



## CRYOSTAT

### Micro Tek BL-3000



#### Specification information:

The Micro Tek BL-3000 Cryostat Microtome is belong to one class medical equipment. It is a device for rapid pathological section analysis of human body, animal and plant tissues. It is widely used in hospitals, medical schools, forensics, animal and plant research units for pathological diagnosis, analysis, and research.

The machine is mainly composed of four parts:

1. The upper part of the machine is a microcomputer control part and panel operation, temperature display, and working status display part.
2. The middle part is a low-temperature freezer, which is the part for quick freezing of biopsy tissue and sectioning operation.
3. The lower part is the refrigeration part of the compressor unit.
4. The middle and rear parts are mechanical transmission and motor drive parts.

**Scope of application:** - Cell pathology section, biological fiber section, etc.

**Technical Specifications:**

- ◊ Chamber temperature: 10°C ~ -50°C
- ◊ Freezing shelf temperature: 0°C ~ -50°C
- ◊ Temperature control range of sample chuck: 10°C ~ -50°C
- ◊ Additional semiconductor refrigeration in the freezer: -60°C
- ◊ Number of freezing station: 36 pcs
- ◊ Pelletier number: 8 pcs
- ◊ Semiconductor fast cooling working time: 15 minutes
- ◊ Maximum specimen size: 55mm×80mm
- ◊ Vertical stroke: 65mm
- ◊ Horizontal stroke: 22mm
- ◊ Electric feed speed: 0.9mm/s, 0.45mm/s
- ◊ Disinfection method: UV
- ◊ Section thickness range: 0.5μm ~ 100μm Adjustable  
0.5μm ~ 5μm Increment 0.5μm  
5μm ~ 20μm Increment 1μm  
20μm ~ 40μm Increment 2μm  
40μm ~ 100μm Increment 5μm
- ◊ Trimming thickness range: 10μm ~ 600μm Adjustable  
10μm ~ 50μm Increment 5μm  
50μm ~ 100μm Increment 10μm  
100μm ~ 600μm Increment 50μm
- ◊ Specimen retraction: 0 ~ 100μm Adjustable, Increment 5μm

- ◊ The 10-inch color LCD touch screen can separately display the total number of slices and the total slice thickness, slice thickness, specimen retraction value, temperature control, date, time, temperature, timing sleep switch, defrost and other functions.
- ◊ Humanized hibernation function: After selecting the hibernation state, the temperature of the freezer compartment can be automatically controlled between -1 and -9°C. After the hibernation is canceled, the sectioning temperature can be reached within 15 minutes.
- ◊ Imported dual compressors refrigerate the freezing box, freezing table, knife holder, sample chuck, and tissue presser at five points respectively.
- ◊ The knife holder is equipped with a blade thruster and a knife guard to cover the full length of the blade, which protects the user safely.
- ◊ Equipped with rubber instrument rack and waste box
- ◊ X-axis 360°, Y-axis 12°universal rotation, snap-on tissue chuck, easier and faster to install the organization
- ◊ Anti-adhesive tissue flattening device, with specimen refrigeration, the temperature can reach -50°, which is convenient for freezing the tissue and saving operation time
- ◊ The temperature sensor self-checking function can automatically detect the working status of the sensor
- ◊ Single-layer heated glass door, effectively preventing water mist condensation
- ◊ Hand wheel positioning 360° locking function at any point
- ◊ The sample chuck travels to the limit position and automatically returns to the starting position function
- ◊ Dimension size(mm): 700×760×1160mm
- ◊ Weight: 135 KGS

