

Product Specification



Product:	MEV
	230 V, 50-60 Hz
Art.No.:	10150000
Commodity Code:	90279010

Highlights

- Modern rotary microtome with motorized μm advance/return
- Storage area for 24 specimen holders
- Large anti-roll plate
- Heated viewing window (glass, electrically, conductive coating, transparent)
- Intuitive electronic control panel
- Automatic defrost
- 2x Shock freezing positions (optional)
- UV-C disinfection (optional)

Standard Accessories

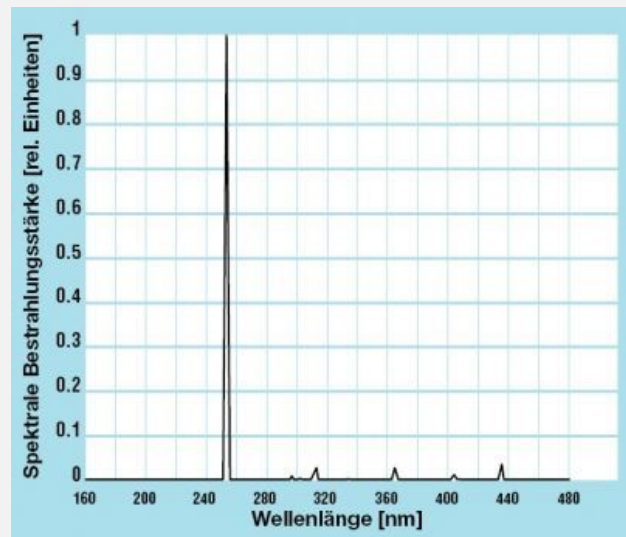
- Basic instrument with semi-automatic rotary microtome
- Object holders (5x \varnothing 22 mm; 5x \varnothing 35 mm), 1x Rack for object holders (stainless steel)
- 1x Heat extractor
- 1x Brush, 1 x Brush shelf
- 1x Section Waste Tray
- Anti-roll plate, ready to use
- 1x Bottle cryostat low temperature oil
- 1x CryoGlue embedding medium (4x 125 ml)
- 1 Box of disposable blades (50 pcs.) or 1 steel knife (16 cm C-profile)
- Set of allen keys
- Operation manual
- Mains cable

Cryochamber



UV-C disinfection (optional)

- Surface Disinfection at 254 nm
- No chemicals or toxic compounds
- No formation of resistance
- 99,99 % efficiency
- Comfortable and quick procedure
- Safety sensors



SPECIFICATIONS

Nominal supply voltage:	230 V AC +/- 10%
Nominal frequency:	50 / 60 Hz
Power draw:	860 VA
Protective class:	(1) I
Power fuses:	2x T 10 A
Pollution degree:	(1) 2
Overvoltage installation category:	II
Maximum heat emission:	860 J/s
Operating temperature range:	+10 °C to +35 °C
Temperature range during storage:	+5 °C to +55 °C
Relative humidity:	max. 80% non condensing
Humidity during storage:	< 8%
<small>(1) According to IEC 1010, EN 61010</small>	
Cryochamber	
Material:	Stainless steel
Dimensions [W x D x H]:	490 x 550 x 400 mm
Illumination:	LED
Temperature range:	0 °C to -35 °C, +/- 5 K, adjustable in 1 K steps
Cooling time RT to -25°C:	approx. 5 h
Cooling time to -35°C:	approx. 6 h
Refrigeration capacity:	640 W
Refrigerant:	R 449 a
Automatic Defrost:	automatic hot gas defrosting, temperature and time controlled manual defrosting on demand
UV-C disinfection (optional):	254 nm Programmable, Safety sensors
Specimen preparation positions:	24x positions, 10°C lower than chamber temperature
QuickFreeze specimen preparation positions (optional):	2x positions, down to -55 °C
Microtome	
Section thickness setting range:	0 - 100 µm
Section thickness selection:	0 - 2 µm in 0,5 µm, 2 - 20 µm in 1 µm 20 - 50 µm in 2 µm, 50 - 100 µm in 5 µm
Trimming thickness setting range:	0,5 – 750 µm
Horizontal specimen feed:	28 mm
Vertical stroke:	58 mm
Maximum specimen size:	50 mm
Coarse feed:	motorised, 2 speeds (600 µm/s / 3000 µm/s)
Specimen retraction:	0 - 200 µm, free programmable
Specimen orientation, horizontal:	8°
Specimen orientation, vertical:	8°
Specimen orientation, z-axis:	360°
Housing	
Dimensions and weight [W x D x H]:	680 mm x 600 mm x 1110 mm
Weight [w/o accessories]:	110kg

Optional Accessories

Standard Knife Holder,	Art.No.: #10156010
3K-Disposable Blade Holder (for low and high profile blades),	Art.No.: #10157004
Disposable Blade Holder (TC 65 blades),	Art.No.: #10157007
2x Quick freezing positions,	Art.No.: #10159000
UV disinfection,	Art.No.: #10169000
Specimen cooling 230 V, 50/60 Hz,	Art.No.: #10164000
Heat extractor block,	Art.No.: #31000253
USV, briding time up to 15 min, low audible noise <45db(A)	Art.No.: #10150500
Object holder (Ø 22 mm),	Art.No.: #30000002
Object holder (Ø 35 mm),	Art.No.: #30000000
Object holder (Ø 28 mm),	Art.No.: #30000017
Object holder (Ø 50 mm),	Art.No.: #30000003
Cork plate (100 pcs.; Ø 20 mm),	Art.No.: #30001001
CryoGlue embedding medium (4x 125 ml),	Art.No.: #30001100
clear-cut Brush,	Art.No.: #30001030
Anti-roll plate (disposable blade holder),	Art.No.: #32001050
Anti-roll plate (standard knife holder),	Art.No.: #32001049
Disposable blade (low profile; 50 pcs.),	Art.No.: #28407000
Disposable blade (high profile; 50 pcs.),	Art.No.: #28408000
Disposable blades (TC65; 1 pcs.),	Art.No.: #28406000
Disposable blade (low profile; 50 pcs.) ,	
Plasma LPH, for hard specimen	Art.No.: #28407004
Disposable blade (lowprofile; 50 pcs.),	
Plasma LPS, for soft specimen	Art.No.: #28407005
Disposable blade (high profile; 50 pcs.),	
Plasma HPS, for soft specimen	Art.No.: #28407006
Freezing spray (173 g),	Art.No.: #30001010
Cryostat low temperature oil (50 ml),	Art.No.: #30001011
Disinfection spray (250 ml),	Art.No.: #30001200

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