Disposable blade carrier EV
For use with vacutome option. For high and low profile blades. Equipped with vacuum anti-roll hood to stretch sections and dispose of waste. Recommended blades:

The Thermo Scientific MB22 Premier disposable blade is ideal for cryostat sections. The MB22 has a steeper angle of 22° that allows thinner and more accurate sections. Item number 3050822 50/pack.

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Thermo Scientific HM550 Cryostat
Three Minutes To Control Infection Hazards

Laboratory enhancements with cold disinfection

1) Workflow – Protect users by disinfecting throughout the day, not just when time allows.
2) Throughput – Less down time to disinfect, more sectioning time available.
3) Cost Containment – Less down time means less labor time while reducing capital costs, maintenance and depreciation.

Thermo Scientific HM550 Cryostat Specifications

<table>
<thead>
<tr>
<th>Dimension (W, D, H)</th>
<th>25.2 (w/o handwheel) x 30 x 47.2 in (640 (w/o handwheel) x 760 x 1200 mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>275 – 341 lbs. (125 – 155 kg) depending on model</td>
</tr>
<tr>
<td>Power supply</td>
<td>100 – 240V 50/60 Hz (120V/50Hz)</td>
</tr>
<tr>
<td>Graduations</td>
<td>5, 10, 20, 50, 100, 500 μm</td>
</tr>
<tr>
<td>Blade holder type</td>
<td>Large, small, and removable clamps</td>
</tr>
</tbody>
</table>

Thermo Scientific In Vivo

Three minute cold disinfection

Benefits of Cold Disinfection

- Fast, safe and complete disinfection
- No manual disinfection, disinfects quickly when needed.
- Certified safe, EPA approved and takes only three minutes.

Shortcomings of Current Disinfection Methods

- UV Disinfection – Only surface treatment, manual disinfection still required.
- Standard Fumigation – Uses hazardous chemicals and takes at least 3 hours.

Available Options

- Three variable cold disinfection
- Vacuum
- Sectioning head can be removed/disposed
- Speed, length and cooling
- CO2, N2, SF6
- Trimless sectioning head to save patient in batch

Thermo Scientific Mirom HM550 Cryostat Specifications

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Disposable blade holder Types

- Disposable blade carrier EV
  - For high and low-profile blades with angle adjustment. Includes anti-roll plate.

Recommended Blades

- The Thermo Scientific MB22 Premier disposable blade is ideal for cryostat sections. The MB22 has a steeper angle of 22° that allows thinner and more accurate sections. Item number 3050822 50/pack.
**Thermo Scientific HM550 Cryostat**

Unmatched user safety, optimal morphology and efficient workflow

**Unmatched Safety**
- New fast, safe and complete disinfection in three minutes.
- Automatic Cryo Approach brings the specimen to the knife edge with the touch of a button.
- Optional autotome captures debris and eliminates airborne pathogens.

**Optimal Morphology**
- Patented autotome system integrated into the blade holder provides wrinkle free sections and disposal of waste (optional).
- Advanced stepper motor and cross roller bearings provide consistent section thickness that does not lose calibration over time.
- 12 fast-freezing stations: 8 stations maintain -40˚C and 4 snap-freeze stations reach -60˚C.

**Efficient Workflow**
- The HM550 is the only cryostat that can be completely disinfected between samples without impeding workflow or staff safety.
- Automatic Cryo Approach System easily saves time.
- Cool air temperature is maintained around the specimen, blade holder and fast freezing rails. This ensures consistent temperature even with the chamber door open during prolonged sectioning.

**Best in Class Ergonomics**
- Comfortable operation while sitting or standing.
- Efficient chamber configuration with large storage spaces.
- Intuitive keypad and display. Controls are outside the cryochamber.

The new cold disinfection system reduces health risks without compromising workflow.

Cold disinfection is revolutionizing cryostat safety and workflow. This patented* system is fast, safe and complete, ensuring that staff safety is never compromised while sectioning.

**New cold disinfection on the Thermo Scientific Microm HM550**
- **Fast** – The entire process is only three minutes and can be used throughout the day between suspect samples.
- **Safe** – H2O2 based disinfectant is EPA approved and safe for staff.
- **Complete** – Well documented disinfection of the entire cryochamber. Eliminates a wide range of infectious agents including TB and HIV (latest list of pathogens available upon request). A full cryostat break down for manual disinfection is not required.

To learn more, see our video at www.thermo.com/colddisinfection.

*Patent Application Pending*