



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.

Exceptional Sectioning

- Reliable stepping motor technology delivers reproducible section thickness
- Adjustable chamber temperature control accommodates a wide range of specimens
- Automatic specimen retraction on return stroke protects specimen and reduces carryover artifacts
- Cryochamber features 27 cooled specimen positions, including four fast-freeze stations to keep up with heavy workloads

Operator Safety

- Mechanical handwheel lock immobilizes the specimen head
- Optional, on-demand UV disinfection protects against surface contamination and occupational exposure to biological pathogens
- Stainless steel chamber and smooth surfaces allows efficient cleaning of the chamber

User-Friendly and Ergonomic

- Icon-driven interface supports intuitive operation of the cryostat
- Allows rapid selection and adjustment of functions for efficient operation
- Specimen fast-freeze function and chamber brightness can be accessed from the menu
- Light-touch handwheel requires minimal force to operate, increasing comfort
- Additional knee space to support comfortable seated operation
- Body-contoured arm rests improve posture and comfort during periods of prolonged use
- Large, flat top to keep accessories and consumables readily available

Physical Specifications

Dimensions (D x W x H):
29.9 x 25.2 x 47.2 in.
(75.9 x 64 x 119.8 cm) (w/o handwheel)

Weight: 315 lbs / 143 kg

Power requirements:
100 V, 50 Hz, 12A
100 V, 60 Hz, 12A
115 V, 60 Hz, 12A
220/230 V, 50 Hz, 6A
220 V, 60 Hz, 6A
240 V, 50 Hz, 6A

Includes

Six specimen stages (30 mm), freezing medium (118 mL), cryostat oil (118 mL), section waste tray, debris brush, sectioning brush, tools and operator guide.

| Description | Order Number |
|--|--------------|
| HM525 NX (unit only) | |
| HM 525 NX, 115 V (unit only) | 956640 |
| HM 525 NX, 220-230 V (unit only) | 956650 |
| HM525 NX with UV disinfection (unit only) | |
| HM525 NX with UV disinfection, 115 V (unit only) | 956641 |
| HM525 NX with UV disinfection, 220-230 V (unit only) | 956651 |

Features:

- Chamber cooling to -35 °C
- Integrated peltier fast-freezing device rapidly cools to -60 °C
- Section thickness from 1 µm to 500 µm
- Vertical stroke length of 60 mm
- 28 mm horizontal feed range
- 40 µm specimen retraction on return stroke
- X/Y specimen orientation with 360° Z-axis rotation

You'll need:
 blades & blade holders

 specimen stages

 staining kits

 embedding media