jetted from the container and propelled into the skin at near-sonic speeds, reaching the dermal-epidermal junction without heat damage. This painless procedure has less downtime.



TargetCool Boosting

Needleless Cooling Delivery System

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TargetCool Boosting

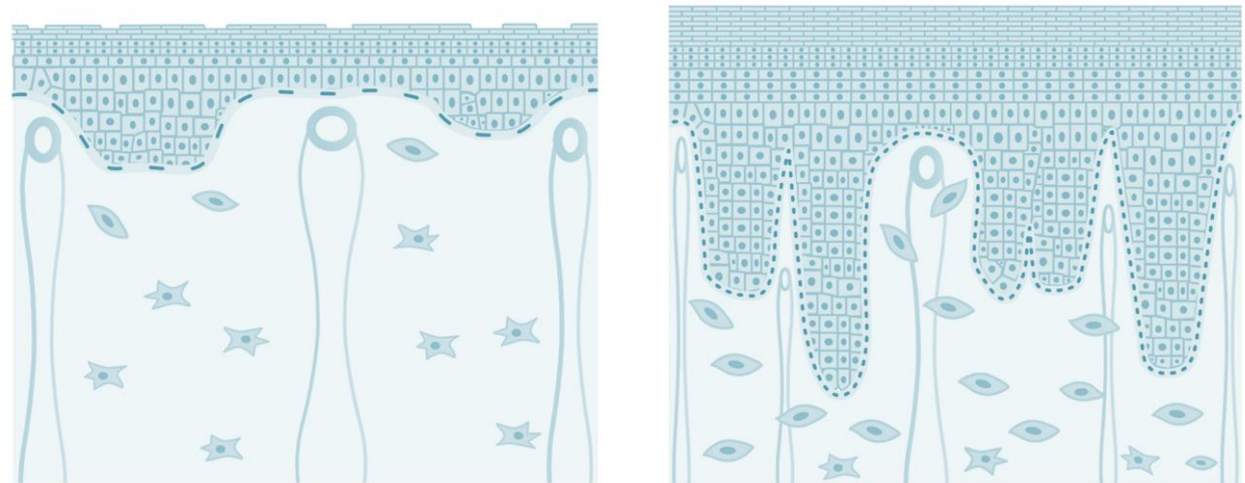
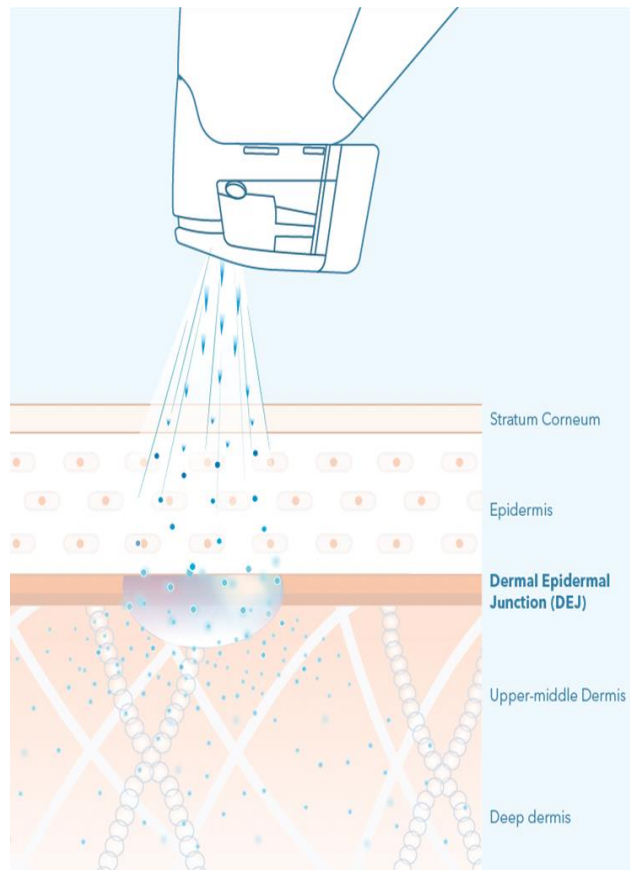
Conventional Treatment

Effect	YES	YES
Needle-Free	YES	NO
Fast recovery	YES	NO
Comfortable	YES	NO

TargetCool Boosting

DEJ Targeted Action, Fast Results

TargetCool Boosting specifically targets the dermal-epidermal junction (DEJ) to deliver benefits by promoting rapid absorption in both the epidermis and dermis. This reinforces skin layer connections and can potentially combat aging effects like wrinkles and loss of elasticity, yielding quick results.



Benefits of DEJ-targeted treatments

- DEJ integrity
- Protect protein components
- Activate cellular communication
- Enhance growth factors and extracellular matrix

TargetCool Boosting

DEJ Targeted Action, Fast Results

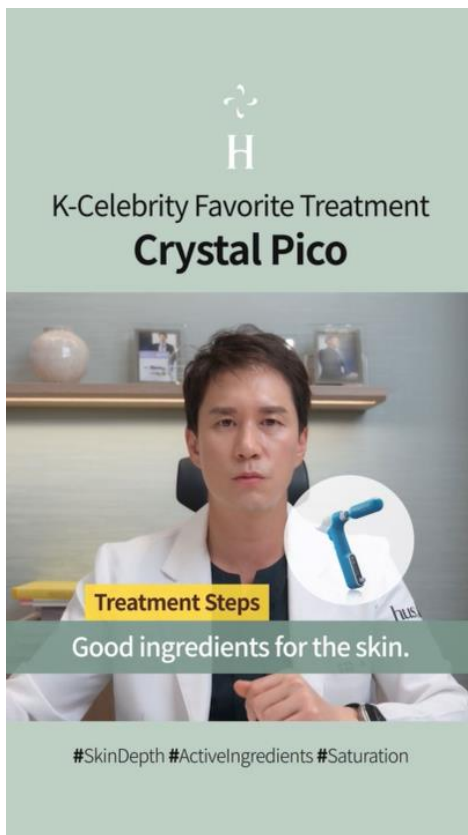
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TargetCool Boosting

Synergy Maximization

TargetCool Boosting is versatile, enhancing various skin treatments. It works exceptionally well with barrier-removing or skin-channeling procedures, increasing solution absorption and speeding up recovery while minimizing side effects.



Courtesy of Dr. Kyungkook Hong, Clinique Hus,hu

TargetCool Boosting

DEJ Targeted Action, Fast Results

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B/A : MTS + Exosome(E-50) + TargetCool (only one-time treatment)

Enhancement in Jawline Lifting



Enhancement in PIH from Acne



TargetCool Cooling

Elevate patient comfort by alleviating pain and discomfort and minimizing procedure time with precisely controlled TargetCool Cooling.

Reduced Complication

Cooling Anesthesia

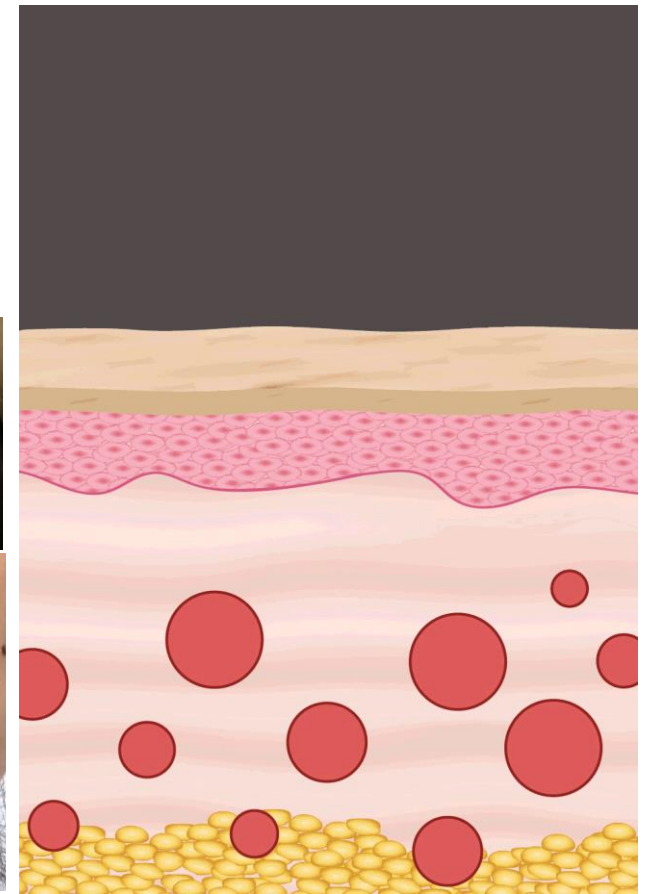
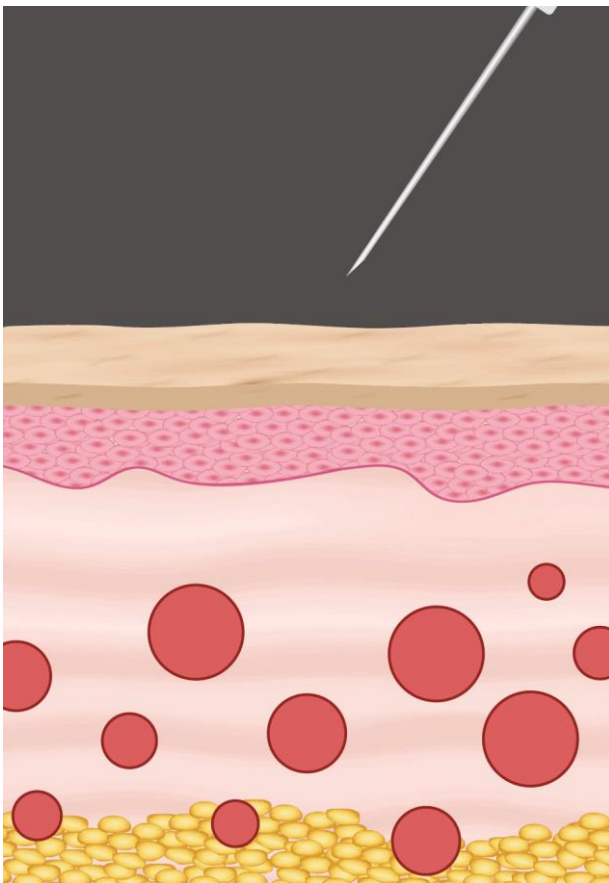
Improved Patient Comfort



TargetCool Cooling

Reduced Complication

TargetCool Cooling alleviates bruising, swelling, and hematoma caused by potential vascular damage during injection procedures through its immediate skin cooling, which induces vasoconstriction.

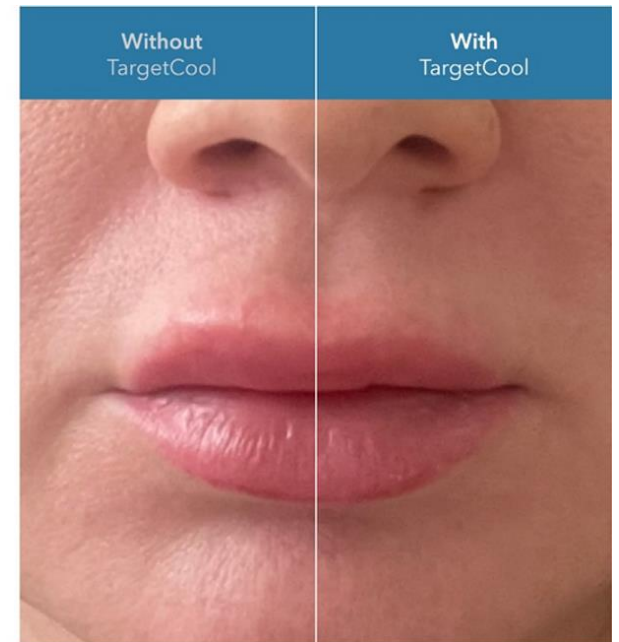
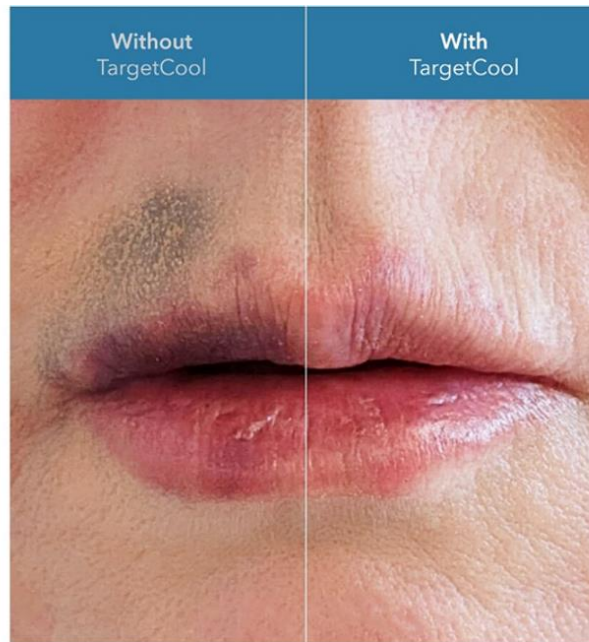
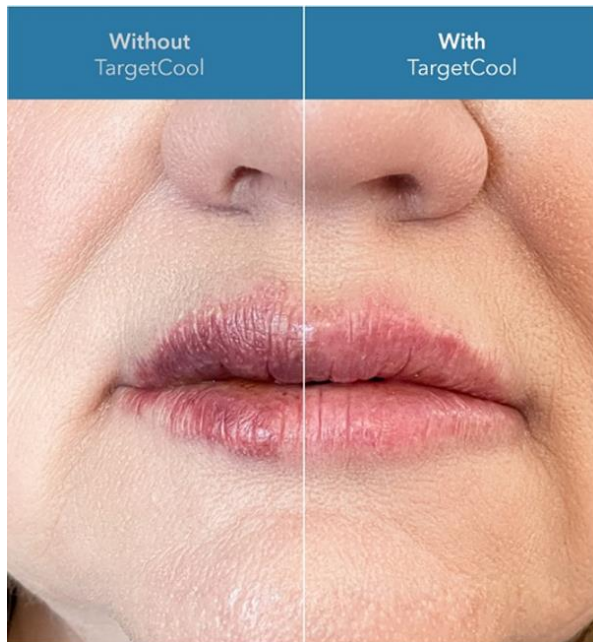


Filler Complication

TargetCool Cooling

Reduced Complication

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After lip filler treatment 24 hours later

TargetCool Cooling

Cooling Anesthesia

TargetCool Cooling is a possible alternative to [topical anesthesia](#). TargetCool Cooling [immediately reduces nerve fiber activity](#), temporarily numbing skin and alleviating pain by slowing pain signal transmission.



TargetCool Cooling

Improving patient comfort leads to better outcomes

TargetCool Cooling's analgesic effects reduce patient pain and enhance patient engagement in their care, resulting in positive outcomes. Conventional Numbing Cream and TargetCool provide the most effective numbing, recommended for clients looking to minimize injection pain.



Baseline

After treatment

TargetCool Freezing

Eliminate abnormal or diseased epidermal tissues safely and effectively with the precision of TargetCool Freezing.

Effective Cryosurgery

User Convenience

Precision Accuracy



TargetCool Freezing

Effective Cryosurgery

TargetCool Freezing uses cryogenic (-79°C) CO₂ to achieve extremely low temperatures, freezing abnormal tissue and repeating the thawing process to treat healthy skin to regrow.



Freezing



Thawing



TargetCool Freezing

Effective Cryosurgery

TargetCool Freezing uses cryogenic (-79°C) CO₂ to achieve extremely low temperatures, freezing abnormal tissue and repeating the thawing process to treat healthy skin to regrow.



Thick lesion, 3 seconds/cm², 2pass, 2 sessions
Long type Nozzle

TargetCool Freezing

Effective Cryosurgery

TargetCool Freezing uses cryogenic (-79°C) CO₂ to achieve extremely low temperatures, freezing abnormal tissue and repeating the thawing process to treat healthy skin to regrow.



Thin lesion, 3 seconds/cm², 2pass, 2 sessions, monthly
Short type Nozzle

TargetCool Freezing

User Convenience

As a [portable device](#), it does not require a storage place. And does not require the handling of dangerous cryogenic gases and liquids. The advantage of TargetCool in terms of cost is that it allows for the use of cryosurgery functionality without the need for a separate purchase, all within a [single device](#).



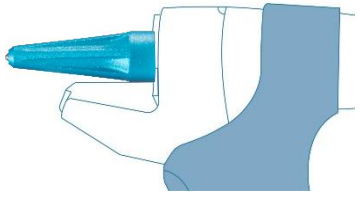
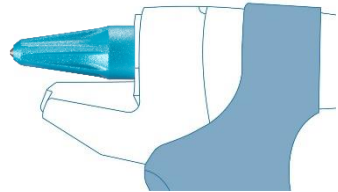
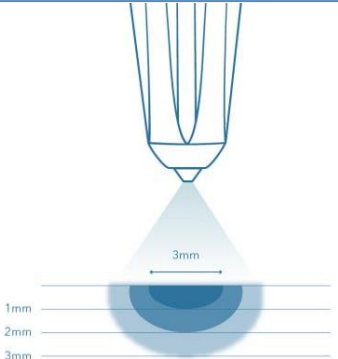
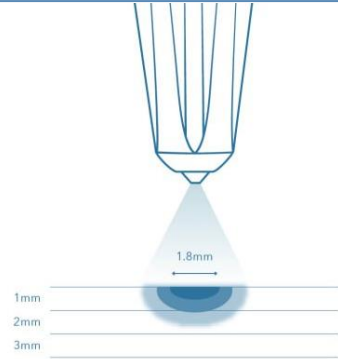
VS



TargetCool Freezing

Precision Accuracy

TargetCool's freezing nozzle enables targeted and precise treatment without damaging surrounding tissue.

Category	Long Type	Short Type
Image		
Size(mm)	48.40 x Φ 16.76	38.4 x Φ 16.75
Weight	17.0g	9g
Hole diameter	0.15	0.08
Spray Pressure	High	Low
Spray Range/5sec	Approx. 3 mm	Approx. 1.8 mm
Spray Depth(mm)/5sec	Approx. 3~3.5 mm	Approx. 2 mm
Treatment	Suitable for large and deep lesions	Suitable for small and superficial lesions
		

A New Standard of Care

TargetCool provides an unprecedented degree of control over the temperature, time, and duration of cooling and allows a new standard in dermatological and aesthetic procedures with improved efficacy and safety.





Pain Management

Patients experiencing pain during or after procedures rely on providers to ensure their safety, comfort, and health outcomes. Many medical procedures involve a degree of pain or discomfort. Taking as much care as possible to reduce patient discomfort

during procedures is always important. TargetCool reduces pain and elevates patient comfort during procedures like neurotoxins, dermal/lip fillers, intravenous injections, MTS, and Laser procedures.

Aesthetics

Controlled cooling is an effective treatment for dermatological conditions and aesthetic treatments. TargetCool helps to reduce inflammation, swelling, and bruising after the procedures and helps improve inflammatory acne, rosacea, flushing relief of inflammation and itchiness caused by skin

inflammatory diseases, and is suitable for non-surgical facial rejuvenation. TargetCool can remove dermatological lesions such as viral warts, seborrheic keratosis, premalignant lesions including actinic keratosis, and small benign growths and skin cancers.





A World of Possibilities

By offering comfortable injections and optimal results, TargetCool keeps your patients coming back for the elevated treatments you provide.

TargetCool can be used during an array of procedures, including:

Injectables

- Dermal fillers
- PRP therapy
- Neurotoxins
- PDO threads
- Skin boosters
- Mesotherapy

Microneedle Therapy System (MTS)

- RF Microneedling
- Microneedle Derma Roller/Pen
- Microneedling with PRP

Laser procedures

- Pigmentation removal
- Tattoo removal
- Fractional Laser

The Comfort is for Everyone

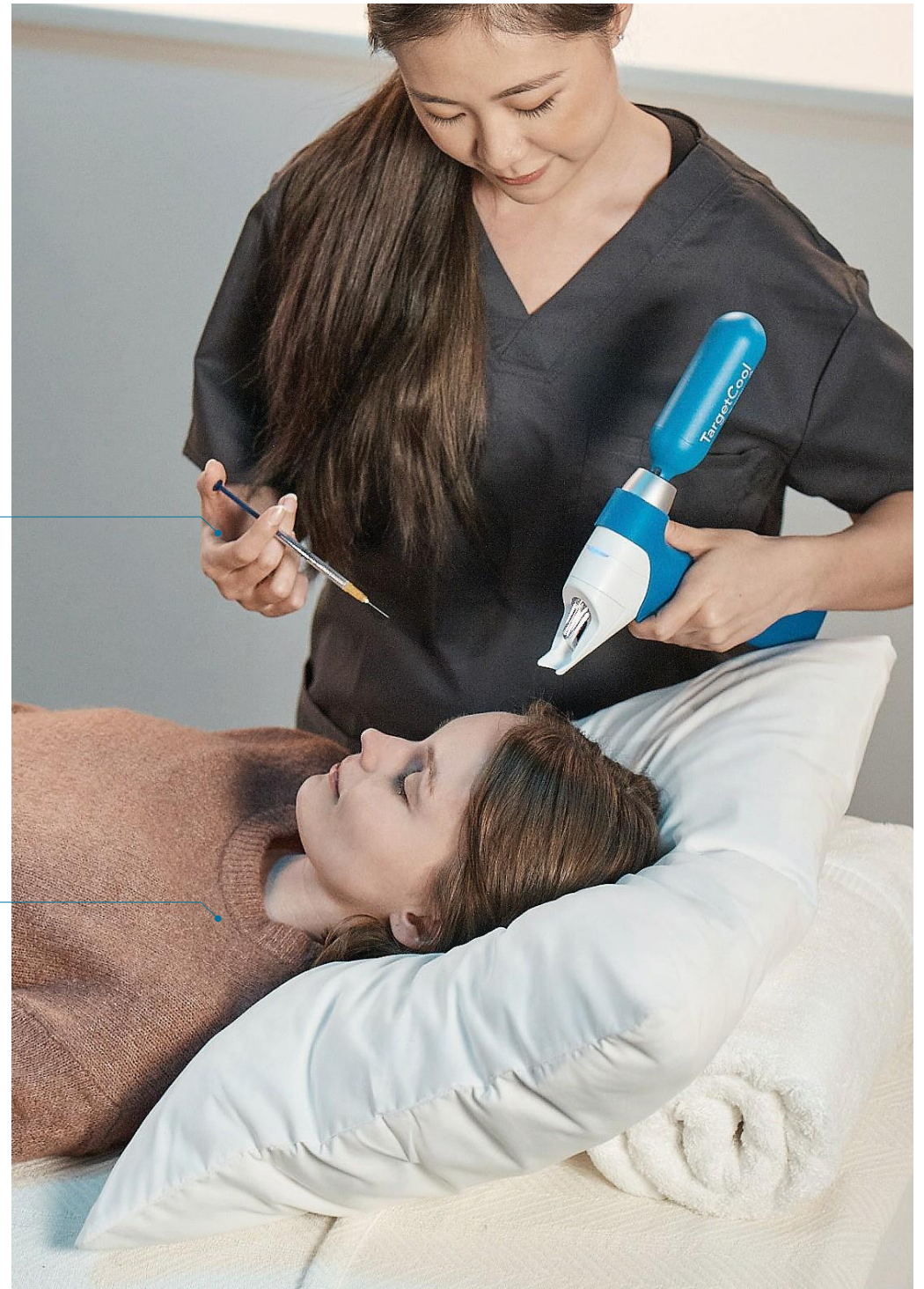
Enjoy peace of mind knowing that your procedures will be easier and more comfortable than ever with TargetCool's best-in-class cooling technology.

Provider benefits

- Precise targeting and control
- Improved procedure workflow and results
- Increased patient comfort and patient retention

Patient benefits

- No wait time for topical numbing creams take effect
- Reduced pain and discomfort during the procedures
- Improved results and faster recoveries



TargetCool System



No.	Category	Composition	Unit
1	Consumable Kit	CO ₂ Cartridge (1eaX10)	1 box
		Filter (1eaX10)	
		Cooling Guard (1ea)	
2	Device set	TargetCool Device	1ea
		Cooling Nozzle	1ea
		Boosting Nozzle	1ea
		Freezing Nozzle	1ea
3	Boosting Container	1ea * 10	1 box
4	Boosting Guard	1ea * 5	1 box
5	Cooling Guard	1ea * 5	1 box
6	Nozzle	Cooling Nozzle (C10)	1ea
7		Boosting Nozzle (B15)	1ea
8		Freezing Nozzle (F08/F15)	1ea

Operating & Storage Conditions

OperatingCondition	Temperature	15°C~30°C (59°F~86°F)
	Humidity	30%~80%
	Atmospheric Pressure	700~1060 hPa
Storage Condition	Temperature	-40°C~70°C (-40°F~158°F)
	Humidity	10%~90%
	Storage Pressure	500 hPa~1060 hPa

Technical Specification

Energy Type	Carbon Dioxide
Size	149(L)x 248(H)x 39(W)mm
Weight	457g/ 1lb
Rating	Charger: Input: AC 100-240V-50/60Hz 600mA Output: DC 5V-3A, 9V-3A, 12V-2.5A, 15V-2A, 20V-1.5A
Mode Selection	PL, Continuous, Manual
Target Temperature Accuracy	±1.5°C

FAQ

What are the advantages of CO₂ gas in use?

Using CO₂(controlled by -10 to 5 °C), it is possible to safely achieve the desired effect without the risk of frostbite and without spewing out cryogenic gases. In addition, CO₂ can help treat atopic dermatitis and acne by promoting antioxidant action by inducing the Bohr effect and adjusting the physiological skin pH by lowering the body pH. On the other hand, liquid nitrogen evaporates over time, and the temperature is too low (liquid nitrogen -195 °C, nitrous oxide -89 °C), which causes pain during treatment.

What is the available time per cartridge?

It can be used within 1 minute 30 seconds in freezing mode and 3 to 4 minutes in cooling mode. Up to 30-40 injections are possible when using PL mode per cartridge, and up to 70-80 injections are possible when using Continuous mode. However, it may vary depending on the operating environment.

Is it possible to use gas cartridges from another company?

Since the filter is provided only when purchasing cartridges sold by CoolHealth, cartridges, and gas from other companies are incompatible, The filter is a patented technology that provides clean CO₂ gas through a 0.1µm filter and prevents gas leakage.

How to dispose of cartridges when they are used up?

The cartridge is made of recyclable aluminum, so you can dispose of it when done using it.

How to charge the battery of the device?

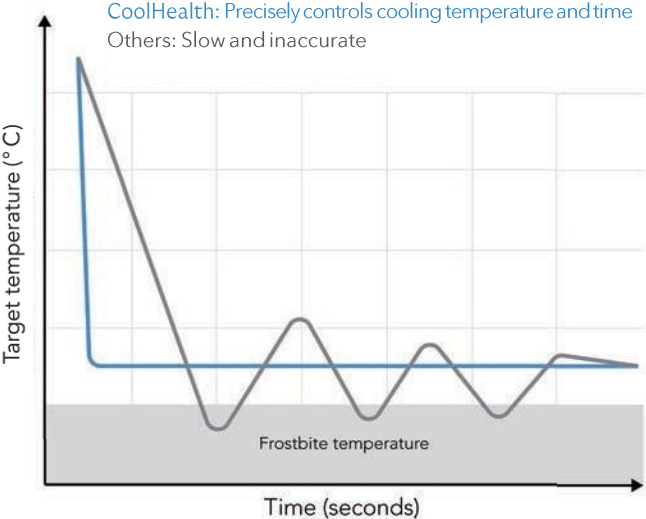
Chargers are not provided separately. However, it can be charged with any USB-C type charger.

How long is the device warranty?

Generally, the warranty period is one year. It may vary depending on the terms of the contract in each region. (In the case of the rental model, the whole contract period is under warranty)



CoolHealth



Redefining Comfort. Redefining Control. Redefining Cool.

CoolHealth is bringing a paradigm-shifting level of precision to cooling. Our mission is to improve the experiences of both providers and patients by offering revolutionary, best-in-class cooling technologies.



To find out more,
scan the QR code to visit our website, CoolHealth.com.

TargetCool

by CoolHealth

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