

Introduction

Not since cryostats were invented has there been such a small, portable yet convenient instrument. Featuring many design concepts developed from our continuous research programme, the Starlet cryostat is available in a choice of either handwheel or lever operation. The size of the Starlet makes it ideal as a back-up instrument or for use in laboratories where space is at a premium. Fully portable, it can be transported with ease from laboratory to laboratory and is a must for use in the 'field' - the possibilities are endless. If frozen sectioning is infrequent and a full-sized, full-priced cryostat cannot be justified, the Starlet does the job and fits any budget. Inexpensive and reliable, the Starlet - ideal where space and funds are limited - really is unique amongst cryostats.

Features and Benefits

- An ABS Polymer and rustproof steel cabinet coated with scratch, solvent and detergent resistant PVC to provide strength and durability
- A polished stainless steel chamber with detachable quick freezer bar and detachable storage shelf
- Thermostatically controlled chamber temperature in the range ambient to -30°C with digital display
- A choice of handwheel or lever operated microtome
- It uses disposable blades and incorporates the Easi-Set anti-roll plate
- The Starlet cuts excellent sections just like a full sized cryostat
- Small, inexpensive and portable
- Incorporates the Magnaplate anti-roll plate system
- Complete with all standard accessories to start sectioning right away



The Compact Cryostat

Of an elegant appearance, durable and easy to clean, the Starlet cabinet is manufactured using scratch, solvent and detergent resistant ABS Polymer and Stelvetite Polymer coated steel. The chamber is of stainless steel construction and comes complete with a detachable quick freezer bar and detachable storage shelf. Easy to clean and resistant to common decontaminating agents, the working chamber is convenient to use. Being relatively small the Starlet ensures rapid cool-down times, to -30°C in the chamber and to -40°C for the detachable quick freezer bar. While not in use, an insulated cover is pressed in place to ensure efficient running of the refrigeration system and also assists in reducing frosting. If the unit is transported, the chamber will remain cold for prolonged periods.

The Miniature Radial Microtome

Unique to and designed specifically for the Starlet, the microtome is of radial, flat cutting design and can be operated by either a handwheel or a lever. Weighing approximately 1.8kg, the microtome is capable of cutting a wide range of specimens including soft tissue, hair follicle, cardiac muscle and lung. The Magnacut disposable blade system is fitted as standard, using long-life disposable blades for quick results, and of course, it eliminates the inconvenience of knife re-sharpening. Complete with an Easi-Set anti-roll plate, the Starlet is fitted with a 2-12µm feed screw for sectioning in 2µm increments, although a 4-24µm feed screw is available as an alternative. Taking only seconds to remove from the chamber, the microtome is easy to clean, resists corrosion and is easy to service - very little routine maintenance is required.

Environmentally Friendly

All refrigerant gases and the insulation foam used in the Starlet contain no CFC's or HCFC's. The Starlet is, therefore, 100% ozone friendly.

Specifications

Compressor type	• 1 x 3.86cc displacement
Refrigerant	• ozone friendly HFC refrigerants
Cooling power	• 125watt at -30°C
Lowest set temperature	• Ambient to -30°C with automatic programmable defrost with manual override and digital display. Detachable quick freezer bar to -40°C with digital display
Cabinet	• ABS Polymer and Stelvetite Polymer coated steel - scratch, solvent and detergent resistant
Microtome	• Cutting Stroke: 30mm • Maximum specimen size: 22mm diameter • Total feed range: 10mm • Knife holder: Magnacut blade holder with long-life disposable blades and integral anti-roll system • Object holders: 22mm • Specimen orientation: Adjustable tilt angle 0-12° • Section thickness range: 2-12µm in 2µm increments 4-24µm optional
Dimensions	• H315 x D740 x W465mm(min)/W546mm(max) • Net weight: 40kg • Gross weight: 48kg • Shipping volume: 0.20m3 • Packing dimensions: H400 x D920 x W550mm
Weights vary according to specification of instrument	

Further information is available on request. Do you have a specific need? If so, consult us. Our equipment and production facilities are flexible and are not limited to those described in this brochure.

The Bright Instrument Company has a policy of constantly seeking improvements to its products and therefore reserves the right to change specifications without notice and to incorporate such changes as convenient during manufacture.

Ordering Information

Order Code	Description
2212-021	Starlet 2212 Cryostat (handwheel) for 220/240V, 50/60Hz
2212-001	Starlet 2212 Cryostat (lever) for 220/240V, 50/60Hz
2212-022	Starlet 2212 Cryostat (handwheel) for 110/115V, 50/60Hz
2212-002	Starlet 2212 Cryostat (lever) for 110/115V, 50/60Hz
Optional Feature	
/U	Ultra violet light decontamination unit

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2/36 Hensbrook Loop, Forrestdale WA 6112
P. 08 9497 4819
E. sales@hurstscientific.com.au
www.hurstscientific.com.au

Bright Instrument Co Ltd.
St Margaret's Way, Huntingdon, Cambridgeshire PE29 6EU England
Tel: +44 (0) 1480 454528/451980/451499
Fax: +44 (0) 1480 456031
Email: sales@brightinstruments.com
Web Site: www.brightinstruments.com



At the Cutting Edge of Sectioning Technology

Bright
2212 Starlet Bench-Top/Portable Cryostat

