

Designed for speed.
Built for precision.

Epredia NX Series Cryostats
For research and clinical laboratories

epredia



Ready. Steady.

When it comes to urgent biopsies, getting accurate results to the operating room as quickly as possible is essential in maintaining excellent patient care. Epredia NX Series cryostats are designed to get the job done.

Epredia™ HM525 NX cryostat

Deliver high-quality results comfortably and efficiently with the HM525 NX cryostat, a high-performance routine cryostat with intuitive software and touchscreen for simple, efficient operation. The HM525 NX cryostat offers reliability, advanced ergonomics and an intuitive interface.

Epredia™ CryoStar™ NX50 cryostat

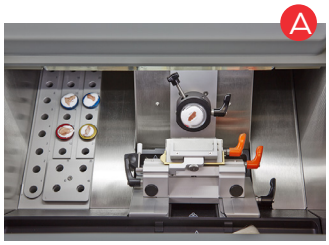
Get optimal sectioning quality paired with ergonomics and safety with the Cryostar NX50 cryostat. The NX50 cryostat is designed to accommodate the needs of your routine clinical laboratory. This manual cryostat offers a form-fitting design with optional height adjustment, cold disinfection, and Vacutome, allowing users to customize their sectioning experience.

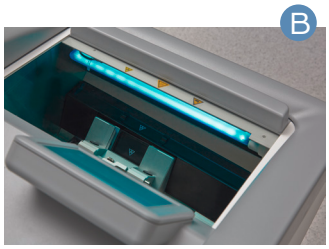
Epredia CryoStar NX70 cryostat

Designed to fulfill the needs of both research and clinical laboratories, the CryoStar NX70 cryostat introduces a form-fitting design, integrated height control and motorized sectioning. Freeze and section tissue samples more efficiently with improved stability and individually controlled temperature settings on both the object specimen holder and blade carrier.

HM525 NX Cryostat







- A — Efficient high-throughput cryochamber with 27 cooled specimen freeze stations
- B — Optional UV disinfection light for enhanced germicidal activity
- C — Spacious flat storage area
- D — Light-touch handwheel requires minimal force to operate, limiting repetitive motion discomfort
- E — Ergonomic armrests



NX70 cryostats feature motorized sectioning for ease of use and to reduce the need for repetitive motions



Motorized height adjustment for seated or standing operation (standard for NX70, optional for NX50 models)



Optional cold disinfection system for NX50 and NX70 cryostats

CryoStar NX50 and
CryoStar NX70 Cryostats



1. Large, open chamber with bright adjustable LED illumination, 18 tissue stations and one fast-freeze peltier for quick, efficient sample preparation

2. Optional Cold D system provides a supplementary cleaning process that significantly reduces the risk of microbial infection in under 60 minutes while the cryostat is still cold

3. Light-touch handwheel requires minimal force to operate, limiting repetitive motion discomfort. Motorized cutting helps reduce user fatigue and avoid repetitive motion injury

4. Body-contoured design positions the user closer to the chamber to maintain comfortable posture

5. Integrated height adjustment (32-44 in / 82-112 cm), work comfortably in either a standing or sitting work position with a touch of a button (standard on NX70 models, optional for NX50 cryostats)

6. Integrated touch screen controls and intuitive software offer ease of use. NX70 cryostats also feature integrated joystick controls

Cryostat selection guide

With three cryostat options for your lab, rest-assured that you can find the perfect fit.

	HM525 NX Cryostat	Cryostar NX50 Cryostat	CryoStar NX70 Cryostat
Cold disinfection		Optional	Optional
UV disinfection	Optional		
Encapsulated microtome		✓	✓
Chamber temperature < -25 °C	✓	✓	✓
Fast-freeze temperature	-55 °C	-57 °C	-60 °C
Fast-freeze cooling mechanism	Peltier	Peltier	Peltier
Automatic and immediate defrost	✓	✓	✓
Active blade cooling		✓	✓
Adjustable blade temperature			✓
Specimen head temperature control		✓	✓
Vacutome		Optional	Optional
Specimen trimming	✓	✓	✓
Specimen retraction	20 µm	20 µm	20 µm
Section thickness range	1 - 500 µm	0.5 - 500 µm	0.5 - 500 µm
Motorized coarse advance	✓	✓	✓
Motorized cutting			✓
Cryobar cooling / (fast-freeze) stations	27(4)	18(1)	18(1)
Touch screen	✓	✓	✓
Height-adjustable chamber		Optional	✓



The complete cryotomy solution from Epredia

Epredia offers a complete line of accessories and consumables to enhance the use of your Epredia cryostat.

Epredia offers blades that are crafted using a proprietary steel hardening technology that delivers increased longevity. Dedicated low- and high-profile blade holders and separate knife carrier improve stability.

Our staining kits and mountants are created specifically for use with frozen tissue sections, allowing your laboratory to quickly produce high-quality slides from tissue samples that are ready for analysis.

HM525 NX Cryostat Specifications

Weight	315 lbs. (143 kg)
Dimensions (D x W x H)	25.19 x 29.9 x 45.3 in (64 x 76 x 115 cm)
Certification	CSA, CE IVD Mark

Ordering Information

	Order Number
Unit only	
HM525 NX, 115 V	956640
HM525 NX, 220-230 V	956650
Unit with UV Disinfection	
HM525 NX with UV disinfection, 115 V	956641
HM525 NX with UV disinfection, 220-230 V	956651

CryoStar NX50 Cryostat Specifications

Weight	440 lbs. (200 kg)
Dimensions (D x W x H)	39.4 x 29.7 x 32.3-44.0 in (100 x 75.5 x 82-112 cm)
Certification	CSA, CE IVD Mark

Ordering Information

		Order Number
Unit only. Configuration codes: H - Height Adjustment, **O** - Object Cooling, **M** - Motorized, **P** - Peltier, **D** - Cold Disinfection, **V** - Vacutome		
NX50,100-120 V (unit only)	OP	957250
NX50, 230 V (unit only)	OP	957220
NX50,100-120 V (unit only)	OPD	957100
NX50, 230 V (unit only)	OPD	957140
NX50,100-120 V (unit only)	OPV	957270
NX50, 230 V (unit only)	OPV	957200
NX50,100-120 V (unit only)	OPH	957260
NX50, 230 V (unit only)	OPH	957210
NX50,100-120 V (unit only)	OPHD	957110
NX50, 230 V (unit only)	OPHD	957150
NX50,100-120 V (unit only)	OPVD	957120
NX50, 230 V (unit only)	OPVD	957160
NX50,100-120 V (unit only)	OPHV	957230
NX50, 230 V (unit only)	OPHV	957170
NX50,100-120 V (unit only)	OPHVD	957130
NX50, 230 V (unit only)	OPHVD	957240

CryoStar NX70 Cryostat Specifications

Weight	440 lbs. (200 kg)
Dimensions (D x W x H)	39.4 x 29.7 x 32.3-44.0 in (100 x 75.5 x 82-112 cm)
Certification	CSA, CE IVD Mark

Ordering Information

		Order Number
Unit only. Configuration codes: H - Height Adjustment, **O** - Object Cooling, **M** - Motorized, **P** - Peltier, **D** - Cold Disinfection, **V** - Vacutome		
NX70,110 V (unit only)	HOMP	957000
NX70, 220-240 V (unit only)	HOMP	957040
NX70,110 V (unit only)	HOMPD	957010
NX70, 220-240 V (unit only)	HOMPD	957050
NX70,110 V (unit only)	HOMPV	957020
NX70, 220-240 V (unit only)	HOMPV	957060
NX70,110 V (unit only)	HOMPDV	957030
NX70, 220-240 V (unit only)	HOMPDV	957070

Please note that instrument order numbers are for the unit only. To purchase a blade holder (low- or high-profile, or steel knife), please order from the accessory table below.

Accessories

Description	Order Number
CryoStar NX50 and NX70 Blade and Knife Holders	
Low-profile blade holder	705840
High-profile blade holder	705940
Standard knife carrier	705950
HM525 NX Blade and Knife Holders	
EC70 blade holder	705630
EC blade holder	705470
Blades	
MX35 Ultra, 50pcs/pk	3053835
HP35 Ultra, 50pcs/pk	3153735

Find out more at **epredia.com**

epredia Enhancing precision cancer diagnostics

© 2020 Epredia. All rights reserved. All trademarks are the property of Epredia unless otherwise specified. **M45043 R0920**

POWERED BY SHANDON MICRON MENZEL-GLÄSER Richard-Allan Scientific