

## **YORLAB® CRYOSTAT MICROTOME** **Model No.: YSL / YSI-121Ex.**

### Specifications:

- The Cryostat Microtome is used for cutting thin sections of fresh, frozen tissue. Sections have higher resolution of cytological details required for pathological diagnosis and laboratory work.
- Operation manually or automatically:
- 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 min. before the compressor starts to work.

### Five freezing points :

- Dual-compressors control system, freezing head, freezing head can be set at different sectioning temperature according to different tissue.

### Safety:

- Low temperature also can be done with high quality to avoid low temperature injury.

### System protection :

- The fast freezing system can be switched off manually, and will switch off automatically after working for 8 hours.

### 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.

### Mechanism :

- Excellent mechanical structure and excellent mechanical performance; section cutting is accurate, flat and stable; there is a fine anti-curling function.
- The machine has UV-lamp sterilization function: The freezing chamber is provided with a tube for cleaning convenience.

### Universal knife holder system:

- Knife holders for standard blades and for disposable blades.

### Insulation and visible glass :

- It is convenient for watching the procedure.
- Specimen's storage spaces and real time mode.
- Motorized head forward and reverse; also there are two speed rears.
- Two specimen tables can set two different temperatures and set the number of the sections.

### Counting function :

- Counting time



### Functional Features:

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

### Technical Parameters:

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