

Breaking the Ice with Innovations

thinner • variable • reusable

CryoThinTM

Surgical System

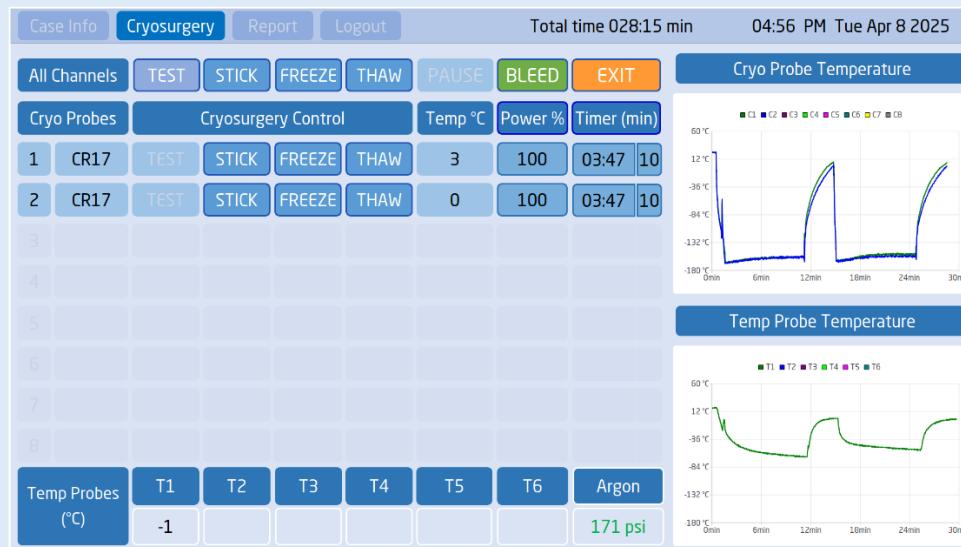


CryoThin™ Surgical System

- Helium free (Argon freeze & thaw)
- Foldable 15.6" touch screen monitor
- +/-180° rotatable and 110° tilttable monitor
- Universal power supply 100-240VAC, 50/60 Hz
- System On button: start the system program
- Pause button: suspend/resume the operation
- Procedure parameters and controls on one screen
- Procedure reports saved and exported in PDF files
- Detachable cart for support and transportation
- Foot pedal for up and down adjustment of console
- Double protection by front cover and dust caps



Cryosurgery monitored and controlled on a single screen



Procedure Report in PDF



Detachable

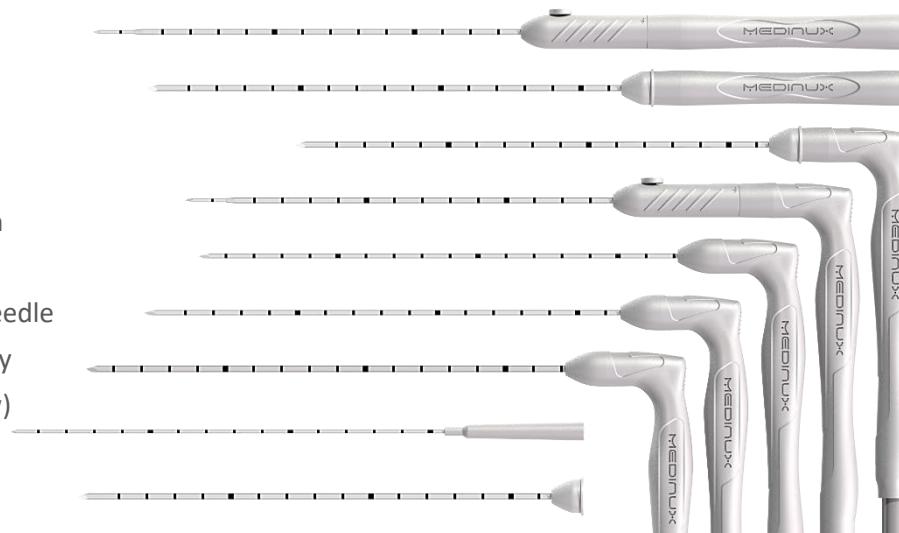


Detachable cart to support and move the Console

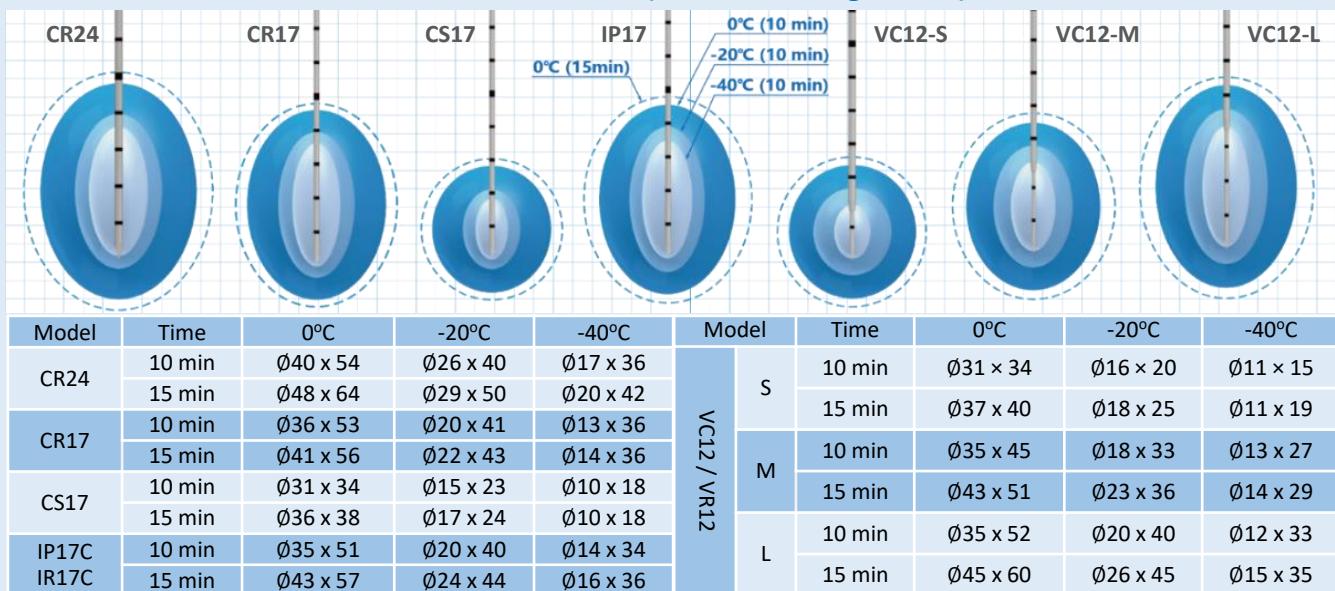


CryoThin™ Probes

- **Ultra-thin** Cryo probe (Φ1.2mm)
- **Ultra-thin** Temp probe (Φ1.2mm)
- **Variable** and detachable probes
- Unique variable iceballs at a touch
- Support coaxial biopsy and injection
- **Reusable** and detachable probes
- Flexible Outer probe as puncture needle
- Procedure cost reduced dramatically
- **Helium free** (argon freeze and thaw)
- Less gas used for big iceballs
- 1 and 5 cm markers along the shaft



Isotherm of Iceballs (diameter x length, mm)



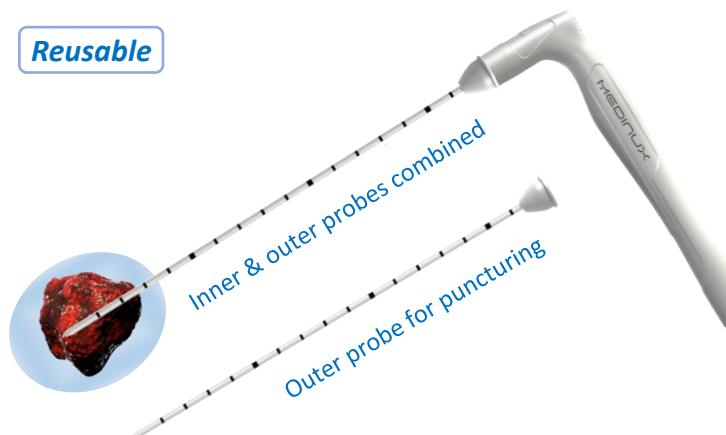
* Isotherms are the results of bench testing in 21°C room temperature gel.

Variable



- Variable iceballs at S, M, L sizes
- Ultra-thin probe: Φ1.2mm (thinnest cryosurgical probe)
- Detachable jacket for
 - 18 g x 20 cm biopsy needle
 - Intratumor injection

Reusable



- Reusable Inner probes
 - Use up to 10 times
 - Sterile cover compatible
- Disposable Outer probes (sleeve)
 - Detachable
 - Puncture needle

Product List

Model	Name	Description
CT-40	4-channel system console	System console with 4 Cryo and 4 Temp ports
CT-80	8-channel system console	System console with 8 Cryo and 6 Temp ports
CART	Cart	Four-wheel cart for system console
ARC	Argon connector with hose	3,000~6,000 psi input, 7.6 m-long hose
VC12	1.2 mm Variable Cryo probe	Straight, sterile, disposable
VR12	1.2 mm Right-angle variable Cryo probe	Right-angle, sterile, disposable
CR17	1.7 mm Right-angle Cryo probe	Right-angle, sterile, disposable
CS17	1.7 mm Right-angle Cryo probe (Short)	Right-angle, sterile, disposable
CR24	2.4 mm Right-angle Cryo probe	Right-angle, sterile, disposable
IP17	1.7 mm Inner Cryo probe	Reusable with SL21C outer probe
IR17	1.7 mm Right-angle Inner Cryo probe	Reusable with SL21C outer probe
SL21C	2.1 mm Outer Cryo probe (Sleeve)	Straight, sterile, disposable
TC12	1.2 mm Temp probe	Straight, sterile, disposable

Indications For Use

The CryoThin Surgical System is intended for cryosurgery in the fields of general surgery, urology, gynecology, oncology, neurology, dermatology, ENT, proctology, pulmonary surgery and thoracic surgery. The system is designed to freeze/ablate tissue by the application of extreme cold temperatures including prostate and kidney tissue, liver metastases, tumors, skin lesions, and warts. The system has the following specific indications:

General Surgery

- Destruction of warts or lesions
- Palliation of tumors of the oral cavity, rectum and skin
- Ablation of breast fibroadenomas
- Ablation of leukoplakia of the mouth, angiomas, sebaceous hyperplasia, basal cell tumors of the eyelid or canthus area, ulcerated basal cell tumors, dermatofibromas, small hemangiomas, mucocele cysts, multiple warts, plantar warts, hemorrhoids, anal fissures, perianal condylomata, pilonidal cysts, actinic and seborrheic keratoses, cavernous hemangiomas, recurrent cancerous lesions

Urology

- Ablation of prostate tissue in cases of prostate cancer and benign prostatic hyperplasia

Gynecology

- Ablation of malignant neoplasia or benign dysplasia of the female genitalia

Oncology

- Ablation of cancerous or malignant tissue
- Ablation of benign tumors
- Palliative intervention

Neurology

- Freezing of nerve tissue in pain management/ cryoanalgesia

Dermatology

- Ablation or freezing of skin cancers and other cutaneous disorders

Proctology

- Ablation of benign or malignant growths of the anus or rectum
- Ablation of hemorrhoids

Thoracic Surgery

- Ablation of cancerous lesions

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