

**MEDICAL EQUIPMENT
SET BLOOD BANK
PROCESSING
DETACHMENT LAB**

**Support and Consumables
Handbook**

6545-01-518-2964

**UA 504A
LIN M23423**

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October 2010

U.S. Army Medical Materiel Agency

The information contained in this manual was prepared
by the U.S. Army Medical Materiel Agency,
PMO, Medical Devices,
Acquisition Information Division,
Fort Detrick, MD

This manual is still in draft form and may contain inaccuracies.

To report inaccuracies or additions, please contact:

Customer Relations Management

301-619-4301/6901/1288, DSN 343-4301/6901/1288, or at

USAMMACRM@amedd.army.mil

Responses may also be mailed to:

Commander

U.S. Army Medical Materiel Agency (USAMMA)

MCMR-MMO-OC

693 Neiman Street

Fort Detrick, MD 21702-5001

**For additional equipment item information, visit the
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AGITATOR BLOOD STORAGE PLATELET

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MANUFACTURER: HELMER

Manufacturer Model# PF15I

Manufacturer's PHONE: (317) 773-9073 FAX: (317) 773-9082

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

Item Web Link:

<http://www.helmerinc.com/PF15i.aspx>

AAC 'J' ITEM NSN 6515-01-523-6035

UA's: 504B, N704

USAMMA POC: Customer Relations Management 301-619-4301/6901 - DSN 343-4301/6901

UNIT PRICE: \$1,590.00

System Description: The Helmer platelet agitators offer a wide range of storage capacities. Delrin® rollers and glides allow the drawer storage platform to agitate smoothly, eliminating the need for ball bearings which wear down and squeak. Sturdy, one-piece perforated drawers with non-slip textured coating provide uniform air circulation for your platelets.

Features: The i.Series platelet agitators feature a built-in motion alarm with adjustable volume. An alarm sounds when the side- to-side motion is not detected. When placed in an i.Series incubator, the agitator can be monitored by the i.Center with the AgiTrak system.

NOTE: Used in Conjunction with Incubator Blood Platelet NSN 6640015243018



AGITATOR BLOOD STORAGE PLATELET
PART # PF15i
NSN 6515015236035

**AGITATOR BLOOD STORAGE PLATELET
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	12.5
	Width (Inches)	13.5
	Length (Inches)	9.25
	Cube (Cubic Feet)	0.9033
	Weight	26.5 lbs.
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	35 lbs.
Storage Temp		
Operating Temp		41° F to 95° F
Storage Humidity		
Operating Humidity		Max Ambient 80%
Amps		0.4
Watts		46
Power Requirements	115 VAC 60 Hz	
Notes		

**AGITATOR BLOOD STORAGE PLATELET
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Helmer	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6515015236035		Agitator Blood Storage Platelet	PF15i		1	EA	\$1,590.00	\$1,590.00	N/A
7610005436723		Literature, Medical Maintenance	360095-1		1	EA	Incl w/NSN 6035	Incl w/NSN 6035	N/A
7610005437003		Literature, Operator	360092-1		1	EA	Incl w/NSN 6035	Incl w/NSN 6035	N/A

**AGITATOR BLOOD STORAGE PLATELET
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

APHERESIS DEVICE PLATELET THERAPEUTICS

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MANUFACTURER: HAEMONETICS CORP

Manufacturer Model# 09000-110-E

Manufacturer's PHONE: (781) 348-1390 FAX: (781) 356-9990

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

Item Web Link:

<http://www.haemonetics.com/site/content/products/blood/devices/mcs9000.asp>

AAC 'J' ITEM NSN 6515-01-523-2067

UA's: 504B, N504, N704

USAMMA POC: Customer Relations Management 301-619-4301/6901 - DSN 343-4301/6901

UNIT PRICE: \$23,575.00

System Description: The Haemonetics MCS+® (Multi Component System) addresses the traditional drawbacks of platelet therapy, because it automates the platelet collection process permitting the collection of greater quantities of platelets from a single donor.

Features: The machine collects whole blood from a healthy donor into a sterile, single use disposable kit. The blood flows into a plastic bowl (part of the disposable kit) and through centrifugal force is separated into its component parts. The platelets are harvested into a collection bag, and the remaining blood components - plasma and red cells - are returned to the donor. The advantages of this system are two-fold: (1) the collection of up to two therapeutic doses from a single donor, and (2) platelet transfusion safety for the recipients, thanks to the reduction or elimination of pooling.



**APHERESIS DEVICE PLATELET THERAPEUTICS
PART # 09000-110-E
NSN 6515015232067**



**APHERESIS DEVICE PLATELET THERAPEUTICS
PART # 09000-110-E
NSN 6515015232067**



APHERESIS DEVICE PLATELET THERAPEUTICS WITH CASE



**APHERESIS DEVICE PLATELET THERAPEUTICS - HARDENED CASE
PART # 09012-00**



**TEST SET DIAGNOSTIC
PART # ETC
NSN 6550015556832**

For Testing, Not Included with Apheresis

**APHERESIS DEVICE PLATELET THERAPEUTICS
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	27
	Width (Inches)	22.25
	Length (Inches)	22.25
	Cube (Cubic Feet)	7.7354
	Weight	56 lbs.
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	
Storage Temp		-4° F to 122° F
Operating Temp		50° F to 80.6° F
Storage Humidity		Less than 95% Non-Condensing
Operating Humidity		8 to 80%
Amps		5
Watts		500
Power Requirements	100 VAC 46/63 Hz	
Notes	Closed Height: 17.25" Closed Width: 22.25" Closed Length: 13.38"	

**APHERESIS DEVICE PLATELET THERAPEUTICS
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Haemonetics Corp	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6515015232067		Apheresis Device Platelet Therapeutics	09000-110-E		1	EA	\$23,575.00	\$23,575.00	N/A
6515015563060		Tool Kit	36841-00		1	EA	Incl w/NSN 2067	Incl w/NSN 2067	N/A
6515015569599		Power Cord	19417-00		1	EA	Incl w/NSN 2067	Incl w/NSN 2067	N/A
6850012834498		Silicone Lubricant	06176-00		1	EA	Incl w/NSN 2067	Incl w/NSN 2067	N/A
7610005437003		Literature, Operator	39129-00		1	EA	Incl w/NSN 2067	Incl w/NSN 2067	N/A
7610015437003	Included w/NSN	Operation Manual for Platelets	51052-00		1	EA	Incl w/NSN 2067	Incl w/NSN 2067	N/A

**APHERESIS DEVICE PLATELET THERAPEUTICS
ITEMS FOUND IN THE UNIT ASSEMBLAGE SUPPORTING THIS ITEM**

NSN	Notes	Nomenclature	MFR PN Haemonetics Corp	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6505015267900	In the UA	Anticoagulant Citrate Dextrose Solution USP Formula - 1000ml vi 12/pg	4B7891		2	12/PG	\$82.88	\$165.76	24
6515015232079	In the UA	Platelet Collection Kit Concurrent Plasma Disposable Kit	994-CF-CPP		3	KT	\$1,219.18	\$3,657.54	N/A
6515015232082	In the UA	Case Transport Hardened Platelet System	09012-00		1	EA	\$848.42	\$848.42	N/A
6515015232084	In the UA	Stand Platepheresis Instrument For Automate Apheresis Instrument	07010-00		1	EA	\$730.24	\$730.24	N/A

**APHERESIS DEVICE PLATELET THERAPEUTICS
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Haemonetics Corp	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6505015267900		Anticoagulant Citrate Dextrose Solution USP Formula - 1000ml vi 12/pg	4B7891		1	12/PG	\$82.88	\$82.88	24
6515015232079		Platelet Collection Kit Concurrent Plasma Disposable Kit	994-CF-CPP		1	KT	\$1,219.18	\$1,219.18	N/A
6515015232082		Case Transport Hardened Platelet System	09012-00		1	EA	\$848.42	\$848.42	N/A
6515015232084		Stand Platepheresis Instrument For Automate Apheresis Instrument	07010-00		1	EA	\$730.24	\$730.24	N/A
6515015563060		Tool Kit	36841-00		1	EA	\$69.89	\$69.89	N/A
6515015569599		Power Cord	19417-00		1	EA	\$40.58	\$40.58	N/A

ACCESSORIES & CONSUMABLES - RESUPPLY

NSN	Notes	Nomenclature	MFR PN Haemonetics Corp	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6850012834498		Silicone Lubricant	06176-00		1	EA	\$50.43	\$50.43	N/A
7610005436723	Not Incl w/NSN	Literature, Medical Maintenance	47228-00		1	EA	\$85.22	\$85.22	N/A
7610005437003		Literature, Operator	39129-00		1	EA	\$123.00	\$123.00	N/A
7610015437003	Included w/NSN	Operation Manual for Platelets	51052-00		1	EA	\$15.84	\$15.84	N/A

APHERESIS DEVICE PLATELET THERAPEUTICS

ADDITIONAL NOTE:

NSN 7610015437003 - Operator's Manual for Platelets included at time of purchase, when ordered as a unit for retrieving platelets.

APHERESIS DEVICE PLATELET THERAPEUTICS

ITEM TABLES

Test Set Diagnostic Apheresis Contents ETC (Not Included with End Item)

Nomenclature	PN	QTY	UI	Unit Price
Optics Adjusting Fixture	ETE-5007-00	1	EA	4294.97
Kodak Photographic Gray Card	38372-00	1	EA	7.22
Diagnostic Protocol Card	47536-00	1	EA	181.07
Optics/Line Sensor Test Cable Fixture	ETC-5156-00	1	EA	39.75

CENTRIFUGE LABORATORY 3400 RPM

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MANUFACTURER: BECTON DICKINSON AND COMP

Manufacturer Model# 420352

Manufacturer's PHONE: (410) 316-4000 FAX: (410) 316-4732

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

Item Web Link:

<http://catalog.bd.com/bdCat/viewProduct.doCustomer?productNumber=420352>

AAC 'J' ITEM NSN 6640-01-416-7345

UA's: 263C, 504B, N503, N504, N703, N704

USAMMA POC: Customer Relations Management 301-619-4301/6901 - DSN 343-4301/6901

UNIT PRICE: \$2,248.95

System Description: This unit has a high/low switch, electronic timer, brake switch and lid switch. This centrifuge also comes with a 12 place rotor which can accommodate from 10 X 75 mm to 12 X 75 mm tubes (not provided). The unit is portable and can be used for blood grouping, cross matching, coombs test and other cell washing procedures.

NOTE: FOR REPLACEMENT 12 PLACE ROTOR ORDER NSN 6640-00-445-1609 AND FOR REPLACEMENT 6 PLACE ROTOR ORDER NSN 6640-01-162-2949.



**CENTRIFUGE LABORATORY 3400 RPM
PART # SERO-FUGE, 420352
NSN 6640014167345**



**12 PLACE ROTOR
PART # 420545**

**CENTRIFUGE LABORATORY 3400 RPM
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	17
	Width (Inches)	13
	Length (Inches)	12
	Cube (Cubic Feet)	1.5347
	Weight	28 lbs.
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	
Storage Temp		41° F to 104° F
Operating Temp		41° F to 104° F
Storage Humidity		20% to 90%
Operating Humidity		20% to 90%
Amps		6.5
Watts		66
Power Requirements	115 VAC 50/60 Hz	
Notes	Max Speed: 3550 RPM High Speed / 2450 RPM Low Speed	

**CENTRIFUGE LABORATORY 3400 RPM
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Becton Dickinson and Comp	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640014167345		Centrifuge Laboratory 3400 RPM	420352		1	EA	\$2,248.95	\$2,248.95	N/A
6640004451609		12 Place Rotor	42-0545		1	EA	Incl w/NSN 7345	Incl w/NSN 7345	N/A
7610005437003		Literature, Operator	421337		1	EA	Incl w/NSN 7345	Incl w/NSN 7345	N/A

**CENTRIFUGE LABORATORY 3400 RPM
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Becton Dickinson and Comp	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640004451609		12 Place Rotor	42-0545		1	EA	\$205.33	\$205.33	N/A
6640011622949		Head Lab Centrifuge 6 Place	420526		1	EA	\$589.98	\$589.98	N/A
7610005436723	Not Included w/NSN No NSN Required	Literature, Medical Maintenance	429624		1	EA	\$152.00	\$152.00	N/A
7610005437003		Literature, Operator	421337		1	EA	\$10.00	\$10.00	N/A

CHAIR LOUNGE BLOOD DONOR ADJUSTABLE

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MANUFACTURER: ARLINGTON SCIENTIFIC INC.

Manufacturer Model# PN-614

Manufacturer's PHONE: (801) 489-8911 FAX: (801) 489-5552

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

Item Web Link:

http://www.arlingtonscientific.com/shared/layouts/amazonian.jsp?_event=view&_id=120130_U131983_184898

AAC 'L' ITEM NSN 6530-01-508-6662

UA's: 263C, 504B, N504, N704

USAMMA POC: Customer Relations Management 301-619-4301/6901 - DSN 343-4301/6901

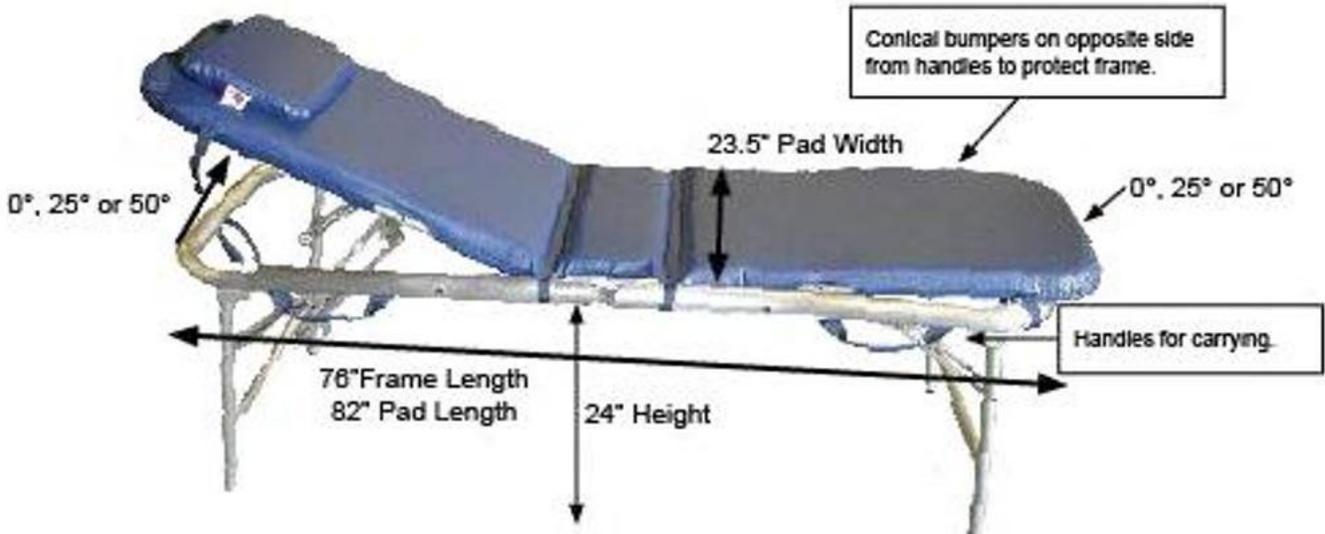
UNIT PRICE: \$2,187.11

System Description: The chair has versatile, multiple donor positions; adjustable at both ends; moves to trendelenburg (feet up) position rapidly; safe adjustments; left and right arm phlebotomy accessible arm draws possible; sets up in 30 seconds; folds into compact and balanced unit; available in height range of 18 to 32 inches; accommodates most manufactures armrests and scales.

- Features:**
- Caters to patient comfort, providing flat, 25° or 50° positions.
 - Strong sturdy 2-inch aluminum frame: certified to hold 450 lbs.
 - Marine-grade Dura-Cote fabric resists tearing.
 - One-step Posi-Loc leg system. Portable & lightweight.
 - Head and footrest adjust to accommodate both left and right phlebotomy.
 - Convenient detachable armrest (ships with armrest/tray). Pillow included.
 - Optional height to fit your needs: order from 18 to 32 inches (standard height ordered, 24 inches).



CHAIR LOUNGE BLOOD DONOR ADJUSTABLE VERSATILE
PART # PN-614
NSN 6530015086662



CHAIR LOUNGE BLOOD DONOR ADJUSTABLE VERSATILE
PART # PN-614



**CHAIR LOUNGS ARMREST WITH TRAY
PART # 20614-800**



CHAIR LOUNGE FOLDED FOR CARRYING

**CHAIR LOUNGE BLOOD DONOR ADJUSTABLE
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	24
	Width (Inches)	23.5
	Length (Inches)	82
	Cube (Cubic Feet)	26.7639
	Weight	35 lbs.
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	
Storage Temp		
Operating Temp		
Storage Humidity		
Operating Humidity		
Amps		
Watts		
Power Requirements	N/A	
Notes	Height listed does not include height of armrest or back and footrest if raised.	

**CHAIR LOUNGE BLOOD DONOR ADJUSTABLE
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Arlington Scientific Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6530015086662		Chair Lounge Blood Donor Adjustable	PN-614		1	EA	\$2,187.11	\$2,187.11	N/A
6530015569168		Novax Armrest/Tray	20614-800		1	EA	Incl w/NSN 6662	Incl w/NSN 6662	N/A
6530015571537		Detachable Pillow	20614-725		1	EA	Incl w/NSN 6662	Incl w/NSN 6662	N/A
6530015774727		Replacement Cushion	20614-700		1	EA	Incl w/NSN 6662	Incl w/NSN 6662	N/A

**CHAIR LOUNGE BLOOD DONOR ADJUSTABLE
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Arlington Scientific Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6530015569168		Novax Armrest/Tray	20614-800		1	EA	\$123.00	\$123.00	N/A
6530015571537		Detachable Pillow	20614-725		1	EA	\$45.00	\$45.00	N/A
6530015774727		Replacement Cushion	20614-700		1	EA	\$160.00	\$160.00	N/A

**CHAIR LOUNGE BLOOD DONOR ADJUSTABLE
WEB LINKS**

[Click Below for User Manual](#)

http://www.arlingtonscientific.com/download/123321_U131983__227271/NOVAX%20User%20Manual_.pdf

[Click Below for Product Brochure](#)

http://www.arlingtonscientific.com/download/123321_U131983__173861/Novax.pdf

CONTAINER TRANSPORT THERMAL DESERT

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MANUFACTURER: MINNESOTA THERMAL SCIENCE

Manufacturer Model# GH-CAMD-MTS-4U

Manufacturer's PHONE: (952) 884-3629 FAX: (763) 412-4801

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

Item Web Link:

http://www.mnthermalscience.com/Products/Products_CredoSolutionFinder_Detail.aspx?pid=11

AAC 'L' ITEM NSN 6530-01-505-5306

UA's: 254A, 504B

USAMMA POC: Customer Relations Management 301-619-4301/6901 - DSN 343-4301/6901

UNIT PRICE: \$2,971.25

System Description: The thermal container is used for storage and transport of blood, pharmaceuticals, reagents and vaccines in the field. Maintains internal temperature between 33.8° to 50° Fahrenheit for 48 plus hours in any environment. It can maintain 41° Fahrenheit temperature for 96 hours. It requires no ice because of the combined performance of the Vacuum Insulated Panel (VIP) and the Thermal Isolation Chamber (TIC™). Canvas cover with strap included.

Features:

- Transports and stores up to 4 units of red blood cells (RBCs).
- Maintains RBCs at required temperature of between 33.8° F and 50°F for up to 60 hours, even in harsh environments.
- Requires no ice because of the combined performance of the Vacuum Insulated Panel (VIP) and the Thermal Isolation Chamber (TIC™).
- Weighs approximately 7 pounds, is highly portable and reusable.
- Additional applications include transport and/or storage of vaccines, other biologics, organs, reagents, and any other temperature-sensitive materials or products.



**CONTAINER TRANSPORT THERMAL DESERT
PART # GH-CAMD-MTS-4U
NSN 6530015055306**

**CONTAINER TRANSPORT THERMAL DESERT
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	8.8
	Width (Inches)	7.8
	Length (Inches)	7.2
	Cube (Cubic Feet)	0.286
	Weight	7 lbs.
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	
Storage Temp		
Operating Temp		
Storage Humidity		
Operating Humidity		
Amps		
Watts		
Power Requirements	N/A	
Notes	<p>Maintains 33.8° F to 50° F for up to 60 hours in harsh environments.</p> <p>Payload Height: 6 inches Payload Width: 5 inches Payload Depth: 4.25 inches</p>	

**CONTAINER TRANSPORT THERMAL DESERT
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Minnesota Thermal Science	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6530015055306		Container Transport Thermal Desert	GH- CAMD- MTS-4U		1	EA	\$2,971.25	\$2,971.25	N/A
6530015055311		Chamber Thermal Isolation	GH-TIC- MTS-4U		1	EA	Incl w/NSN 5306	Incl w/NSN 5306	N/A

**CONTAINER TRANSPORT THERMAL DESERT
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Minnesota Thermal Science	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6530015055311		Chamber Thermal Isolation	GH-TIC- MTS-4U		1	EA	\$1,675.00	\$1,675.00	N/A

CONTAINER TRANSPORT THERMAL WOODLAND

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MANUFACTURER: MINNESOTA THERMAL SCIENCE

Manufacturer Model# GH-WA-MTS-4U

Manufacturer's PHONE: (952) 884-3629 FAX: (763) 412-4801

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

Item Web Link:

http://www.mnthermalscience.com/Products/Products_CredoSolutionFinder_Detail.aspx?pid=11

AAC 'L' ITEM NSN 6530-01-505-5301

UA's: 263C, 504B, 905C, 912B, 921B, N504, N704

USAMMA POC: Customer Relations Management 301-619-4301/6901 - DSN 343-4301/6901

UNIT PRICE: \$2,971.25

System Description: The thermal container is used for storage and transport of blood, pharmaceuticals, reagents and vaccines in the field. Maintains internal temperature between 33.8° to 50° Fahrenheit for 48 plus hours in any environment. It can maintain 41 ° Fahrenheit temperature for 96 hours. It requires no ice because of the combined performance of the Vacuum Insulated Panel (VIP) and the Thermal Isolation Chamber (TIC™). Canvas cover with strap included.

Features:

- Transports and stores up to 4 units of red blood cells (RBCs).
- Maintains RBCs at required temperature of between 33.8° F and 50°F for up to 60 hours, even in harsh environments.
- Requires no ice because of the combined performance of the Vacuum Insulated Panel (VIP) and the Thermal Isolation Chamber (TIC™).
- Weighs approximately 7 pounds, is highly portable and reusable.
- Payload dimensions: 6.0" x 5.0" x 4.25".
- Outside dimensions: 8.8" x 7.8" x 7.2".
- Additional applications include transport and/or storage of vaccines, other biologics, organs, reagents, and any other temperature-sensitive materials or products.



**CONTAINER TRANSPORT THERMAL WOODLAND
PART # GH-WA-MTS-4U
NSN 6530015055301**

**CONTAINER TRANSPORT THERMAL WOODLAND
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	8.8
	Width (Inches)	7.8
	Length (Inches)	7.2
	Cube (Cubic Feet)	0.286
	Weight	7 lbs.
Ship Dimensions	Height (Inches)	8.8
	Width (Inches)	7.8
	Length (Inches)	7.2
	Cube (Cubic Feet)	0.286
	Weight	7 lbs.
Storage Temp		
Operating Temp		33.8° F to 50° F for up to 60 hours in harsh environments
Storage Humidity		
Operating Humidity		
Amps		
Watts		
Power Requirements	N/A	
Notes	Payload Dimensions: Height: 6.0 inches Width: 5.0 inches Depth: 4.25 inches	

**CONTAINER TRANSPORT THERMAL WOODLAND
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Minnesota Thermal Science	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6530015055301		Container Transport Thermal Woodland	GH-WA- MTS-4U		1	EA	\$2,971.25	\$2,971.25	N/A
6530015055311		Chamber Thermal Isolation	GH-TIC- MTS-4U		1	EA	Incl w/NSN 5301	Incl w/NSN 5301	N/A

**CONTAINER TRANSPORT THERMAL WOODLAND
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Minnesota Thermal Science	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6530015055311		Chamber Thermal Isolation	GH-TIC- MTS-4U		1	EA	\$1,675.00	\$1,675.00	N/A

FREEZER UPRIGHT ULTRA-LOW TEMP

TOC

MANUFACTURER: THERMO-ELECTRON CORP

Manufacturer Model# ULT-1386-9A

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

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

Item Web Link:

<http://www.thermoscientific.com/ecom/servlet/productsdetail?productId=13133047&groupType=PRODUCT&searchType=0&storeId=11152>

AAC 'J' ITEM NSN 4110-01-508-6668

UA's: 504B

USAMMA POC: Customer Relations Management 301-619-4301/6901 - DSN 343-4301/6901

UNIT PRICE: \$10,797.51

System Description: This freezer was developed for the most critical material storage. The Revco Ultima II represents the finest, most enhanced ultra-low freezer anywhere. Available in general purpose and blood bank configurations, each Ultima II freezer includes the Revco IntrLogic® microprocessor control system with built-in voltage boost and surge suppressor, convenient eye-level controls on upright models and comprehensive monitoring technology such as Lifeguard compressor protection, A.I.M. (Automatic Incident Monitor), and extreme ambient alert.

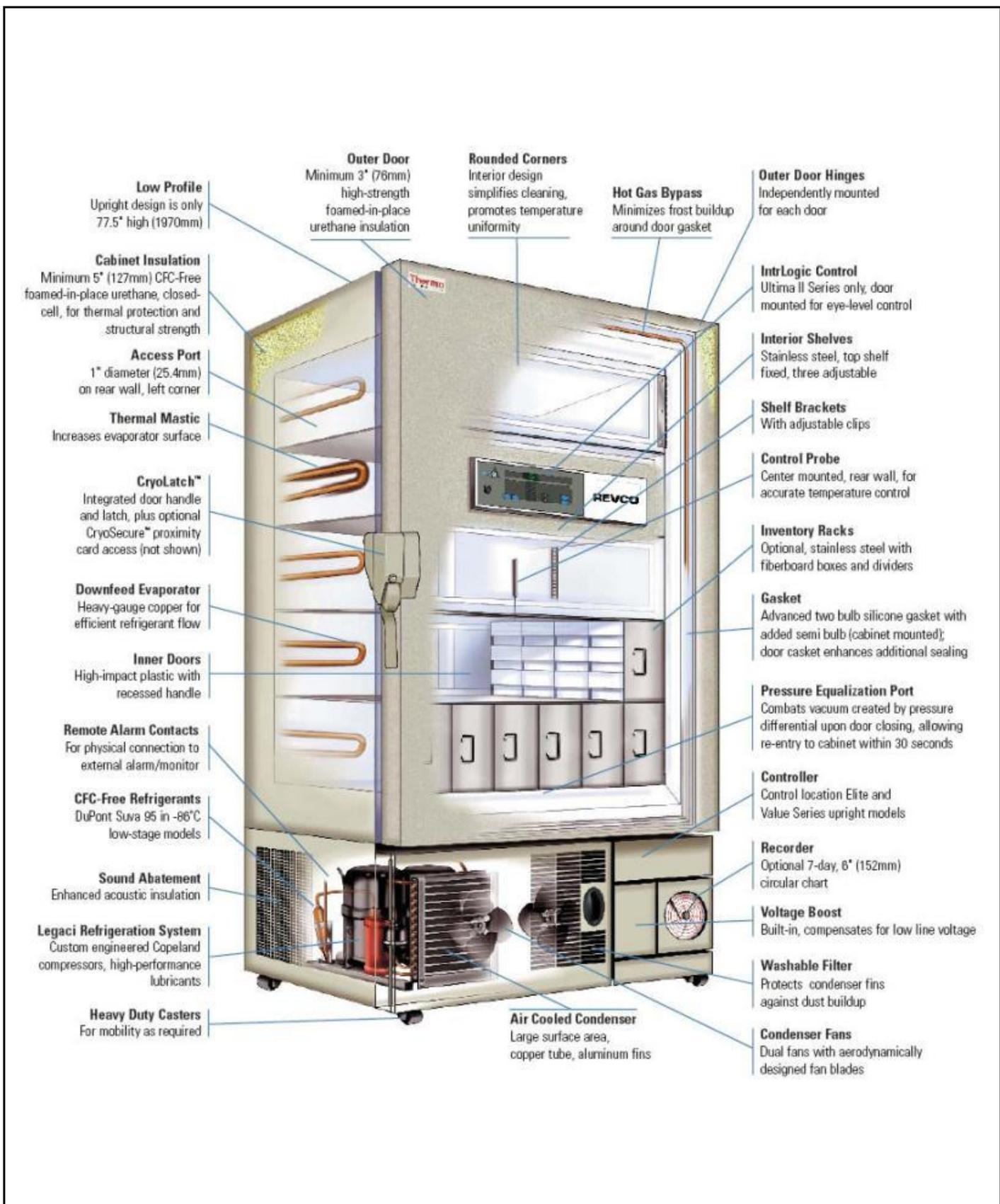
Features:

- Minimum 5" (12.7cm) foamed-in-place urethane insulation, closed-cell, CFC-free, to protect product against high ambient conditions.
- Heavy-gauge steel cabinet with high impact powder paint finish.
- Rounded interior corners for easy cleaning.
- Access port, 1" (2.54cm) diameter, with cap.
- Recessed heavy duty swivel casters.
- Temperature range -40° F to -122.8° F

NOTE: NOW MANUFACTURED BY THERMO FISHER SCIENTIFIC.



**FREEZER UPRIGHT ULTRA-LOW TEMP
PART # ULT-1386-9A
NSN 4110015086668**



Low Profile
Upright design is only 77.5" high (1970mm)

Outer Door
Minimum 3" (76mm) high-strength foamed-in-place urethane insulation

Rounded Corners
Interior design simplifies cleaning, promotes temperature uniformity

Hot Gas Bypass
Minimizes frost buildup around door gasket

Outer Door Hinges
Independently mounted for each door

Cabinet Insulation
Minimum 5" (127mm) CFC-Free foamed-in-place urethane, closed-cell, for thermal protection and structural strength

Access Port
1" diameter (25.4mm) on rear wall, left corner

Thermal Mastic
Increases evaporator surface

CryoLatch™
Integrated door handle and latch, plus optional CryoSecure™ proximity card access (not shown)

Downfeed Evaporator
Heavy-gauge copper for efficient refrigerant flow

Inner Doors
High-impact plastic with recessed handle

Remote Alarm Contacts
For physical connection to external alarm/monitor

CFC-Free Refrigerants
DuPont Suva 95 in -86°C low-stage models

Sound Abatement
Enhanced acoustic insulation

Legaci Refrigeration System
Custom engineered Copeland compressors, high-performance lubricants

Heavy Duty Casters
For mobility as required

IntrLogic Control
Ultima II Series only, door mounted for eye-level control

Interior Shelves
Stainless steel, top shelf fixed, three adjustable

Shelf Brackets
With adjustable clips

Control Probe
Center mounted, rear wall, for accurate temperature control

Inventory Racks
Optional, stainless steel with fiberboard boxes and dividers

Gasket
Advanced two bulb silicone gasket with added semi bulb (cabinet mounted); door gasket enhances additional sealing

Pressure Equalization Port
Combats vacuum created by pressure differential upon door closing, allowing re-entry to cabinet within 30 seconds

Controller
Control location Elite and Value Series upright models

Recorder
Optional 7-day, 6" (152mm) circular chart

Voltage Boost
Built-in, compensates for low line voltage

Washable Filter
Protects condenser fins against dust buildup

Condenser Fans
Dual fans with aerodynamically designed fan blades

Air Cooled Condenser
Large surface area, copper tube, aluminum fins

ADVANCED CABINET CONSTRUCTION - THERMO SCIENTIFIC ULTIMA II -86°C UPRIGHT, 24.4 CU. FT. (691 LITER), ILLUSTRATED WITH OPTIONAL TEMPERATURE RECORDER AND STAINLESS STEEL INVENTORY RACKS WITH BOXES.

**FREEZER UPRIGHT ULTRA-LOW TEMP
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	77.5
	Width (Inches)	37.1
	Length (Inches)	31.3
	Cube (Cubic Feet)	52.0806
	Weight	655 lbs.
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	
Storage Temp		
Operating Temp		60° F to 90° F
Storage Humidity		
Operating Humidity		Less than 90%
Amps		16
Watts		1840
Power Requirements	115 VAC 50/60 Hz	
Notes	Storage Cubic Foot: 13.4 cu ft	

**FREEZER UPRIGHT ULTRA-LOW TEMP
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Thermo- Electron Corp	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
4110015086668		Freezer Upright Ultra-Low Temp	ULT-1386- 9A		1	EA	\$10,797.51	\$10,797.51	N/A
7610005437003		Literature, Operator	39125H01		1	EA	Incl w/NSN 6668	Incl w/NSN 6668	N/A

**FREEZER UPRIGHT ULTRA-LOW TEMP
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Thermo- Electron Corp	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
7610005436723		Literature, Medical Maintenance	301903H13		1	EA	\$166.00	\$166.00	N/A

**FREEZER UPRIGHT ULTRA-LOW TEMP
WEB LINKS**

[Click Below for Manual Available Online](#)

<http://www.thermoscientific.com/ecomm/servlet/techresource?storeId=11152&langId=-1&taxonomy=4&resourceId=95244&contentType=User+Manuals&productId=13133047#>

ICE MAKING MACHINE CUBE

[TOC](#)

MANUFACTURER: ICE-O-MATIC

Manufacturer Model# ICEU220FA

Manufacturer's PHONE: (303) 371-3737 FAX: (303) 371-6296

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

AAC 'J' ITEM NSN 4110-00-837-6441

UA's: 504B, N504, N704

USAMMA POC: Customer Relations Management 301-619-4301/6901 - DSN 343-4301/6901

UNIT PRICE: \$1,505.44

System Description: Ice Maker w/Bin, cube-style, undercounter, air-cooled, self-contained condenser, approximately 238-lb production/24 hrs, 74 lb. built-in bin, full-size cube, EnerLogic™ Technology.

Features:

- Front Air Discharge Air is drawn in and exhausted from the front - no side clearance required
- Environmentally responsible. All ICE Series™ undercounter machines use HFC refrigerants, ICEU200FA uses R-404A,
- Filter-Free Air, no air filters to change.
- Easy to service and install. The ICE Series™ machines have electro-mechanical controls.
- PURE ICE™ Exclusively by ICE-O-Matic® Built in antimicrobial protection for the life of the machine prevents bacteria and slime fungus growth. ICE-O-Matic's® optional water filtration system provides protection against unpleasant tastes, odors, and scale formation.
- Harvest Assist Consistent ICE Production 24/7 by pushing the ICE into the bin rather than waiting for gravity to overpower the scale.



**ICE MAKING MACHINE CUBE - MANUAL DISPENSING 200 LB. CAPACITY 24 HOUR PERIOD
PART # ICEU220FA
NSN 4110008376441**



FULL SIZE ICE CUBE

**ICE MAKING MACHINE CUBE
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	39
	Width (Inches)	24
	Length (Inches)	24
	Cube (Cubic Feet)	13
	Weight	175 lbs.
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	
Storage Temp		50° F to 110° F
Operating Temp		
Storage Humidity		40% to 60% Non-Condensing
Operating Humidity		40% to 60% Non-Condensing
Amps		11.9
Watts		1368.5
Power Requirements	115 VAC 60 Hz	
Notes	Operating Water Temperature: 40° F to 110° F Operating Water Pressure: min 20 PSI to max 60 PSI	

**ICE MAKING MACHINE CUBE
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Ice-O- Matic	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
4110008376441		Ice Making Machine Cube	ICEU220F A		1	EA	\$1,505.44	\$1,505.44	N/A
7610005437003		Literature, Operator/Maintenance	9081264- 01		1	EA	Incl w/NSN 6441	Incl w/NSN 6441	N/A

ICE MAKING MACHINE CUBE

ITEMS FOUND IN THE UNIT ASSEMBLAGE SUPPORTING THIS ITEM

NSN	Notes	Nomenclature	MFR PN Ice-O- Matic	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640013589325	In the UA	Bag Plastic Polyethylene Single Wall A4 flat 24"x24" Heat Seal 14lb cap	2424		1	250/PG	\$21.96	\$21.96	N/A

ICE MAKING MACHINE CUBE

ACCESSORIES & CONSUMABLES - RESUPPLY

NSN	Notes	Nomenclature	MFR PN Ice-O- Matic	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640013589325		Bag Plastic Polyethylene Single Wall A4 flat 24"x24" Heat Seal 14lb cap	2424		1	250/PG	\$21.96	\$21.96	N/A

ICE MAKING MACHINE CUBE

ADDITIONAL NOTE:

Repair and Parts manuals can be e-mailed, if requested at no charge from Vendor by going to their website.

ICE MAKING MACHINE CUBE

WEB LINKS

[Click Below for Operator Manual](#)

<<http://www.iceomatic.com/docs/uploaded/ice/products/InstallManual.pdf>>

INCUBATOR BLOOD PLATELET

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MANUFACTURER: HELMER

Manufacturer Model# PC100I

Manufacturer's PHONE: (317) 773-9073 FAX: (317) 773-9082

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

Item Web Link:

<http://www.helmerinc.com/PC100i.aspx>

AAC 'L' ITEM NSN 6640-01-524-3018

UA's: 504B, N704

USAMMA POC: Customer Relations Management 301-619-4301/6901 - DSN 343-4301/6901

UNIT PRICE: \$9,332.00

System Description: Helmer presents the i.Series line of Platelet Storage Systems. This advanced line features the i.Center™ Integrated Monitoring System which provides unprecedented levels of security and access to information. The i.Center, along with many other innovative features, makes Helmer's i.Series the leader in Platelet Storage Systems. The i.Series countertop platelet incubators provide the security of a continuously controlled temperature environment with an efficient use of counter space. Top mounted controls, i.Center Integrated Monitoring System, and chart recorder are positioned for easy access.

Features:

- Advanced alarm monitoring.
- Access to Information: provides the ability to view all events and conditions the platelets have been exposed to during storage.
- Agitator motion tracking.
- Precise temperature control.
- Constant agitation.
- The safety of bacteria-resistant powder coating.
- Electric condensate evaporator.
- Forced-air circulation.
- Dual pane, tempered glass door (left-hinged).
- Key lock.
- Microprocessor-based monitoring system is independent from the temperature controller.
- Single stainless steel resistance temperature detector (RTD) probe (all other incubator models).
- Automatic high/low alarm testing (Peltier based).
- AgiTrak system monitors agitator motion.
- Cycle counter tracks the number of agitator cycles.
- Agitator cycles are recorded in the i.Center.
- Event log of alarm conditions with date and time.
- Password protected configuration.
- Continuous 24-hour temperature graph operates as a screen saver (may be disabled).
- "Soft" programmable buttons allow added future functionality.
- System status with visual and audible alarms.
- Exclusive i.Help™ on-board help for system training and service.
- Dry contact connection to remote alarm systems.
- Optional RS232 port.
- Flash memory upgradeable.
- Digital calibration.
- Continuous "automatic battery checks" system, with battery backup
- Door open counter resets itself at midnight.

- Date and time display.

NOTE: Used in Conjunction with Agitator Blood Storage Platelet: NSN 6515-01-523-6035



**INCUBATOR BLOOD PLATELET
PART # PC100i
NSN 6640015243018**

**INCUBATOR BLOOD PLATELET
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	25
	Width (Inches)	21.25
	Length (Inches)	18.75
	Cube (Cubic Feet)	5.7644
	Weight	105 lbs.
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	151 lbs.
Storage Temp		
Operating Temp		59° F - 95° F
Storage Humidity		
Operating Humidity		Max Ambient 80%
Amps		8
Watts		920
Power Requirements	115 VAC 60 Hz	
Notes		

**INCUBATOR BLOOD PLATELET
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Helmer	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640015243018		Incubator Blood Platelet	PC100i		1	EA	\$9,332.00	\$9,332.00	N/A
	See Resupply	Battery 9V			1	EA	Incl w/NSN 3018	Incl w/NSN 3018	N/A
6640015574355		Chart Paper 7 day 4 inches	220273		1	52/PG	Incl w/NSN 3018	Incl w/NSN 3018	N/A
7610005436723		Literature, Medical Maintenance	360096-1		1	EA	Incl w/NSN 3018	Incl w/NSN 3018	N/A
7610005437003		Literature, Operator	360093-1		1	EA	Incl w/NSN 3018	Incl w/NSN 3018	N/A

**INCUBATOR BLOOD PLATELET
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Helmer	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6135009002139		Battery Non-Rechargeable Alkaline 9.0 volts	1604		1	12/PG	\$10.70	\$10.70	36
6640015574355		Chart Paper 7 day 4 inches	220273		1	52/PG	\$63.47	\$63.47	N/A

INCUBATOR, DRY HEAT

[TOC](#)

DISTRIBUTOR: GSS INC.

MANUFACTURER: BOEKEL SCIENTIFIC

Manufacturer Model# 113002

Distributor's PHONE: (703) 734-1805 FAX: (703) 734-1803

Manufacturer's PHONE: (215) 396-8200 FAX: (215) 396-8264

Distributor's Website: <http://www.govsci.com>

Manufacturer's Website: <http://www.boekelsci.com/index.html>

Item Web Link:

http://www.boekelsci.com/pages/products/drybath/pro_drybath_over.html

AAC 'J' ITEM NSN 6640-01-564-7932

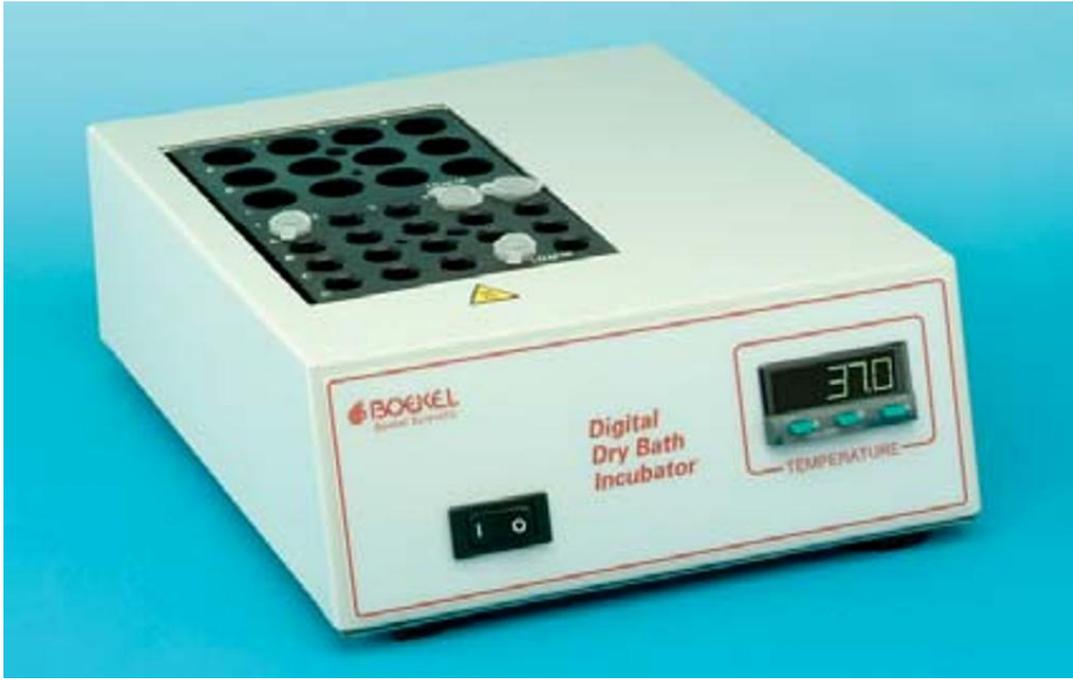
UA's: 212B, 221B, 263C, 504B, N503, N703

USAMMA POC: Customer Relations Management 301-619-4301/6901 - DSN 343-4301/6901

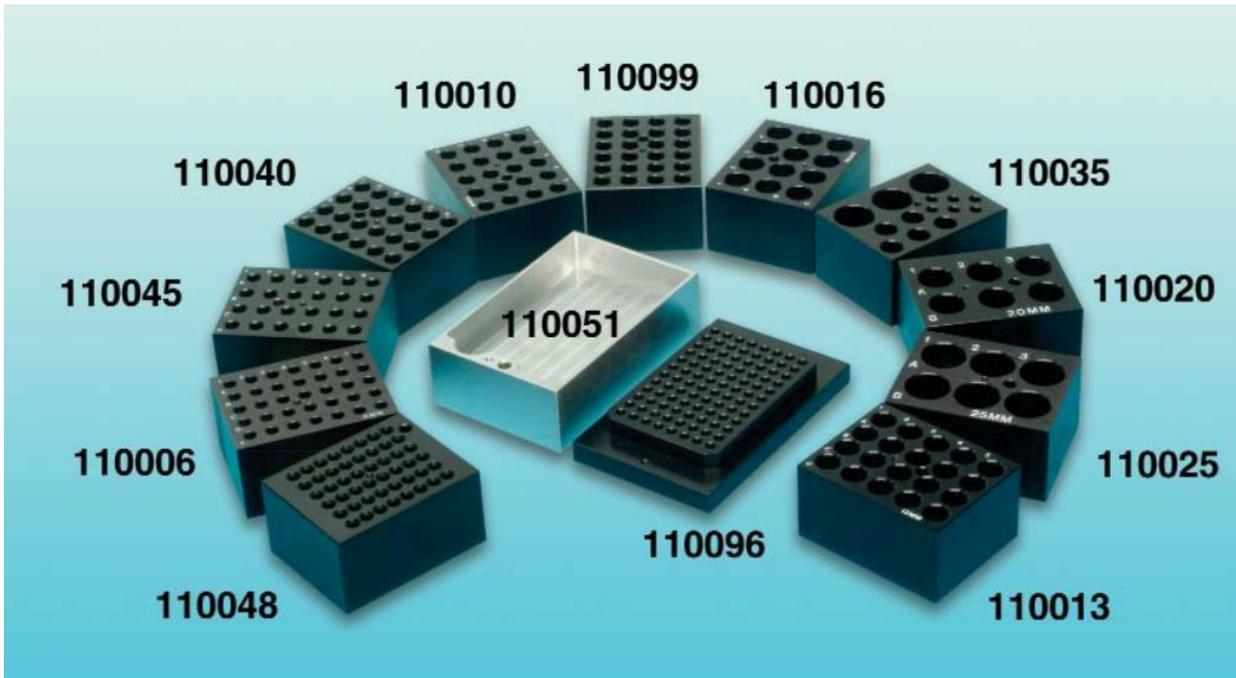
UNIT PRICE: \$735.40

System Description: Designed to accommodate an assortment of interchangeable Heating Block Modules. Incorporates a proportional integrative derivative (PID) controller for easy temperature selection, rapid heat-up and superb stability. Temperature can be set in 0.1°C increments up to 120°C. Temperature uniformity is +/- 0.25°C @ 37°C. The large LED display is easily seen throughout the lab.

- Features:**
- Temperature set in 0.1°C increments up to 120°C
 - PID Microprocessor controlled temperature selection
 - Large LED Display
 - Blocks are interchangeable between Analog and Digital Models
 - "Set it and forget it" convenience Superb temperature stability
 - Supplied with block extractor rod



INCUBATOR, DRY HEAT
PART # 113002
NSN 6640015647932



INCUBATOR BLOCKS
PART # 110013
110013 only is included with Incubator



**HEATER BLOCK, 13MM 20 TUBES
PART # 110013
NSN 6640015695500**

INCUBATOR, DRY HEAT
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS

Item Dimensions	Height (Inches)	3.5
	Width (Inches)	8
	Length (Inches)	9.8
	Cube (Cubic Feet)	0.1588
	Weight	5
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	5
Storage Temp		
Operating Temp		0.1°C to 120°C
Storage Humidity		
Operating Humidity		
Amps		1.74
Watts		200
Power Requirements	115 VAC 50/60Hz	
Notes	Uniformity +/- 0.25° @ 37°C	

**INCUBATOR, DRY HEAT
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Boekel Scientific	DIST PN GSS Inc.	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640015647932		Incubator, Dry Heat		113002	1	EA	\$735.40	\$735.40	N/A
6640015695500		Heater Block, 13mm 20 Tube	110013		2	EA	Incl w/NSN 7932	Incl w/NSN 7932	N/A

**INCUBATOR, DRY HEAT
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Boekel Scientific	DIST PN GSS Inc.	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640015695500		Heater Block, 13mm 20 Tube	110013		2	EA	\$66.47	\$132.94	N/A

REFRIGERATOR MECHANICAL BLOOD BANK

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MANUFACTURER: THERMOFISHER

Manufacturer Model# REB3004A

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

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

Item Web Link:

<http://www.thermoscientific.com/wps/portal/ts/products/detail?productId=11953074&groupType=PRODUCT&searchType=0>

AAC 'J' ITEM NSN 4110-01-422-6809

UA's: 504B, N704

USAMMA POC: Customer Relations Management 301-619-4301/6901 - DSN 343-4301/6901

UNIT PRICE: \$12,040.00

System Description: Blood bank refrigerators are designed to maintain 39° F operating temperature with excellent temperature uniformity, fast recovery after door openings, and quick response to increased blood load.

Features:

- All models include standard high/low alarm, alarm and probe testing, and temperature monitoring and chart systems for permanent records
- Automatic defrost function, microprocessor controlled
- Adjustable temp control, range 34° F to 46° F, factory pre-set to 39° F
- Set point security with key-operated triple-position master switch controls power to all systems for added safety
- Audible/visual warnings for door ajar, low alarm battery, system maintenance and power failure
- Alarm set points factory pre-set to warn of temperature deviation at 42° F or 35° F
- A graphic thermometer glows green for normal operation. Top bar flashes if temperature exceeds set point parameters, lower bulb flashes during under temperature condition
- Defrost sensor manages automatic defrost cycle, minimizes trace amounts of frost build-up, and maintains refrigeration coil efficiency for most economical, responsive performance
- Standard alarm silence, ring back and automatic reset functions
- Convenient push button alarm test with battery back-up to assure system readiness. Remote alarm contacts standard on all models



REFRIGERATOR MECHANICAL COMMERCIAL, BLOOD BANK
PART # REB3004A
NSN 4110014226809

**REFRIGERATOR MECHANICAL BLOOD BANK
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	77.5
	Width (Inches)	34
	Length (Inches)	36.2
	Cube (Cubic Feet)	55.2008
	Weight	
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	505 Lbs
Storage Temp		
Operating Temp		65° F to 85° F
Storage Humidity		
Operating Humidity		Less than 85% Non-Condensing
Amps		9.4
Watts		1081
Power Requirements	115 VAC 60 Hz	
Notes	Chart Recorder Paper Temperature Range: -175° F to 122° F	

**REFRIGERATOR MECHANICAL BLOOD BANK
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN ThermoFisher	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
4110014226809		Refrigerator Mechanical Blood Bank	REB3004A		1	EA	\$12,040.00	\$12,040.00	N/A
6640013845768		Chart Recorder Paper	6184		1	50/PG	Incl w/NSN 6809	Incl w/NSN 6809	N/A
7610005437003		Literature, Operator	34830H51		1	EA	Incl w/NSN 6809	Incl w/NSN 6809	N/A

**REFRIGERATOR MECHANICAL BLOOD BANK
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN ThermoFisher	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640013845768		Chart Recorder Paper	6184		1	50/PG	\$38.00	\$38.00	N/A
7610005436723	Not Incl w/NSN	Literature, Medical Maintenance	313398H02		1	EA	\$46.00	\$46.00	N/A

**REFRIGERATOR MECHANICAL BLOOD BANK
WEB LINKS**

[Click Below for Manual Available Online](#)

<http://www.thermoscientific.com/ecom/servlet/techresource?storeId=11152&langId=-1&taxonomy=4&resourceId=94569&contentType=User+Manuals&productId=11953074#>

REFRIGERATOR SOLID STATE BIO

[TOC](#)

MANUFACTURER: DOUBLEDAY ACQUISITIONS

Manufacturer Model# HMC-MIL-1

Manufacturer's PHONE: (937) 312-0114 FAX: (937) 312-1277

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

Item Web Link:

<http://acutemp.com/products/acutemp-ax56l-mobile-refrigeratorfreezer>

AAC 'L' ITEM NSN 4110-01-506-0895

UA's: 009A, 107C, 207A, 213B, 220B, 263C, 267B, 504B, 912B, N503, N504, N703, N704, P302

**USAMMA POC: Customer Relations Management 301-619-4301/6901 - DSN 343-4301/6901
UNIT PRICE: \$5,560.00**

System Description: The Refrigerator Solid State Bio (AcuTemp AX56L) mobile temperature management unit is designed to safely store and transport temperature sensitive blood, plasma, vaccines and other pharmaceutical and biotech products under the harshest environmental conditions. This versatile system precisely maintains payload temperatures with dual setting capability for 4°C (refrigeration) or -22°C (freezer) operation. Its ergonomic, rugged design makes the AcuTemp AX56L ideal for delivering lifesaving medical supplies quickly and safely to the point of need, whether in a mobile hospital or in the battlefield. The AcuTemp AX56L is designed to meet stringent military specifications including MIL-STD 810F and MIL-STD 461E.

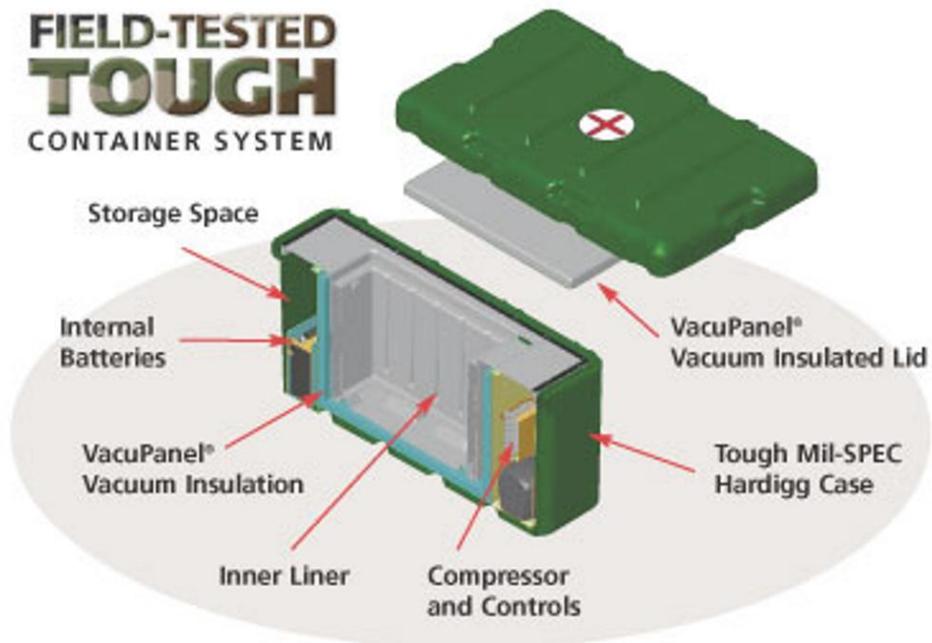
Features:

- Precise temperature control under adverse conditions
- Easily transportable
- Can run on a variety of power sources including AC, DC, onboard batteries, and solar array
- Rugged design for demanding applications
- Available with Sled Rails, Wheels, or Skis



REFRIGERATOR SOLID STATE BIO
PART # HMC-MIL-1
NSN 4110015060895

**FIELD-TESTED
TOUGH**
CONTAINER SYSTEM



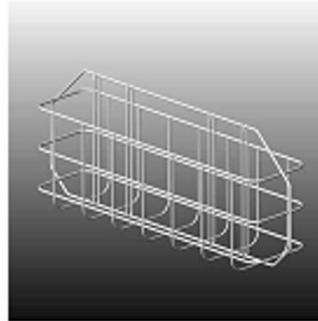
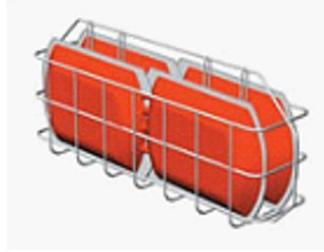
REFRIGERATOR SOLID STATE BIO DIAGRAM



REFRIGERATOR SOLID STATE BIO IN ACTION



REFRIGERATOR SOLID STATE BIO IN ACTION



**BLOOD BAG BASKET
PART # 100000**



**REFRIGERATOR SOLID STATE BIO SHOWN WITH PLASMA
PART # HMC-MIL-1**



REFRIGERATOR SOLID STATE BIO CONTROL PANEL



**REFRIGERATOR SOLID STATE BIO SHOWN WITH VACCINE
PART # HMC-MIL-1**

**REFRIGERATOR SOLID STATE BIO
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	21.8
	Width (Inches)	21
	Length (Inches)	37.5
	Cube (Cubic Feet)	9.9349
	Weight	145 lbs.
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	
Storage Temp		-22°F to 149°F (-30°C to 65°C)
Operating Temp		-4°F to 120°F (-20°C to 49°C)
Storage Humidity		
Operating Humidity		
Amps		0.55
Watts		55
Power Requirements	100/240 Volts AC, 46/63 Hz Battery (set of 2) - 12/24 VDC Internal 40 amp-hour	
Notes	Payload Dimensions Height: 13 inches Width: 14 inches Length: 18 inches Payload Volume 2 cu ft (56.6 liters) Storage Capacity 40 x 450ml or 60 x 250ml units	

**REFRIGERATOR SOLID STATE BIO
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Doubleday Acquisition s	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
4110015060895		Refrigerator Solid State Bio	HMC-MIL- 1		1	EA	\$5,560.00	\$5,560.00	N/A
	See Resupply For NSN	Battery Gel	101880		2	EA	Incl w/NSN 0895	Incl w/NSN 0895	N/A
	See Resupply for NSN	Blood Basket	100000		10	EA	Incl w/NSN 0895	Incl w/NSN 0895	N/A
4110015188542		AC Power Cord	VXC-1-06		1	EA	Incl w/NSN 0895	Incl w/NSN 0895	N/A
6150015121007		DC Power Cord	100003		1	EA	Incl w/NSN 0895	Incl w/NSN 0895	N/A
7610005436723		Literature, Medical Maintenance	102011		1	EA	Incl w/NSN 0895	Incl w/NSN 0895	N/A
7610005437003		Literature, Manual	102010		1	EA	Incl w/NSN 0895	Incl w/NSN 0895	N/A

**REFRIGERATOR SOLID STATE BIO
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Doubleday Acquisition s	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
4110015188252		Battery Gel	101880		1	EA	\$60.00	\$60.00	N/A
4110015188542		AC Power Cord	VXC-1-06		1	EA	\$16.00	\$16.00	N/A
6150015121007		DC Power Cord	100003		1	EA	\$87.00	\$87.00	N/A
6515015130792		Blood Basket	100000		1	EA	\$16.44	\$16.44	N/A
7610005436723		Literature, Medical Maintenance	102011		1	EA	\$15.00	\$15.00	N/A
7610005437003		Literature, Manual	102010		1	EA	\$15.00	\$15.00	N/A

REFRIGERATOR SOLID STATE BIO

ITEM TABLES

Features and Benefits

Features	Benefits
Dual operating modes for 4°C and -22°C operation	Ideal for both blood or plasma storage and transport
Multiple power source options are built into a single design and include grid, battery and solar array	Versatility to operate globally via any power source
Rugged, military spec design	Eliminates ingress of water and dirt and won't fail under the duress of military transportation
Built with ThermoCor® high performance insulation	AcuTemp AX56L can maintain internal temperatures at required levels for up to 48 hours with internal batteries only
High payload volume	Two cubic feet of payload volume (can store 60 250 ml units or 40 450 ml units of blood)
Data logging with RS232 and IR data port capability	Internal temperatures are continuously logged to ensure payload integrity; flexible data export options meet varying data capture requirements
LCD display	Highly visible LCD display shows internal temperature, battery condition and data log information for assured payload integrity

Specifications

Specifications	Value
Payload Volume	56.6 liters (2 ft³)
Payload Bay Dimensions	33.0 cm H x 35.6 cm W x 45.7 cm L (13 in H x 14 in W x 18 in L)
External Dimensions	55.4 cm H x 53.3 cm W x 95.2 cm L (21.8 in H x 21 in W x 37.5 in L)
Empty Weight	64.5 kg (142 lb)
Payload Capacity	40 x 450 ml units or 60 x 250 ml units

ROTATOR LABORATORY

TOC

MANUFACTURER: BARNSTEAD THERMOLYNE CORP

Manufacturer Model# 2314Q

Manufacturer's PHONE: (563) 556-2241 FAX: (563) 589-0516

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

Item Web Link:

<http://www.fishersci.com/ecom/servlet/fsproductdetail?storeId=10652&productId=4481348&catalogId=29104&matchedCatNo=1167152Q&endecaSearchQuery=%23store%3DScientific%23N%3D0%23rpp%3D15&fromSearch=1&searchKey=2314Q&highlightProductsItemsFlag=Y>

AAC 'L' ITEM NSN 6640-01-532-0227

UA's: 211B, 212B, 504B, N403, N503, N703

USAMMA POC: Customer Relations Management 301-619-4301/6901 - DSN 343-4301/6901

UNIT PRICE: \$884.00

System Description: Designed to provide long life and dependable service in a variety of applications, particularly molecular biology, immunology and clinical usage. Ideal for general rotation of many types and sizes of vessels including plastic/glass trays, vials, petri dishes, microwell plates, culture plates, slides, test tubes and agglutination cards. Variable speed, rotates from 40 to 220 rpm for gentle to vigorous agitation, adjustable with a rotary dial. Platforms with non-slip surface mats. Operate rotator in continuous mode or set timer from 1 to 60 minutes for time studies. Continuous-duty motor provides smooth, quiet rotation through a 0.75" (1.9 cm) orbit. Easy-to-clean white silicone platform mat can be autoclaved. Units operate continuously enabling them to be used in a variety of environments such as incubators, warm rooms, environmental chambers and refrigerators. Accommodates loads up to 10 Lbs. (4.5 kg).



ROTATOR LABORATORY
PART # 2314Q
NSN 6640015320227

**ROTATOR LABORATORY
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	4.25
	Width (Inches)	12.25
	Length (Inches)	15.6
	Cube (Cubic Feet)	0.47
	Weight	17 lbs.
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	
Storage Temp		59° F to 104° F
Operating Temp		39.2° F to 104° F
Storage Humidity		80% Max. Non-Condensing
Operating Humidity		20 to 80% Non-Condensing
Amps		0.4
Watts		50
Power Requirements	120VAC 50/60HZ	
Notes		

**ROTATOR LABORATORY
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Barnstead Thermolyn e Corp	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640015320227		Rotator Laboratory	2314Q		1	EA	\$884.00	\$884.00	N/A
7610015437003		Literature, Manual	057-325-00		1	EA	Incl w/NSN 0227	Incl w/NSN 0227	N/A

**ROTATOR LABORATORY
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Barnstead Thermolyn e Corp	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
7610015437003		Literature, Manual	057-325-00		1	EA	\$30.00	\$30.00	N/A

SEALING MACHINE, ELECTRONIC TUBE

TOC

DISTRIBUTOR: BAXTER HEALTHCARE CORP

MANUFACTURER: SEBRA

Manufacturer Model# 4R4341

Distributor's PHONE: (847) 948-4770 FAX: (847) 948-3642

Manufacturer's PHONE: (781) 848-7100 FAX: (781) 356-9924

Distributor's Website: <http://www.baxter.com>

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

AAC 'J' ITEM NSN 3540-01-514-2241

UA's: 504B, N704

USAMMA POC: Customer Relations Management 301-619-4301/6901 - DSN 343-4301/6901

UNIT PRICE: \$3,315.26

System Description: The Hematron Seal-Rite is an ergonomically friendly bench top tube sealer, which incorporates an angled, low to work surface and integrated sealing head in the creation of snap-apart hermetic seals.



SEALING MACHINE, ELECTRONIC TUBE
PART # 4R4341
NSN 3540015142241

**SEALING MACHINE, ELECTRONIC TUBE
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	8.2
	Width (Inches)	12.6
	Length (Inches)	7.7
	Cube (Cubic Feet)	0.4604
	Weight	12.6 lbs.
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	16 lbs.
Storage Temp		
Operating Temp		39.2° F to 100.4° F
Storage Humidity		
Operating Humidity		
Amps		0.43
Watts		50
Power Requirements	115 VAC 60 Hz	
Notes	Humidity: 80% for temperatures up to 87.8° F decreasing linearly to 50% relative humidity at 100° F	

**SEALING MACHINE, ELECTRONIC TUBE
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Sebra	DIST PN Baxter Healthcare Corp	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
3540015142241		Sealing Machine, Electronic Tube		4R4341	1	EA	\$3,315.26	\$3,315.26	N/A
	See Resupply	Splash Guards	1080006		1	6/PG	Incl w/NSN 2241	Incl w/NSN 2241	N/A
6640015574268		Power Cord	25900001		1	EA	Incl w/NSN 2241	Incl w/NSN 2241	N/A
7610005437003		Literature, Operator	24650812- 00		1	EA	Incl w/NSN 2241	Incl w/NSN 2241	N/A

**SEALING MACHINE, ELECTRONIC TUBE
ITEMS FOUND IN THE UNIT ASSEMBLAGE SUPPORTING THIS ITEM**

NSN	Notes	Nomenclature	MFR PN Sebra	DIST PN Baxter Healthcare Corp	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6515014331250		Blood Collecting & Dispensing Bag c/o 450x1150	1BB-TCD 456A4		2	30/PG	\$426.57	\$853.14	18
6640011494117	In the UA	Stand Transfer Blood Collecting Bag	ACS-201		2	EA	\$114.23	\$228.46	N/A

**SEALING MACHINE, ELECTRONIC TUBE
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Sebra	DIST PN Baxter Healthcare Corp	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6515014331250		Blood Collecting & Dispensing Bag c/o 450x1150	1BB-TCD 456A4		1	30/PG	\$426.57	\$426.57	18
6640011494117		Stand Transfer Blood Collecting Bag	ACS-201		1	EA	\$114.23	\$114.23	N/A
6640015574268		Power Cord	25900001		1	EA	\$16.90	\$16.90	N/A
6640015574746		Splash Guards	1080006		1	50/PG	\$50.00	\$50.00	N/A
7610005437003		Literature, Operator	24650812- 00		1	EA	\$30.00	\$30.00	N/A

SHIPPING AND STORAGE CONTAINER

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MANUFACTURER: AAR MANUFACTURING, INC.

Manufacturer Model# 50148-001

Manufacturer's PHONE: (231) 779-4808 FAX: (231) 779-4804

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

Item Web Link:

http://www.aarcorp.com/gov/Mobility/Containers/containers_specialty.htm

AAC 'J' ITEM NSN 8145-01-325-2243

UA's: 504B

USAMMA POC: Customer Relations Management 301-619-4301/6901 - DSN 343-4301/6901

UNIT PRICE: \$46,247.30

System Description: The ISU-96RC is an air transport certifiable self-contained refrigerator container for storage of temperature sensitive and perishable items.

AAR's refrigerated container maintains temperature even while in transport with the specifically designed diesel/electric refrigerator system.

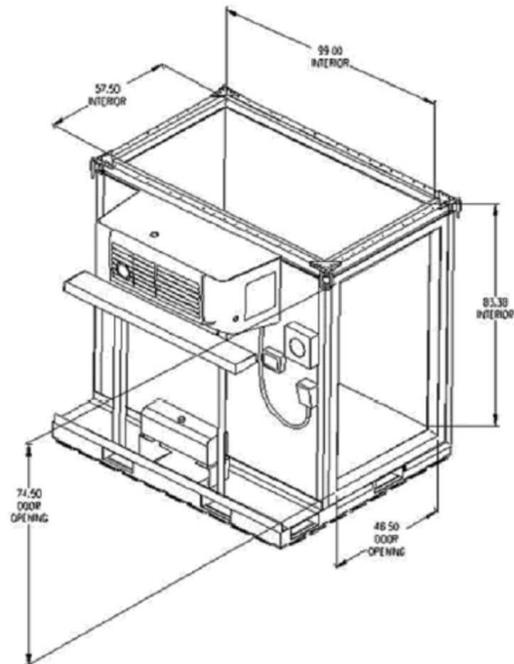
This container has been proven deployment tough with the world's military and peacekeeping forces. Diesel and electric powered.

- Features:**
- Temperature data recorder with dual thermal seals
 - Designed to meet FDA requirements
 - Operates on integral diesel refrigeration unit or 208/230 volt three phase power
 - Interior light
 - Start/stop operation to maintain temperature and conserve fuel
 - Helicopter sling certifiable
 - Refrigerant R404A
 - Aircraft certifiable
 - o C-130 fore and aft of wheel well
 - o KC-10/MD-11 (centerline only)
 - o Numerous commercial aircrafts

NOTE: Diesel and Electric Powered



SHIPPING AND STORAGE CONTAINER, MISCELLANEOUS EQUIPMENT RECTANGULAR INSULATED
PART # 50148-001
NSN 8145013252243



SHIPPING AND STORAGE CONTAINER, MISCELLANEOUS EQUIPMENT RECTANGULAR INSULATED
PART # 50148-001

**SHIPPING AND STORAGE CONTAINER
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	96
	Width (Inches)	88
	Length (Inches)	108
	Cube (Cubic Feet)	528
	Weight	3,250 lbs.
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	
Storage Temp		-30° F to 160° F
Operating Temp		-20° F to 120° F
Storage Humidity		
Operating Humidity		
Amps		30
Watts		6240
Power Requirements	208/230 VAC 3 phase 60 Hz	
Notes	Payload: 6,750 lbs. Interior Cube: 260 cu. ft. Temperature Range: -22° F to 86° F	

**SHIPPING AND STORAGE CONTAINER
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN AAR Manufactur ing, Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
8145013252243		Shipping and Storage Container	50148-001		1	EA	\$46,247.30	\$46,247.30	N/A
		86075-010 Manual Tropical Product Trans USDA No 668	86075-010		1	EA	Incl w/NSN 2243	Incl w/NSN 2243	N/A
	See Resupply	Chart Recorder Paper 8" - 30° F – 170 F° 7 day 100 Sheets	150201		20	EA	Incl w/NSN 2243	Incl w/NSN 2243	N/A
	See Resupply	Light Bulb 100 Watt Rough Service			1	EA	Incl w/NSN 2243	Incl w/NSN 2243	N/A
	No NSN Required	Manual Parts Reefer Container Thermo King SDZ	86075-034		1	EA	Incl w/NSN 2243	Incl w/NSN 2243	N/A
	No NSN Required	Manual Protect Perishable Food Dept Of Agriculture 669	86075-011		1	EA	Incl w/NSN 2243	Incl w/NSN 2243	N/A
6140015582045		12 Volt Battery 650 CCA Post Type	86032015		1	EA	Incl w/NSN 2243	Incl w/NSN 2243	N/A
7610005436723		Literature, Medical Maintenance	86075-028		1	EA	Incl w/NSN 2243	Incl w/NSN 2243	N/A
7610015437003		Directory Dealer Service US Thermo King	86075-039		1	EA	Incl w/NSN 2243	Incl w/NSN 2243	N/A

**SHIPPING AND STORAGE CONTAINER
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN AAR Manufactur ing, Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
		86075-010 Manual Tropical Product Trans USDA No 668	86075-010		1	EA	\$7.50	\$7.50	N/A
	No NSN Required	Manual Parts Reefer Container Thermo King SDZ	86075-034		1	EA	\$25.00	\$25.00	N/A
	No NSN Required	Manual Protect Perishable Food Dept Of Agriculture 669	86075-011		1	EA	\$7.50	\$7.50	N/A
	Request VIA E- Mail No NSN Required	Manual Technical ISU 96 RC Thermo King SDZ	86075-030		1	EA	\$0.00	\$0.00	N/A
6140015582045		12 Volt Battery 650 CCA Post Type	86032015		1	EA	\$219.97	\$219.97	N/A
6200002465052		Light Bulb 100 Watt Rough Service	6172		1	EA	\$0.66	\$0.66	N/A
7530015585026		Chart Recorder Paper 8" - 30° F – 170 F° 7 day 100 Sheets	150201		1	100/PG	\$28.00	\$28.00	N/A
7610005436723		Literature, Medical Maintenance	86075-028		1	EA	\$75.00	\$75.00	N/A
7610015437003		Directory Dealer Service US Thermo King	86075-039		1	EA	\$7.50	\$7.50	N/A

VIEWER AGGLUTINATION

[TOC](#)

DISTRIBUTOR: CARDINAL HEALTH
MANUFACTURER: BECTON DICKINSON AND COMP
Distributor Model# L6045-1A
Manufacturer Model# 430630
Distributor's PHONE: (614) 757-5000 FAX: (847) 689-1742
Manufacturer's PHONE: (410) 316-4000 FAX: (410) 316-4732
Distributor's Website: <http://www.cardinal.com>
Manufacturer's Website: <http://www.bd.com/>

Item Web Link:

<http://www.bd.com/ds/productCenter/420630.asp>

AAC 'Y' ITEM NSN 6640-01-500-8779

UA's: 263C, 504B, N504, N704

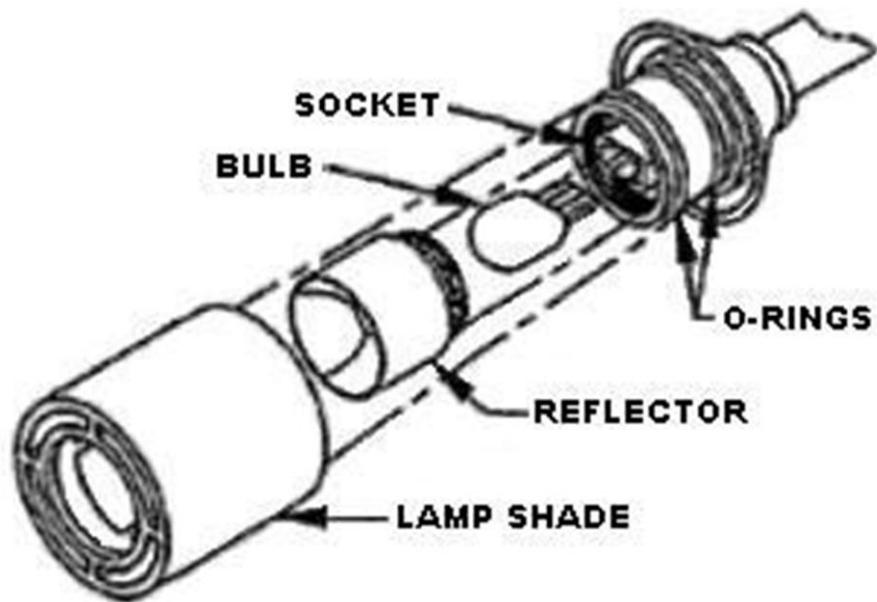
USAMMA POC: Customer Relations Management 301-619-4301/6901 - DSN 343-4301/6901
UNIT PRICE: \$487.02

System Description: Use this test tube viewer for blood typing, cross matching, prothrombin time, Kahn and other agglutinations, flocculation and serodiagnostic tests. Viewer provides a magnified view of the undersurface of test tube contents and permits an easier and more accurate reading than a magnifying lens. Test tube contents are illuminated from above by a 5 watt bulb and from below by a magnifying mirror. Complete with bulb and magnifying mirror. (Positions of both lamp and mirror are adjustable.)

NOTE: Power Pack and operating/service manuals can not be ordered separately but are supplied with Agglutination Viewer.



VIEWER AGGLUTINATION TEST TUBE
PART # L6045-1A
NSN 6640015008779



VIEW AGGLUTINATION TEST TUBE BULB
PART # L6045-5A

**VIEWER AGGLUTINATION
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	14
	Width (Inches)	4.5
	Length (Inches)	7
	Cube (Cubic Feet)	0.2552
	Weight	2.5 lbs.
Ship Dimensions	Height (Inches)	5.6
	Width (Inches)	8.25
	Length (Inches)	9.45
	Cube (Cubic Feet)	0.2527
	Weight	3.22 lbs.
Storage Temp	-4° F to 149° F	
Operating Temp	64.4° F to 91.4° F	
Storage Humidity	20% to 85% Non-condensing	
Operating Humidity	20% to 85% Non-condensing	
Amps	500 mA	
Watts	6	
Power Requirements	12 VAC 50/60 Hz	
Notes		

**VIEWER AGGLUTINATION
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Becton Dickinson and Comp	DIST PN Cardinal Health	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640015008779		Viewer Agglutination			1	EA	\$487.02	\$487.02	N/A
6515015085992		Mirror Assembly	421485		1	EA	Incl w/NSN 8779	Incl w/NSN 8779	N/A
7610005437003		Literature, Operator/Maintenance	MA-0129- A		1	EA	Incl w/NSN 8779	Incl w/NSN 8779	N/A
NSN Not Available		Power Pack	421486		1	EA	Incl w/NSN 8779	Incl w/NSN 8779	N/A
See Resupply		Bulb 115V, 5W		L6045-5A	1	EA	Incl w/NSN 8779	Incl w/NSN 8779	N/A

**VIEWER AGGLUTINATION
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Becton Dickinson and Comp	DIST PN Cardinal Health	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6240014866247		Bulb 115V, 5W	421484	L6045-5A	1	2/PG	\$26.96	\$26.96	N/A
6515015085992		Mirror Assembly	421485		1	EA	\$117.75	\$117.75	N/A

