



## Cryostar NX50 Cryostat

Get optimal sectioning quality paired with enhanced ergonomics and safety with the Cryostar NX50. The NX50 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.

### Precise Sectioning

- Active cooling of the specimen head, blade holder, and cryobar maintains consistent specimen temperature
- Reach the ideal temperature for each sample type in just minutes with rapid temperature control
- Precise stepping-motor blade advance for minimal vibration when sectioning
- Microtome design creates a stable sectioning platform for increased precision
- Precise sectioning delivers consistent sections of uniform thickness
- Optional Vacutome feature aids in generating wrinkle-free sections and can also be used to remove waste from the chamber

### Ergonomics and Comfort

- Body-contoured design positions the user closer to the chamber, maintaining comfortable posture
- Large, open work chamber with adjustable LED lighting for enhanced visibility
- Light-touch handwheel requires minimal force to operate
- Optional height adjustment can position the chamber height from 32 to 44 in. (82-112 cm), supporting both standing and seated operation, with the touch of a button
- Touch screen operation with intuitive software to accommodate multiple users

### Operator Safety

- Optional cold disinfection system provides supplemental surface disinfection in under 60 minutes while the cryostat is still cold
- Manual handwheel lock secures the position of the specimen head
- Magnetic blade-transfer tool supports safe removal of the blade from the holder

### Physical Specifications

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)  
(adjustable)

39.4 x 29.7 x 36.6 in.  
(100 x 75.5 x 93 cm)  
(fixed height model)

Weight: 440 lbs / 200 kg

Power requirements:  
100 V, 50/60 Hz, 10A  
110-120 V, 60 Hz, 10A  
220-240 V, 50/60 Hz, 5A

### Includes

Five specimen stages (4 x 30 mm, 1 x 40 mm), anti-roll plate, section waste tray, brush shelf, debris brush, sectioning brush, blade handling tool, and operator guide

Description	Configuration	Order Number
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

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

#### Configuration Descriptions

O - Object Cooling

P - Peltier

H - Height Adjustment

V - Vacutome

D - Cold Disinfection

#### **Features:**

- Section thickness from 0.5  $\mu\text{m}$  to 500  $\mu\text{m}$
- Vertical stroke length of 64 mm
- 48 mm horizontal feed range

Epredia extended service packages offer prompt technical support and national coverage for service or repair, ensuring your instrument will be back up and running as quickly as possible.

#### **You'll need:**

 blades & blade holders

 specimen stages

 staining kits

 embedding media