

# Bright

## 8250 & 9400

### *Electro-Linear Sledge Microtome Whole Body Cryostats*

from **Hacker**

The most usual application for the 8250 & 9400 is whole-body autoradiography (WBA), which is used to trace radio-labeled drugs or other compounds in the frozen bodies of test animals. The cryostat enables researchers to accurately cut thin sections through the whole length of the specimen at different levels. The sections are collected on wide adhesive tape, then transferred to X-ray film. After a suitable exposure period, the film is developed and compared with the original section so revealing the site of deposition of the test compound.



8250 Cryostat



9400 Cryostat

## 8250 Cryostat Features

- High precision research instrument for specimens up to 250mm long
- Fitted with Hacker-Bright 8000 retracting Sledge Microtome
- Full Range of Microtome controls
- Heated window for clear viewing
- Microtome chamber made of polished stainless steel
- Ridged polyurethane foam insulation allows low temperatures to be maintained
- Hermetically sealed dual refrigeration system giving fast cool down times and maintaining low temperatures, even at ambient
- Cabinet constructed of Stelvetite, a steel sheet material with permanently bonded PVC surface to resist scratches, solvents and acids



The design of the 8000 Microtome knife support pillars is such that they may be reversed to provide greater clearance for larger blocks. In their normal position, blocks up to 110mm wide may be accommodated, but when reversed, the block width may be increased to 170mm. Substantial knife clamps provide considerable knife rigidity with the dual facility of both angle tilt and slew, and spacers are available to raise the height of the knife.

The 9000 Microtome has been specially designed to meet the exacting criteria of whole body sectioning. Constructed of stainless steel and other non-corroding alloys, the powerful motor drive provides a smooth and positive cutting action.

## 9400 Cryostat Features

- Very large area sections up to 400mm long
- Hacker-Bright 9000 microtome installed for extreme rigidity and cutting power
- Electro-linear motor drive
- Knife retraction (optional)
- Comprehensive control with several options
- Hermetically sealed dual refrigeration system
- Defrost delay for section drying
- Quick-Release specimen holder
- Twin turret knife holder
- Photo electronic device for knife guarding (optional)
- Cabinet constructed of Stelvetite
- Electro-mechanical interlocked system fitted
- Debris collector and vacuum extractor (optional)

Both 8250 and 9400 model Cryostats, and most ancillaries, are manufactured to order. This permits some customizing, and customers are invited to discuss their specific need/application. Prices are for estimations only and subject to change without notice. Please request quotation tailored to your specific requirements.

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| <p>Cat. No.<br/>11 30 10</p> | <p>Cryostat 8250 with series 8000 retracting microtome with advance 1/40µm, single knife holder and guards, object stage 250 x 110 mm, electrically heated window, manual defrost. Gross weight: 926 lb (420 kg); Cabinet Dimensions: 66" (L) x 22" (W) x 23" (H) (1675 x 556 x 580 mm)</p>   |
| <p>Cat. No.<br/>11 30 15</p> | <p>Cryostat 9400 with series 9000 retracting microtome with advance 1/99µm, twin-turret knife holder with guards, object stage 400 x 250 mm, double glazed window, automatic defrost with quartz clock, temperature alarm, knee switch, tongs, dehydration set and vacuum debris collector. Gross weight: 1325 lb (600kg); Cabinet Dimensions: 108.5" (L) x 33.5" (W) x 38" (H) (2750 x 850 x 965 mm)</p> |