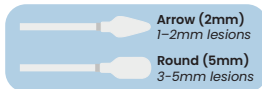


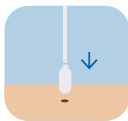


## Treatment Procedure

1. Select either an arrow or round CryoBud®, ensuring the foam tip is at least 1mm larger than the lesion to be treated.



2. Insert CryoBud® into trigger nozzle with a twisting motion. Once CryoBud® is secure, hold canister upright and remove safety cap.
3. Hold canister away from patient and gently press dispensing valve for approximately 3-6 seconds until the first droplet emerges from the foam tip, then release finger from valve.
4. Turn canister so that the CryoBud® is in a vertical position (90° angle). Wait 15 seconds for the foam tip to crystallize and reach optimal freezing temperature of -55°C.
5. Continue to hold the canister in the same position and with light pressure, place the frozen tip of the CryoBud® on the treatment area for the recommended freezing time (see chart).



**Do not press dispensing valve while the CryoBud® is in contact with patient's skin.**

6. Remove CryoBud® from lesion to reveal ice ball. Allow approximately 40 seconds for the thawing process to be completed before touching the lesion.

**TIP:** If an ice ball does not appear, either the treatment time was not long enough or the CryoBud® was not fully saturated. Repeat treatment as appropriate.

## Recommended Freeze Times

*Reduce freeze time when treating lesions in areas with thin skin.*

### 15 SECONDS

Actinic Keratosis (Facial)  
Lentigo (Facial)

### 20 SECONDS

Molluscum Contagiosum  
Verruca Plana (Flat Warts)

### 40 SECONDS

Acrochordon (Skin Tags)  
Actinic Keratosis (Non-Facial)  
Condyloma Acuminata (Genital Warts)  
Lentigo (Non-Facial)  
Seborrheic Keratosis  
Verruca Plantaris (Plantar Warts)  
Verruca Vulgaris (Common Warts)

Perform 1 to 4 treatments at an interval of 2 weeks until lesion is fully removed.

If ever in doubt, always under-treat versus over-treat. The lesion may be re-evaluated and treated again in 1-2 weeks.

## Treatment Tips

Thick and calloused lesions, such as plantar warts, can be debrided before treatment using a curette, file, or pumice stone. Keratin is highly insulating, so removing the uppermost layer of keratin may increase the efficacy of the freeze and reduce the number of freeze-thaw cycles required.

For plantar warts, measure and record the size of the wart prior to initial treatment to help assess treatment response during subsequent visits.

Once saturated, a 2mm CryoBud® will maintain its temperature for approximately 90 seconds, and a 5mm CryoBud® will maintain its temperature for approximately 120 seconds—sufficient time to perform 1-2 additional treatments on a patient. After the first use, remove CryoBud® from lesion and continue to hold at a 90° angle. Wait 15 seconds for it to return to the necessary temperature before applying to the next lesion.

## Double Freeze-Thaw Method

Large, thick, or deep lesions, such as plantar warts, may require more than one treatment in a single visit. In these instances, the Double-Freeze Thaw Method may be used to increase effectiveness of treatment. After completing the first treatment, assess if a second treatment is necessary. Be sure to allow the lesion to fully thaw before performing the second treatment.

## Post-Treatment Care

- Keep treated area of skin clean.
- Swimming and showering are permitted, however, care should be taken to keep the area as dry as possible.
- Do not scratch or pick at treated area.
- If blisters form, do not pop them. If blisters open, cover with an adhesive bandage.

## Common CPT Codes

<b>Benign Lesions</b>	<b>17000</b> 1 Lesion
Age Spots, Actinic	<b>17003</b> 2 to 14
Keratosis, Seborrheic	<b>17004</b> 15 or more
Keratosis	
<b>Warts &amp; Molluscum</b>	<b>17110</b> 1 to 14
	<b>17111</b> 15 or more
<b>Skin Tags</b>	<b>11200</b> 1 to 15
	<b>11201</b> Each add'l 10

## Storage and Disposal

### **DANGER: EXTREMELY FLAMMABLE AEROSOL**

Store canister at room temperature and away from direct heat sources. Do not expose to temperatures over 120°F. Do not pierce or burn canister, even when empty.

If empty, dispose of the canister as normal waste. If not empty, contact your local waste management facility for disposal information.

**Contents:** Dimethyl Ether, Propane, Isobutane

## Important Notes

- Verruca-Freeze® H should be used only on benign, superficial skin lesions.
- Do not treat lesions if cancer is suspected. If uncertain about a lesion's benignity, perform a biopsy first.
- If lesions persist after treatment, reinspect them to confirm they are not cancerous.
- Safety standards for use in pregnant or pediatric patients have not been established.
- Verruca-Freeze® H is intended for use only by medically trained healthcare professionals. Sale or other distribution of Verruca-Freeze® H to patients is prohibited.
- The aerosol canister is intended for use only with Verruca-Freeze® H applicator buds.

## System Operation

Verruca-Freeze® H treats epidermal lesions by freezing, resulting in separation of epidermis and basal membrane. This is the same principle all cryogenic methods are based on.

Cryogen is sprayed into the Verruca-Freeze® H applicator, which acts as a reservoir, allowing for controlled and consistent application of the cryogen onto the lesion. The cryogen evaporates immediately, allowing the applicator to reach its optimal temperature of approximately -55°C.

After treatment, the frozen epidermis peels away (typically within 2 to 3 days) and is replaced by new epidermis. Blistering of treated area may occur. 1 to 4 treatments at 2-week intervals may be necessary.

## Indications for Use

Verruca-Freeze® H is indicated for use in the treatment of the following skin lesions:

- Actinic Keratosis
- Genital Warts
- Lentigo
- Molluscum Contagiosum
- Seborrheic Keratosis
- Skin Tags
- Verruca Plantaris
- Verruca Vulgaris
- Verruca Plana

## Contraindications & Warnings

- Read all instructions and practice technique prior to use on patient.
- Inspect all product components prior to use. Do not use if any part is damaged.
- Nozzle assembly should be intact and spray tested before use on patient. Testing can be achieved by lightly pressing the dispensing valve to ensure proper flow of cryogen.
- Avoid spraying on or near eyes, ears, or other sensitive body areas. Shield the eyes when treating the head or neck
- Use only in well-ventilated areas.
- CryoBud® applicators are for single use only and should be disposed of after use.
- Do not refreeze CryoBud® applicators, as this will reduce their effectiveness.
- **Absolute Contraindication:** Do not use on patients with cryoglobulinemia.

## Precautions

- Depigmentation of dark skin may occur. It is less noticeable in light-colored skin but may be more visible after exposure to the sun.
- Do not use if uncertain of diagnosis (possibility of skin cancer).
- Hyperpigmentation is rare; however, facial areas should be treated with caution.
- Although necrosis has not been observed with Verruca-Freeze® H, freezing terminal arteries (in fingers and toes) to excessive depth could lead to necrosis. Treat only one side of fingers or toes at a time to avoid freezing arteries or veins.
- Do not use on irritated or infected skin, or on bleeding, open, or breached lesions, as this may cause severe tissue damage.

## Potential Complications

As with any procedure, complications can occur. Potential complications may include:

**Acute:** headache, pain, and blister formation

**Delayed:** hemorrhage, infection, and excessive granulation tissue formation

**Prolonged-temporary:** milia, nerve damage, and hyperpigmentation

**Permanent:** alopecia, atrophy, scarring, hypopigmentation, and ectropion formation



# VERRUCA-FREEZE® H

Portable Cryosurgical System

INSTRUCTION MANUAL

Save these instructions  
for future reference

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