

# CRYOSTAT

## DESCRIPTION

Cryostat is a rapid section instrument to pathological and healthy human, animal and plant tissues. It facilitates a fast, safety and reproducible production of tissue sections to low temperatures. This instrument has an anti-roll guide system which allows to do serial sections. Its extensive cryochamber enables a comfortable handling of samples. It is widely used for pathological diagnosis, as well as analysis and research in hospitals, medical colleges, legal medical experts, and research institutes.



## TECHNICAL PARAMETERS

MODEL	ECO-1900
Section thickness range	1 - 100 $\mu\text{m}$
Slice thickness adjustment	1 - 20 $\mu\text{m}$ (in 1 $\mu\text{m}$ increments) 20 - 40 $\mu\text{m}$ (in 2 $\mu\text{m}$ increments) 40 - 100 $\mu\text{m}$ (in 5 $\mu\text{m}$ increments)
Trimming thickness range	10 - 400 $\mu\text{m}$
Trimming thickness adjustment	10 - 50 $\mu\text{m}$ (in 5 $\mu\text{m}$ increments) 50 - 100 $\mu\text{m}$ (in 10 $\mu\text{m}$ increments) 100 - 400 $\mu\text{m}$ (in 50 $\mu\text{m}$ increments)
Specimen retraction	0 - 95 $\mu\text{m}$ (in 5 $\mu\text{m}$ increments)
Vertical specimen stroke	60 mm
Horizontal specimen stroke	20 mm
Cryochamber	Temperature range: -10°C to -35°C Dimensions: 465 x 260 x 300 mm
Quick-freeze shelf	Peltier element: 1 Number of freezing stations: 10 Temperature: $\leq$ -40°C



Ecoshel reserves all the rights to changes in product design, if there are any design change, we will not inform in advance.



Refrigerant	R404a, 300 ± 10 g
Noise	52 dB
Overall dimensions	660 x 640 x 1150 mm
Net weight	135 kg
Power	600 W
Power Supply	AC 110V ± 22V, 60Hz ± 1Hz

## ***STANDARD ACCESSORIES***

1. Brush
2. Specimen discs
3. Handheld vacuum with attachments
4. Blade holder

## ***KEY FEATURES***

1. Ergonomic cryochamber with excellent illumination to an efficient handling of samples.
2. Store tools, glass slides and staining containers in the top of the cryostat to have these items immediately at hand.
3. Quick-freeze shelf serves to put several specimen discs simultaneously.
4. Liquid condensate is safely collected in an easily accessible waste container.
5. LCD screen displays number of sections, section and trimming thickness, specimen retraction value, temperature setting, defrost, etc.

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