

thermo scientific

Designed for precision.  
Built for speed.

Thermo Scientific  
CryoStar NX70 Cryostat

**ThermoFisher**  
SCIENTIFIC



# Ready. Steady.

Thermo Scientific™ Cryostar™ NX70 cryostats are designed for fast, precise, repeatable set-ups that enable laboratories to produce high-quality sections quickly.

## The speed patients need

- Quick-freeze capabilities allow users to achieve the ideal temperature for each sample type rapidly
- Large, open chamber with bright LED illumination offers an optimized workspace for operators with 18 tissue stations and one fast-freeze peltier for quick, efficient sample preparation
- Integrated joystick control and color LCD touch screen allow for quick, precise adjustments, easy operation for end user and training for additional users
- Optional vacutome feature aids in generating wrinkle-free sections and can also be used to remove waste from chamber
- Easy-to-use blade handling through use of magnetic blade transfer tool supporting safe removal of the blade from the holder, reducing risk of injury

## The precision Pathologists demand

- Rapid response temperature control provides active cooling of the specimen head, blade, and cryobar while maintaining consistent specimen temperature
- Independent blade holder and object cooling keeps cutting area at set temperatures, even during periods of high use
- Novel knife carrier feed enhances sectioning stability and quality
- Dedicated low- and high-profile blade holders and separate knife carrier improve stability



Joystick controls and LCD touch screen for intuitive, easy setup and operation



Work chamber is designed for efficient set-up. Removable tray components, an encapsulated microtome, and built-in vacuome aid in quick clean-ups



Ergonomic design with motorized height adjustment for seated or standing operation



Optional cold disinfection system



## Safe, comfortable and in control

- 1 Spacious work chamber with user-adjustable LED lighting.
- 2 Optional cold disinfection system provides a more complete surface disinfection 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

## 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 Mark

## Ordering information

Description	Order Number	
<b>CryoStar NX70</b>	<b>110 V 60 Hz</b>	<b>230 V 50 Hz</b>
With low-profile blade holder	957000L	957040L
With high-profile blade holder	957000H	957040H
With steel blade carrier	957000K	957040K
<b>CryoStar NX70 with cold disinfection</b>	<b>110 V 60 Hz</b>	<b>230 V 50 Hz</b>
With low-profile blade holder	957010L	957050L
With high-profile blade holder	957010H	957050H
With steel knife carrier	957010K	957050K
<b>CryoStar NX70 with vacutome</b>	<b>110 V 60 Hz</b>	<b>230 V 50 Hz</b>
With low-profile blade holder	957020L	957060L
With high-profile blade holder	957020H	957060H
With steel knife carrier	957020K	957060K
<b>CryoStar NX70 with cold disinfection and vacutome</b>	<b>110 V 60 Hz</b>	<b>230 V 50 Hz</b>
With low-profile blade holder	957030L	957070L
With high-profile blade holder	957030H	957070H
With steel knife carrier	957030K	957070K

## Accessories

Description	Order Number
<b>Specimen chucks and molds</b>	
20 mm specimen chuck	715530
30 mm specimen chuck, red	715870
30 mm specimen chuck, green	715880
30 mm specimen chuck, blue	715890
30 mm specimen chuck, gold	715900
40 mm specimen chuck, aluminum	715610
60 mm specimen chuck	715620
Cryo-mold, 10 mm	570400
Cryo-mold, 15 mm	570380
Cryo-mold, 22 mm	570390

## Accessories

Description	Order Number
<b>Brushes and cleaning</b>	
Brush shelf	410540
Brush for cleaning vacuum hose	202180
Brush, coarse for cleaning	334180
Magnetic brush, small beveled	334171
Magnetic brush, goat hair	334172
Waste tray	512990
<b>Vacutome accessories</b>	
Hose extension with nozzle, vacutome	570480
Nozzle, sectioning	336080
Nozzle, Trim	336090
<b>Blade holders and accessories</b>	
Blade handling tool	419500
Low-profile blade holder	705840
High-profile blade holder	705940
Steel knife carrier 16 cm C knife	705950
Anti-roll plate 69.5 mm	449980
Allen key, 5 mm	362260
Allen key, 6 mm	362120
<b>Disinfection</b>	
HaloMist, 1 gal	S010NOG1
HaloMist, 32 oz	S010NOQ1
Measuring cup	334220
Plastic funnel	334240
<b>Other</b>	
US power cord	313950
UK power cord	313940
EU power cord	313960
Foot pedal and interlock	640380
<b>Operator guides</b>	
Operator guide, English	387928
Operator guide, German	388125
Operator guide, Italian	388126
Operator guide, French	388127
Operator guide, Spanish	388128
Operator guide, Japanese	388129
Operator guide, Chinese	388130

## Recommended disposable blades

Thermo Scientific MX35 Ultra blades provide consistent performance and durability under demanding research and clinical conditions.



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Find out more at [thermofisher.com/cryostar](https://thermofisher.com/cryostar)

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