

Pathology Lab Equipment

Flow Chart



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Consumables



Cryostat Microtome



BK-CM295(BK-2318)

Email: export@biobase.com

Website: www.biobase.cc / www.meihuatrade.com

Features:

- * Low-voltage DC shadowless lamp;
- * Heatable and removable glass door;
- * Auto sleep function results in longer compressor life;
- * Keyboard locking function to avoid accident misoperation;
- * A trim button allows easy switching between trim and section mode;
- * Counting function for the number of sections and the total thickness;
- * Specimen retraction function protects the specimen from blade damage;
- * A large quick-freezing shelf allows for 17 specimens preparation simultaneously;
- * A mechanical hand-wheel lock ensure safe chamber access, 16 position for locking;
- * The desirable section temperature achieves within 20 minutes under fast cooling mode.
- * Temperature sensor self-detection function helps to warn the failure on temperature sensor.
- * The red bar on the blade holder covers the whole length of blade to protect the user and enables easy changing of the blade;
- * Microtome is outside of the refrigeration chamber to avoid the effect of heat-expansion and cold-contraction, thus minimizing the need for maintenance

Technical Parameters:

Model	BK-CM295(BK-2318)
Section Thickness Range	1~100µm increments 1µm increments 2µm increments 5µm
Trimming Thickness Feed	10 ~ 400µm increments 5µm increments 10µm increments 50µm
Chamber Temperature	-10°C ~ -40°C
Specimen Head Temperature	-10°C ~ -40°C
Time to Reach -40°C of the Quick-freeze Shelf	60min
Lowest Possible Temp. of the Peltier Element	-45°C
Lowest Possible Temp. of the Peltier Element together with Quick-freeze Shelf	≤ -60°C
Display	LCD display of sections and the total thickness, section thickness, specimen retraction value, temperature setting, date, time, temperature and on/off timer
Compressor Number	Double
Refrigeration Type	Forced cryogenic refrigeration system Semiconductor refrigeration can be turned on and off
Defrosting Type	Time-setting defrosting and manual defrosting
Refrigerant	R404A
Specimen Orientation	XY – 8°
Specimen Clamp Rotation	At any angle within 360°
Running Time of the Peltier Element	15min
Maximum Specimen Size	35mm*35mm
Specimen Vertical Stroke	60mm
Specimen Horizontal Stroke	20mm
Electric Coarse Feed	Rapid 0.7mm/s; Slow 0.35mm/s
Specimen Retraction Distance	0~100µm, in 5µm increments
Consumption	850W
Power Supply	AC220V±10%, 50Hz; AC110V±10%, 60Hz
External Size(W*D*H)	660*640*1130mm
Package Size(W*D*H)	790*790*1370mm
Gross Weight	170kg



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Manual Rotary Microtome



BK-MT258M (BK-2258)

BIOBASE

Email: export@biobase.com

Website: www.biobase.com / www.biobase.com



Automatic and Semi-automatic Microtome



BK-MT358S (BK-2478) (Semi-automatic)

BIOBASE

Email: export@biobase.com

Website: www.biobase.cc / www.meihuatrade.com



Website

Automated Tissue Processor



Features:

- * Fully intelligent design, ensure timely automatic determination and recovery from an abnormal event.
- * Manual adjustment can be conducted anytime during the programmed automatic operation; afterwards, the system automatically enters the programmed operation.
- * Green inner-cycling air purification system to efficiently absorb and remove poisonous gas.
- * Automated fan and light control.(BK-TS3D)
- * Internal dry heating mechanism with high-precision temperature control.(BK-TS3D)

Technical Parameters:

Model	BK-TS3A	BK-TS3D
Cups Number	12	
Single Cup Capacity	1L	1.8L
Processing Time	Within 0-99 hours for the first cup (BK-TS3D Any length); 0-24 hours for other cup	
Paraffin Cup Temp. Range	RT-99°C	RT-80°C
Temp. Precision	1°C	
Dripping Time	10-60s	
Display	LCD	
Agitation Frequency	2 times/min	0-6 times/min
Environment Temp. Range	0-40°C	
Consumption	500W	
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
External Size(W*D*H)	1010*420*450mm	1135*465*490mm
Package Size(W*D*H)	1180*540*560mm	1300*620*640mm
Gross Weight	90kg	109kg

Paraffin Dispenser



Features:

- * Microcomputer controller
- * Temperature sensors are made in USA, precise and reliable
- * Automatically save the last operation settings
- * Memory and automatic restoration function
- * LED displays

Technical Parameters:

Model	BK-PD10
Capacity	10L
Temp. Range	RT ~ 100°C adjustable
Temp. Precision	±1°C
Consumption	1200W
Power Supply	AC110V/220V±10%, 50/60Hz
External Size(W*D*H)	355*410*540mm
Package Size(W*D*H)	480*450*560mm
Gross Weight	21kg

Tissue Embedding Center & Cooling Plate



BK-TEI

BK-CPI & BK-TEI

Features:

- * Microprocessor Control for temperature, made in the USA.
- * The Embedding Module and Cooling Module can be assembled freely.
- * Flexible heating mechanism, Dual-protection; Safe, Reliable and Energy-Saving.
- * Fully programmable computer controls allow automatic system start and stop anytime within a week.
- * Automatic Memory and Restoration: After start, all preset temperature data are automatically stored;
- * Paraffin Chamber, Paraffin Dispenser, Left and Right Thermal Storage Compartments, and Heating Plate (working area) are individually controlled.

Optional:

BK-CPI Cooling Plate: Working Temp.: -20°C~RT Working Size: 320*300mm

Technical Parameters:

Model	BK-TEI	
Paraffin Chamber Capacity	3L	
Temp. Range	Forceps Wells	
	Paraffin-melting Chamber	
	Thermal Storage Compartments	55~70°C
	Heated Working Areas	
	Paraffin Dispenser	
Temp. Precision	±1%	
Material of Work Table	Granite, easy to clean	
Paraffin Flow Control	Finger touch plate and optional foot pedal	
Consumption	650W	
Power Supply	AC110/220V±10%, 50/60Hz	
External Size(W*D*H)	525*550*385mm	
Package Size(W*D*H)	630*670*520mm	
Gross Weight	41kg	
Optional Accessory	BK-CPI Cooling Plate	
Package Size of BK-CPI (W*D*H)	700*450*530mm	
Gross Weight of BK-CPI	37kg	

Tissue Embedding Center & Cooling Plate

Features:

- * Low-voltage, safe and bright LED lamp
- * Manual and automated operation modes
- * Flexible heating mechanism and PID technology
- * Trimming plates at both sides for convenient tissue block trimming
- * Freezing temperature can be adjusted due to the use of a new-type inverter compressor
- * Adjustable gravity-feed paraffin dispenser using latest heating and DC low-voltage control mechanism
- * Flexible module configuration options through a design separating Cryo Module from Embedding Module
- * Seven working areas are individually controlled and work independently
- * A big magnifying glass can be adjusted at any direction and angle, suitable for embedding extremely small tissue specimens



BK-TE II



BK-CP II & BK-TE II

Optional: BK-CP II Cooling Plate

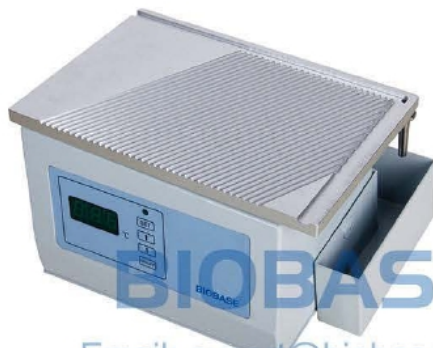
Temp. Range of Cryo Module: 0°C ~ -20°C

Optimal Work Temp.: approximately -10°C, and the temperature is under delay protection

Technical Parameters:

Model	BK-TE II
Paraffin Chamber Capacity	≥6L
Temp. Ranges	RT ~ 85°C
Temp. Precision	1%
Paraffin Flow Control	Finger touch plate and optional foot pedal
Display	LED screen
Size of Paraffin Chamber(W*D*H)	495*132*95mm
Thermal Chamber Size(W*D*H)	240*160*50mm
Embedding Module Working size	540*93mm
Small Cold Plate Size	60*50mm
Consumption	1000W
Power Supply	AC110V/220V±10%, 50/60Hz
External Size(W*D*H)	675*575*395mm
Package Size(W*D*H)	780*700*550mm
Gross Weight	54kg
Optional Accessory	BK-CP II Cooling Plate
Cryo Module Size	315*380mm
Package Size of BK-CP II (W*D*H)	790*480*560mm
Gross Weight of BK-CP II	38.5kg

Paraffin Trimmer



Features:

- * Microcomputer controller
- * Temperature sensors are made in USA, precise and reliable
- * Automatically save the last operational settings
- * Memory and automatic restoration function
- * LED displays

Technical Parameters:

Model	BK-PT230
Working Area	230*160mm
Temp. Range	RT ~ 90°C adjustable
Temp. Precision	±1°C
Consumption	150W
Power Supply	AC110V/220V±10%, 50/60Hz
Standard Accessories	5 Waste paraffin collection boxes
External Size(W*D*H)	255*180*155mm
Package Size(W*D*H)	330*260*230mm
Gross Weight	3kg

Tissue Flotation Water Bath

Features:

- * Automatic memory and restoration functions.
- * Temperature measured by temperature-sensing integrated blocks.
- * Surface material characterized by its strong resistance to abrasion and corrosion.
- * Using a new-type high-thermal-conductivity heating element PID-controlled.(BK-TFII)

Technical Parameters:

Model	BK-TFI	BK-TFII
Temp. Range	RT to 90°C	
Temp. Precision	1°C	
Environmental Temp. Range	0~40°C	
Bath Bowl Size(W*D*H)	240*180*50mm	260*220*65mm
Display	LED	LCD
Consumption	200W	
Power Supply	AC220V±10%, 50/60Hz; AC110V±10%, 60Hz	
External Size(W*D*H)	360*350*120mm	425*350*130mm
Package Size(W*D*H)	410*410*190mm	530*470*235mm
Gross Weight	5.5kg	6.5kg



BK-TFI



BK-TFII

Slides Dryer(Hot Plate)

Features:

- * Automatic memory and restoration functions.
- * Temperature measured by temperature-sensing integrated blocks.
- * Surface material characterized by its strong resistance to abrasion and corrosion.

Technical Parameters:

Model	BK-SDI	BK-SDII
Temp. Range	RT to 90°C	
Temp. Precision	1°C	
Environmental Temp. Range	0~40°C	
Drying Area	340*325mm	340*380mm
Display	LED	LCD
Consumption	200W	350W
Power Supply	AC220V±10%, 50/60Hz; AC110V±10%, 60Hz	
External Size(W*D*H)	360*350*120mm	420*350*130mm
Package Size(W*D*H)	410*410*190mm	
Gross Weight	6.2kg	6.8kg



BK-SDI



BK-SDII

Fully Automated Tissue/Slide Stainer



Website: www.biobase.cc / www.meihuatrade.com

Features:

- * Imported high-quality parts, smooth operation, low noise, ergonomic design.
- * Intelligent automatic water influx/efflux/drainage control system.
- * Green inner-cycling air purification system remove poisonous gas. (BK-TS1)
- * 4 sets editable programs can be queried on line. (BK-TS1)
- * Real-time visual simulation with icons displays working status dynamically, clearly and intuitively. (BK-TS1)
- * Small footprint can be placed near the sectioning area for optimal workflow. (BK-TS3)
- * The APS-coated sturdy housing, resistance to corrosion. (BK-TS3)
- * The slide rack can be optionally stopped either above or submerged in cup based on user's selection after the staining process ends. (BK-TS3)
- * Operation error alarm.

Technical Parameters:

Model	BK-TS1	BK-TS3
Display	LCD touch screen	
Cup Number	18 (Station 1 is for drying Station 10 is for washing)	15 (Station 1 is for drying, station 2 is for washing, other 13 stations for reagents)
Single Cup Capacity	750ml	350ml
Each Cup Processing Time	Adjustable within 1 hour	
Slides Processed Simultaneously	52 slides	24 slides
Dripping Time	Adjustable within 0-30s (shakes above cup)	Adjustable within 0-60s (shakes 0-6times/min adjustable)
Consumption	500W	400W
Power Supply	AC220V±10%, 50/60Hz; 110V±10%, 60Hz	
Packing Size(W*D*H)	1300*540*590mm	1060*370*400mm
Gross Weight	98kg	47kg

Slides Cabinet



Website: www.biobase.cc / www.meihuatrade.com

Technical Parameters:

Model	BKC-S400	BKC-PB450	BKC-SS450
Capacity	72 Drawers (12 layers*6 grid, plus a base) Loading: 760*72=54720 pcs glass slides	18 Drawers (3 layers*6 grid, plus a base) Loading: 12000 pcs glass slides	18 Drawers (3 layers*6 grid, plus a base) Loading: 4464 or 8928 pcs glass slides
Material	Cabinet	Cold-rolled steel plate. Surface Treatment: Degrease oil, Table regulator, Zinc parkerising, Passivation, Powder spraying	
	Drawer	Specialized slide drawer, ABS slide plate	
	Slot	Made by special mold	
	Mark Groove	Integration forming	
External Size(W*D*H)	403*478*1625mm	450*478*1295mm	450*478*1295mm
Package Size(W*D*H)	570*490*430mm(1-3 layers)	550*520*440mm(1st layer)	550*520*440mm(1st layer)
	570*490*430mm(4-6 layers)	550*520*440mm(2nd layer)	550*520*440mm(2nd layer)
	570*490*430mm(7-9 layers)	550*520*570mm	550*520*570mm
	570*490*560mm (10-12 layers+Base stand)	(3rd layer+Base stand)	(3rd layer+Base stand)
Gross Weight	110kg	82kg	80kg