



PATHOLOGICAL ANATOMY

CRYOSTAT MICROTOME



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Cryostat Microtome

Model YR426-1

Overview

The YR426-1-1 Cryostat Microtome 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 Increment0.5μm 5μm~20μm Increment1μm
 - 20μm~40μm Increment2μm 40μm~100μm Increment5μm
 - Trimming thickness range :10μm~600μm Adjustable
 - 10μm~50μm Increment5μm 50μm~100μm Increment10μm
 - 100μm~600μm Increment50μm
- ✓ Specimen retraction: 0~100μm Adjustable, Increment5μm

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. The operation display can be set to switch between Chinese and English operation interface, which is convenient for different users all over the world to operate.

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



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CRYOSTAT MICROTOME



Freezing chamber temperature It can reach -30°C in 30-40 minutes



Large 10-inch color display screen

Simple operation, no need to recite complex code

Support for three built-in languages: Chinese, English and Portuguese



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Cryostat Microtome
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HELPER FOR RAPID PATHOLOGY



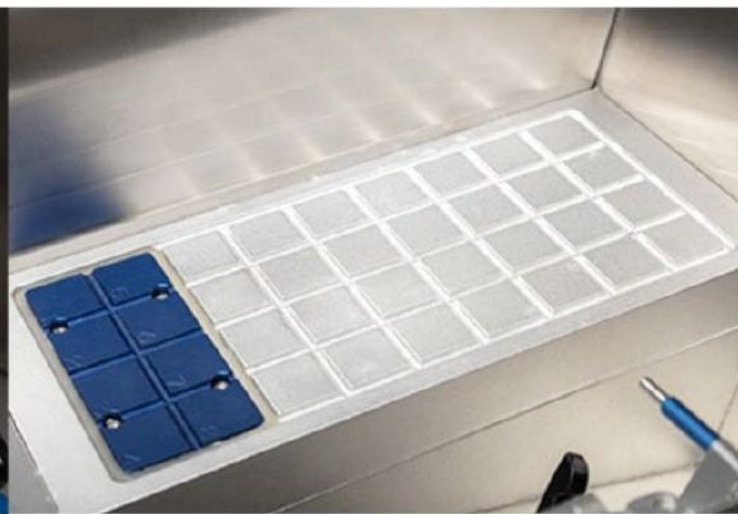
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Section thickness range
0.5µm-100µm adjustable
0.5µm-5µm , in0.5µm increment

Number of freezing station36
Peltier number:8



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