

MODEL NO.: YSI-121Ex**YSI CRYOSTAT MICROTOME
AUTOMATIC**

The Cryostat Microtome is used for cutting thin sections of fresh, frozen tissue. Sections have the higher resolution of cytological details required for pathological diagnosis and laboratory works.

Operation manually or automatically

1. Control System : Touch-tone operation, Parameters are easily displayed (temperature, thickness of slice, thickness of repaired slice, real time, and defrosting time) on the LCD. The machine counts down for 5 mins before the compressor starts to work.
2. Five freezing points : Dual-compressors control system, freezing head, freezing head can be set at different sectioning temperature according to different tissue.
3. Safety: Low temperature also can be done with high quality to avoid low temperature injury.
4. System protection : The fast freezing system can be switched off manually, and will switch off automatically after working for 8 hours.
5. Defrosting system : Automatic and manual defrosting function. The user can set the time interval according to local temperature. The defrosting function can be switched off automatically.
6. Mechanism : Excellent mechanical structure and excellent mechanical performance; section cutting is accurate, flat and stable; there is a fine anti-curling function.
7. The machine has UV-lamp sterilization function: The freezing chamber is provided with a tube for cleaning convenience.

Functional Features:

1. Range of section thickness : 0.5-100µm
2. Horizontal specimen feed: 28mm
3. Vertical specimen stroke : 60mm
4. Trimming thickness range: 1-300µm
5. Freezing chamber temperature : $-30^{\circ}\text{C} \pm 5^{\circ}\text{C}$
6. Freezing specimen table temperature : -45°C
7. Freezing head temperature : $-50^{\circ}\text{C} \pm 5^{\circ}\text{C}$
8. Freezing knife temperature: $-35^{\circ}\text{C} \pm 5^{\circ}\text{C}$



8. Universal knife holder system: Knife holders for standard blades and for disposable blades.
9. Insulation and visible glass : It is convenient for watching the procedure.
10. 10 specimen's storage spaces and real time mode.
11. Motorized head forward and reverse; also there are two speed rears.
12. Two specimen tables can set two different temperatures and set the number of the sections.
13. Counting function : Counting time

Technical Parameters:

1. Working Voltage : 220 V
2. Power Draw : 650VA
3. Dimensions (L*W*H): 760*640*110mm
4. Weight : 120kg