

## ***FREEZING MICROTOME***

### ***CRYOSTAT YD-1900***



The YD-1900 type freezing microtome is a special freezing microtome designed according to the developing of trend of clinical histology and the several decades' experiences of our factory for manufacturing the pathological microtome, and adopted the newest technology in the world.

#### **Product specifications :**

- MPU (Microprocessor) Control the temperature and LCD display automatically, and control the function of the section and trimming semi-automatically.
- Two Compressor for freezing (import from Denmark). Five freezing place : two freezing tray , freezing specimen holder , freezing box , freezing knife.

- Beautiful Streamline design
- Specimen retraction function ,protects specimen from blade injury.
- Adopt advance import actuation system for advance of the specimen holder .
- Defrost Function
- Automatic retraction system for section .
- Automatic retraction system for specimen holder .
- Anti-roll system which made the slice flat .
- slice the specimen flat ,thin ,even and continuously.

### Technical Data:

- 1)Temperature of Freezing Box:  $-5^{\circ}\text{C} \sim -35^{\circ}\text{C}$  (  $\pm 2^{\circ}\text{C}$  )
- 2) Temperature of Freezing Tray:  $-10^{\circ}\text{C} \sim -40^{\circ}\text{C}$
- 3) Temperature of Freezing specimen holder :  $-5^{\circ}\text{C} \sim -40^{\circ}\text{C}$  (  $\pm 2^{\circ}\text{C}$  )
- 4) Temperature of Freezing Knife:  $-5^{\circ}\text{C} \sim -25^{\circ}\text{C}$
- 5) Slice thickness range: 1-60 $\mu\text{m}$
- 6) Aximal slice section: 55mm
- 7) Front to back movement of the sample arm: 25mm
- 8) Top to bottom movement of the sample arm: 60mm
- 9) Temperature of freezing box: 0~35 $^{\circ}\text{C}$

10) Time required for the temperature of the freezing box to reach  $-35^{\circ}\text{C}$ : 30mins

11) Temperature of the freezing head:  $-10^{\circ}\text{C} \sim -45^{\circ}\text{C}$

12) Time required for the temperature to reach  $-30^{\circ}\text{C}$  for the special sharp cryoprobe: 6~30 mins

13) Temperature of freezing rack:  $-30^{\circ}\text{C} \sim -40^{\circ}\text{C}$

14) Dimension: (L x W x H): 800 x 730 x 1200mm

15) Weight: 160kg