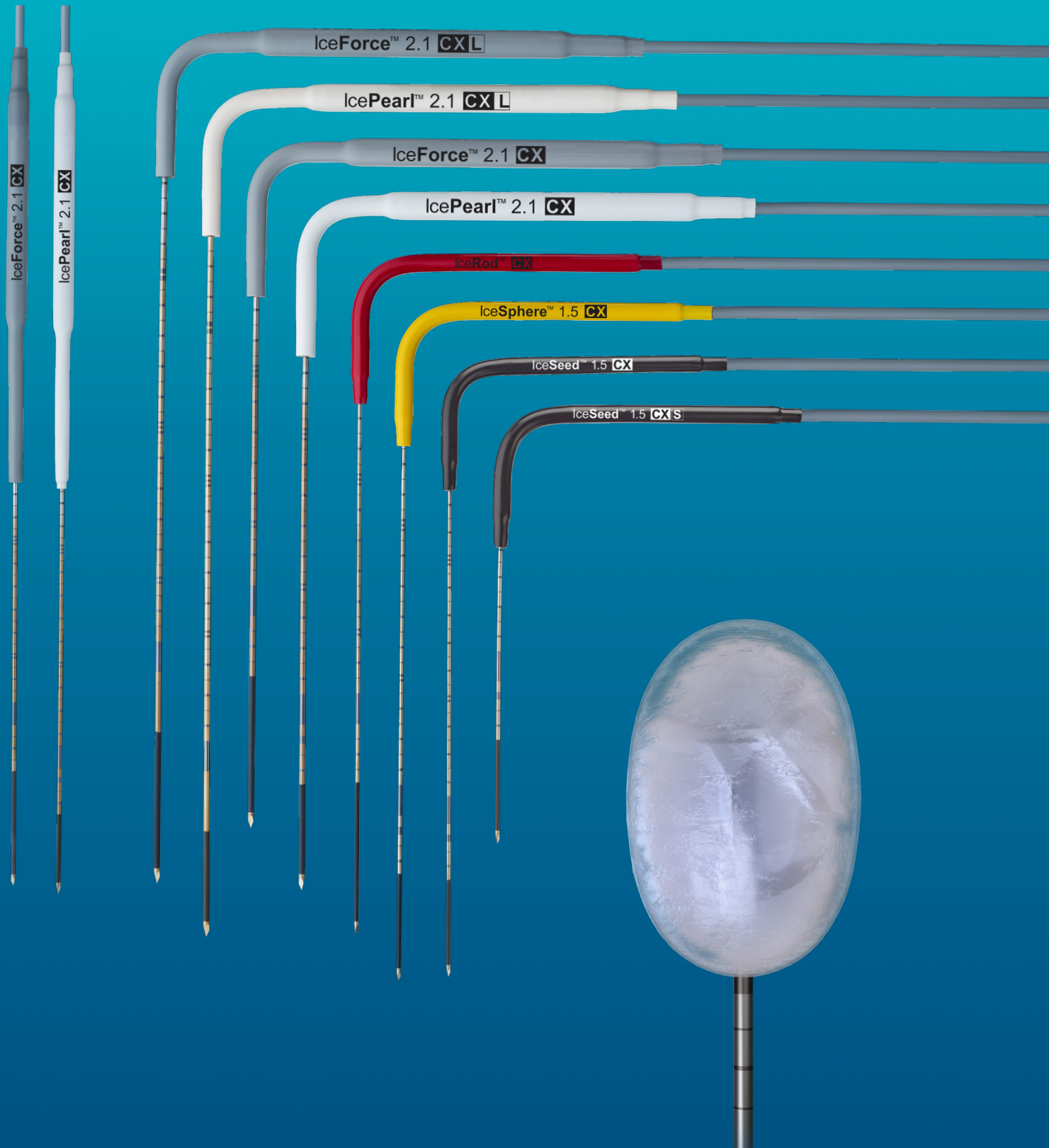




CX CRYOABLATION NEEDLES

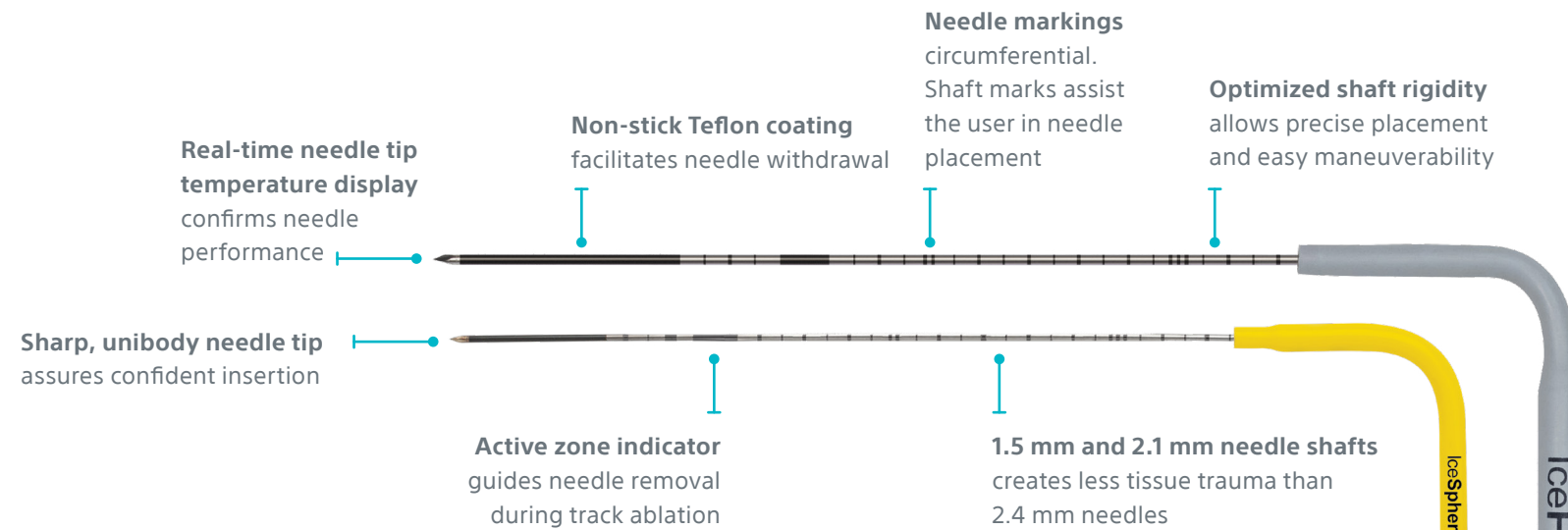
Engineered For Optimal Clinical Performance



CX CRYOABLATION NEEDLES

FEATURES A PROPRIETARY NEEDLE DESIGN PROVIDING PRECISE PLACEMENT AND CONTROL

- Narrow, lightweight, and low-profile design with 1.5 mm and 2.1 mm needles allows for placement of multiple needles in confined spaces
- Cryoablation visualization allows for optimal tumor coverage and improved CT artifact
- Sharp needle tip with a rigid, yet maneuverable needle shaft
- Built-in memory chip allows needles to be reconnected without the need to retest



HELIUM-FREE THAW OPTIONS VIA PROPRIETARY I-THAW™ FEATURE

- Eliminates set-up time, space, and overall gas costs while conserving an expensive, diminishing helium resource
- Exclusive FastThaw™ functionality reduces thaw time by up to 18% versus helium¹
- 2.1 CX needles consume 17%–29% less argon consumption than other 2.4 mm needles¹

Low-profile insulated handle allows close placement of multiple needles

Small and flexible tubing minimizes needle migration and torque

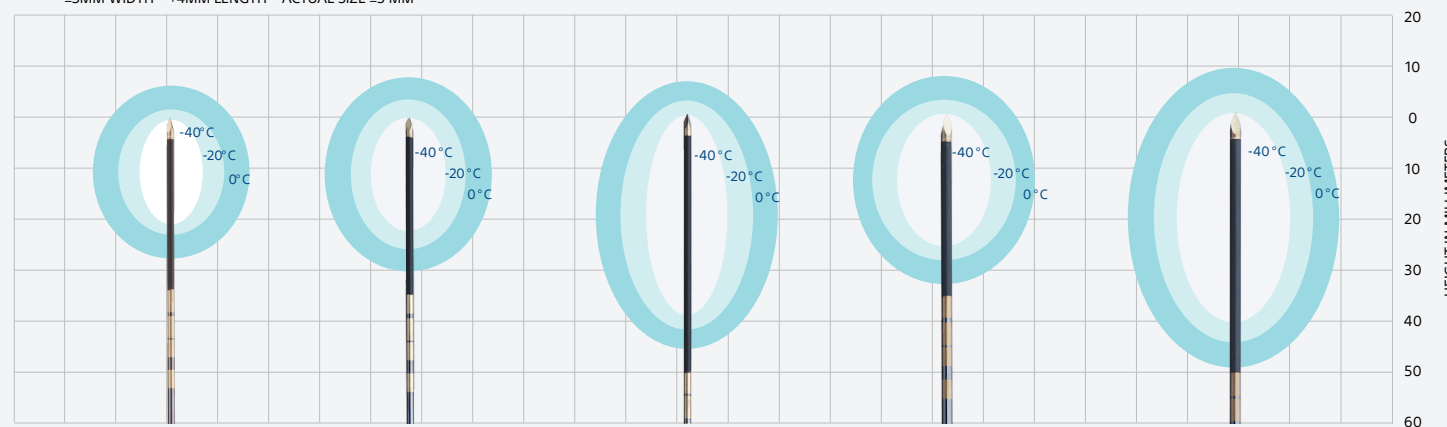
Electrical connection delivers helium-free active thawing; automates needle identification with the cryoablation system

CAUTERY FOR TRACK ABLATION

- Cautery function allows for track ablation to be performed, creating a uniform zone of coagulative necrosis

SUPERIOR FREEZING PERFORMANCE (+) HELIUM-FREE THAWING

±3MM WIDTH +4MM LENGTH ACTUAL SIZE ±5 MM



IceSeed™ 1.5 CX	IceSphere™ 1.5 CX	IceRod™ 1.5 CX	IcePearl™ 2.1 CX	IceForce™ 2.1 CX
Needle length: 17.5 cm, 10 cm	Needle length: 17.5 cm	Needle length: 17.5 cm	Needle lengths: 17.5 cm, 23 cm	Needle lengths: 17.5 cm, 23 cm
0 °C 29 mm x 34 mm	0 °C 31 mm x 36 mm	0 °C 36 mm x 53 mm	0 °C 36 mm x 41 mm	0 °C 42 mm x 57 mm
-20 °C 20 mm x 26 mm	-20 °C 22 mm x 28 mm	-20 °C 26 mm x 45 mm	-20 °C 27 mm x 32 mm	-20 °C 32 mm x 49 mm
-40 °C 13 mm x 20 mm	-40 °C 13 mm x 23 mm	-40 °C 16 mm x 39 mm	-40 °C 18 mm x 26 mm	-40 °C 23 mm x 42 mm

Data collected using 37° Celsius gel approximates conformance in soft tissue. Isotherm measurements represent iceball size after a 10-minute freeze and 5-minute passive thaw, followed by a final 10-minute freeze using a 100% argon flow rate.

ORDERING INFORMATION

Cryoablation Systems

PART NUMBER	CRYOABLATION SYSTEMS AND ACCESSORIES
FPRCH6000-02	Visual ICE™ System
FPRCH8000-02	ICEfx™ System, Console only
FPRCH8010	ICEfx Cart

CX Cryoablation Needles

CRYOABLATION NEEDLES	PART NUMBER	CONFIGURATION	SHAFT DIAMETER (MM / GAUGE)	SHAFT LENGTH (CM)	HANDLE COLOR	TRACK ABLATION RADIAL WIDTH / LENGTH
IcePearl™ 2.1 CX	FPRPR3603	Straight	2.1 mm / 14 G	17.5 cm	White	2.1 / 13 mm
IcePearl™ 2.1 CX	FPRPR3601	Angled 90°	2.1 mm / 14 G	17.5 cm	White	2.1 / 13 mm
IcePearl™ 2.1 CX L	FPRPR3617	Angled 90°	2.1 mm / 14 G	23 cm	White	2.1 / 13 mm
IceForce™ 2.1 CX	FPRPR3604	Straight	2.1 mm / 14 G	17.5 cm	Gray	2.5 / 29 mm
IceForce™ 2.1 CX	FPRPR3602	Angled 90°	2.1 mm / 14 G	17.5 cm	Gray	2.5 / 29 mm
IceForce™ 2.1 CX L	FPRPR3618	Angled 90°	2.1 mm / 14 G	23 cm	Gray	2.5 / 29 mm
IceRod™ 1.5 CX	H7493968535330	Straight	1.5 mm / 17 G	17.5 cm	Red	1.7 / 14 mm
IceRod™ 1.5 CX	FPRPR3533	Angled 90°	1.5 mm / 17 G	17.5 cm	Red	2.3 / 30 mm
IceSphere™ 1.5 CX	H7493968435730	Straight	1.5 mm / 17 G	17.5 cm	Yellow	1.6 / 14 mm
IceSphere™ 1.5 CX	FPRPR3573	Angled 90°	1.5 mm / 17 G	17.5 cm	Yellow	1.7 / 14 mm
IceSeed™ 1.5 CX	H7493968333170	Straight	1.5 mm / 17 G	17.5 cm	Black	1.6 / 14 mm
IceSeed™ 1.5 CX	H7493967433170	Angled 90°	1.5 mm / 17 G	17.5 cm	Black	1.6 / 14 mm
IceSeed™ 1.5 CX S	H7493967233100	Angled 90°	1.5 mm / 17 G	10 cm	Black	1.6 / 14 mm

REFERENCE

1. BTG: Internal Test Reports. Data on file.

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PI-886609-AE



Cryoablation Needles Indications, Safety, and Warnings

<https://www.bostonscientific.com/cryoneedles-indications>