

CM - 3300

Cryostat Microtome



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Analytical Technologies Limited

An ISO 9001 Certified Company

►► Application

The CSFS 3300 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.

- The upper part of the machine is a microtome control part and panel operation, temperature display, and working status display part.
- The middle part is a low-temperature freezer, which is the part for quick freezing of biopsy tissue and sectioning operation.
- The lower part is the refrigeration part of the compressor unit.
- The middle and rear parts are mechanical transmission and motor drive parts.
- Cell pathology section, biological fiber section, etc.

►► Features

- 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

►► Technical Parameters

Model	CSFS - 3300
Chamber Temperature	10°C ~ 50°C
Freezing Shelf Temperature	0°C ~ 50°C
Temperature Control Range of Sample Chuck	10°C ~ 50°C
Aodmonal Semiconductor Refnqeretrn In The Freezer	-60°C
Number of Freezing Station	36pcs
Pelletier Number	8 pcs
Semiconductor Fast Cooling Working Time	15 minutes
Maximum Speamen Stze	55mm*80mm
Vertical Stroke	65mm
Honzontal Stroke	22mm
Electric feed Speed	0.9mm/s, 045mm/s
Drsmtecn Method	UV
Sectron 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
Specrmen Retraction	0 ~ 100μm Adjustable, Increment5μm
External Srze	700*760*1160mm
Package Srze	870*930*1550mm
Net/Gross Weight	135/200kg

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