

MICROTOME CRYOSTAT

MANUFACTURER: THERMOFISHER

Manufacturer Model# CRYOSTOME FSE

Manufacturer's PHONE: (508) 482-7000 FAX: (508) 634-2110

Manufacturer's Website: <<http://www.thermo.com>>

Item Web Link:

<<http://www.thermo.com/com/cda/product/detail/0.1055.10121433.00.html>>

AAC 'Y' ITEM NSN 6640-01-348-2460

USAMMA POC: Customer Relationship Management 301-619-1288/4301 - DSN 343-1288/4301

UNIT PRICE: \$11,123.88

System Description: For use in preparing large or small, thin, unwrinkled sections of single or multiple pieces of fresh frozen tissue in military surgical pathology laboratories. The Cryostome FSE Cryostat has the microtome located outside the cryo-chamber for quick temperature adjustment and safer, easier cryo-chamber decontamination and cleaning. A simple, intuitive multi-lingual touch screen display provides easy instrument setup, operation and control of the cryo-chamber and microtome. Peace of mind operation is ensured with a dual compressor system, a remote alarm to signal system failure, and multi-level security code protection to prevent unauthorized access to protocols. The 6 position Cryobar has a dedicated refrigeration system, cover, rapid cooling boost to -55 Celcius, and 3 heat sinks. The Specimen head has X- and Y- orientation with user defined temperature control. The 3 level foot rest is adjustable for better ergonomics and comfort. A lockable heated window eliminates frost buildup. The hand wheel may be locked to prevent injury when working around the blade. CFE-Free refrigeration and foam insulation. An Automated Fumigation Cycle to disinfect the cryochamber and programmable auto-defrost cycle are standard. "Quick heat" specimen release system is also included.

Features:

- Rotary
- Refrigerated
- Mounted on casters, two of which lock
- Has a compressor capable of maintaining selected knife temperature of 0 to -20 °C (32 to -4 °F), 24 hours a day for an indefinite period of time
- Automatic defrosting
- Quick freeze timer
- Interior cabinet temperature readout w/low of -28 °C (-18.4 °F)
- Automatic feed w/min range of 2-4 microns



**MICROTOME CRYOSTAT
PART # CRYOSTOME FSE
NSN 6640013482460**

**MICROTOME CRYOSTAT
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	49.2
	Width (Inches)	27.8
	Length (Inches)	29.3
	Cube (Cubic Feet)	23.1918
	Weight	275.6 lbs
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	
Storage Temp		-13 to 131 °F (-25 to 55 °C)
Operating Temp		41 to 104 °F (5 to 40 °C)
Storage Humidity		80% max < 88 °F (31 °C); 50% max 88 to 104 °F (31 to 40 °C)
Operating Humidity		80% max < 88 °F (31 °C); 50% max 88 to 104 °F (31 to 40 °C)
Amps		38
Watts		
Power Requirements	115 VAC, 60Hz, 6,147 BTU/Hr Max Current @ compressor start: 38A Nominal Voltage @ max current: 103 VAC Max Voltage @ no load: 126 VAC	
Notes	Chamber Access Width: 19.7 inches minimum Microtome Section Thickness: 1-20 µm in 1 µm steps, 23-60 µm in 5 µm steps Total Horizontal Specimen Advance: 25 mm Cutting Stroke: 57 mm Trim Wheel: 8 µm indents Motorized Coarse Advance: 1 mm/ sec Specimen Retraction: Standard Refrigeration-Cryochamber: 32°F to -31°F (0 to -35°C) Refrigeration-Cryobar: 32°F to -67°F (0 to -55°C) or colder Refrigeration-Specimen Head: 32°F to -40°F (0 to -40°C) Agency Approval: Meets IEC61010, CSA, UL and CE Mark (IVDD compliant)	

**MICROTOME CRYOSTAT
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN ThermoFisher	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640013482460		Microtome Cryostat	CRYOSTO ME FSE		1	EA	\$11,123.88	\$11,123.88	N/A
		Anti-Roll Device	A78930200		1	EA	Incl w/NSN 2460	Incl w/NSN 2460	N/A
		Lubricant	291		1	4 OZ	Incl w/NSN 2460	Incl w/NSN 2460	N/A
6640004339700		Knife Microtome Plain Wedge 185mm	12-634C		1	EA	Incl w/NSN 2460	Incl w/NSN 2460	N/A
7610015436723		Literature Maintenance			2	EA	Incl w/NSN 2460	Incl w/NSN 2460	N/A
7610015437003		Literature Operator			2	EA	Incl w/NSN 2460	Incl w/NSN 2460	N/A

**MICROTOME CRYOSTAT
WEB LINKS**

[Click Below for Equipment Support Plans. Note: Only available to personnel who reside in a Military \(.mil\) domain. Please select the plans you wish to receive and enter your email address. Support Plans include 10/20 Standards, maintenance intervals, Maintenance Allowance Chart, and more.](http://www.usamma.army.mil/assets/apps/email_doc/email_doc_index.cfm)

http://www.usamma.army.mil/assets/apps/email_doc/email_doc_index.cfm

[Click Below for Disposable Blade Specifications](http://www.thermo.com/eThermo/CMA/PDFs/Product/productPDF_4865.pdf)

http://www.thermo.com/eThermo/CMA/PDFs/Product/productPDF_4865.pdf

[Click Below for Product Brochure](http://www.thermo.com/eThermo/CMA/PDFs/Product/productPDF_7345.pdf)

http://www.thermo.com/eThermo/CMA/PDFs/Product/productPDF_7345.pdf