



**VETERINARY
EQUIPMENT SET
SERVICE FIELD**

**Support and Consumables
Handbook**

6545-01-508-7000

UA 914A

LIN Z63873

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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,
Equipment Publications 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-ACD-AP

693 Neiman Street

Fort Detrick, MD 21702-5001

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<http://www.usamma.army.mil/assets/docs/Master%20Table%20of%20Contents.pdf>

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ANALYZER LIQUID SCINTILLATION

TOC

MANUFACTURER: CHARM SCIENCES INC.

Manufacturer Model# 7600 SYSTEM

Manufacturer's PHONE: (978) 687-9200 FAX: (978) 687-9216

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

AAC 'J' ITEM NSN 6640-01-495-3965

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

UNIT PRICE: \$32,827.88

System Description: The Analyzer Liquid Scintillation is a rapid, quantitative testing system for antibiotics, aflatoxins, pesticides, ATP hygiene, pasteurization and more. It has the capacity to do 1 sample at a time for one or more families. Automated print out of date, control point, assay type, sample ID, result programmable display with multiple program functions. It has liquid scintillation counters. It uses C2 soft software to directly link computer with the Charm II Analyzer for SIMP date and analysis.

NOTE: SOFTWARE-C2 is typically not included with the system and is purchased separately however we included with the initial equipment order.

If the item needs to be ordered in the future, it should be purchased separately.



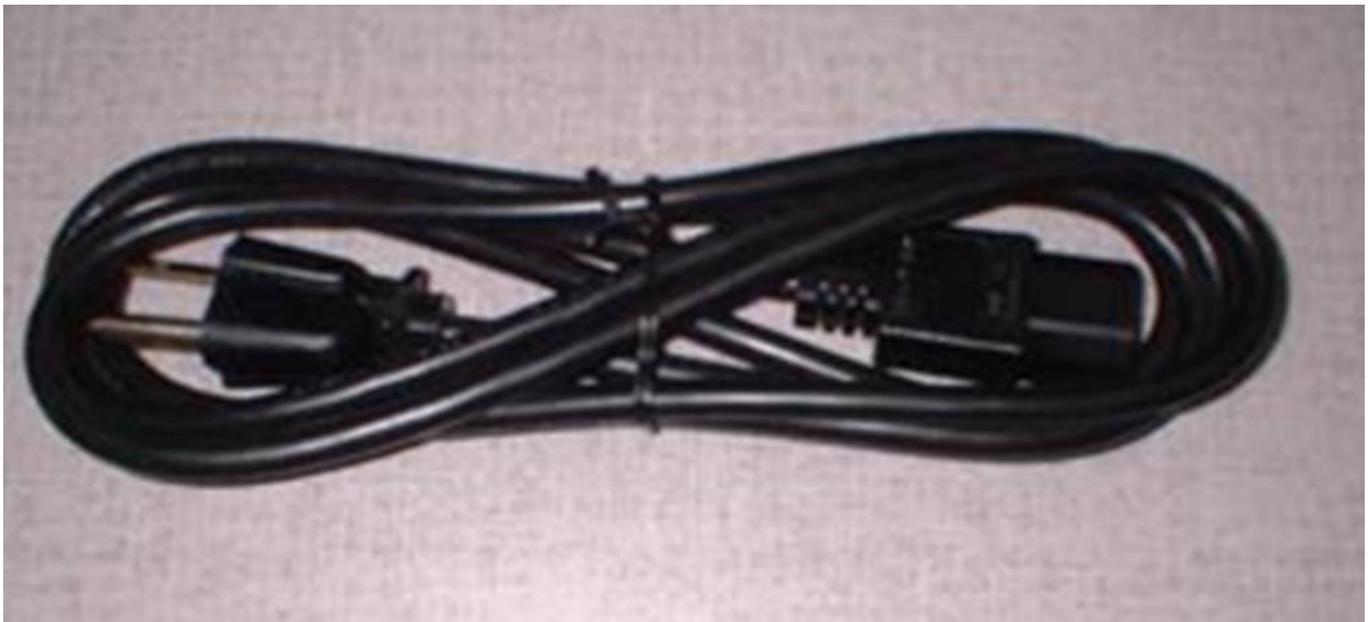
**ANALYZER LIQUID SCINTILLATION
PART # 7600 System
NSN 6640014953965**



ANALYZER LIQUID SCINTILLATION - CHARM ITEM CODE 6600-ANA



COMP CABLE - CHARM ITEM CODE C2-COMPAK



POWER CABLE - CHARM ITEM CODE 135-0050



CHARM II PRINTER - CHARM ITEM CODE PRN-CHARM2



PRINTER, SER-32 COLUMN-110 VOLT CABLE - CHARM ITEM CODE C2-PRINTCABLE



INCUBATOR, INTRONIC 2 (110 VOLTS) - CHARM ITEM CODE INC-110-24



ROTOFIX 32
benchtop centrifuge
Dimensions:
HxWxD 261 x 368 x 437 mm
Cat. No. **1205**

7600 CENTRIFUGE - CHARM ITEM CODE CEN-7600



MEAT GRINDER EXTRACTOR - CHARM ITEM CODE BLENDER-110V



HEAT BLOCK LARGE WELL - 110 VOLT - CHARM ITEM CODE- INCBLK-110-LG



**WORKSTATION-MAXI MIX II 120V
PART # WS-PREPMOD-6600**



PIPETTE, FINN DIGITAL - CHARM ITEM CODE PIP-1-5ML

**ANALYZER LIQUID SCINTILLATION
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	12.5
	Width (Inches)	20.5
	Length (Inches)	13
	Cube (Cubic Feet)	1.9278
	Weight	36 lbs.
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	
Storage Temp		14° F to -122° F
Operating Temp		39° F to -104 ° F
Storage Humidity		10% to 85% Non-Condensing
Operating Humidity		10% to 85% Non-Condensing
Amps		0.57 depending on voltage
Watts		75
Power Requirements	110/220 volts, 50/60 Hz.	
Notes		

**ANALYZER LIQUID SCINTILLATION
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Charm Sciences Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640014953965		Analyzer Liquid Scintillation	7600 System		1	EA	\$32,827.88	\$32,827.88	N/A
	No NSN Required	Cable, Printer SER/32 Column	C2- PRINTCA BLE		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
	No NSN Required	Computer Cable/9 to 25 Pin Adapter	C2- COMPAK		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
	Awaiting NSN	Graduated Cylinder 100ML	GRAD- CYL- 100ML		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
	JCN # 6640NCM07138 9	Inctronic Dbl Heat Block 110V	INC-110- 24		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
	No NSN Required	Operation Manual			2	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
	No NSN Required	Pens, Marking	MARKER- PEN		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
	JCN #6640NCM0713 95	Pipet 10 ML (PKG/50)	PIP-10ML		1	50/PG	Incl w/NSN 3965	Incl w/NSN 3965	N/A
	JCN # 6640NCM07139 9	Pipette Pump-Green 10ML	PIPETTEP UMP		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
	No NSN Required	Power Cord	135-0050		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
	JCN # 6640NCM07138 8	Printer/SER/32 Column	PRN- CHARM2		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
	No NSN Required	Scissors 7 ½ inches	SCISSORS		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
	No NSN Required	Service Manual			2	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
6640015510986		Centrifuge, #426, 110V, INC. Accessories	CEN-7600		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
6640015511273		Prep Module 6600 (mmII, hldrs, w-cont)	WS- PREPMOD -6600		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
6640015511374		Power Regulator-110V	PWR- COND- 110V		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
6640015512787		Dispenser, 3ML for Optifluor	DISP-3ML		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
6640015513362		Therm/12in/-20 to 100C/0.5 Increments	THERM- NON- CERT		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
6640015513457		Meat Grinder/Extractor 110V	BLENDER -110V		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
6640015513478		Timer w/Clip & Magnet	TIMER- WB		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
6640015513517		Tablet Push Rod	TPR		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
6640015515505		Heating Block Large Well 110V	INCBLK- 110-LG		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A

ACCESSORIES & CONSUMABLES - STARTUP

NSN	Notes	Nomenclature	MFR PN Charm Sciences Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640015535006		Pipetter/300UL Fixed/1 Stop w/Ejector	PIP- 300UL- 1STOP		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
6640015535008		Test Tube Rack- 80 place	RACK- TST-80		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
6640015537733		Pipetter, Finn Digital to 5 ML	PIP-1-5ML		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
6640015537763		Test Tube Rack-ACRY/12 Places	RACK- TST-12		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A
6640015537829		Centrifuge Rack/50ML	RACK- 50ML		1	EA	Incl w/NSN 3965	Incl w/NSN 3965	N/A

ANALYZER LIQUID SCINTILLATION

ITEMS FOUND IN THE UNIT ASSEMBLAGE SUPPORTING THIS ITEM

NSN	Notes	Nomenclature	MFR PN Charm Sciences Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6550014547577		ATP Positive Control Tablets	ATP-POS- 20		1	20/PG	\$60.00	\$60.00	6
6650014546878		ATP Positive Control Tablets Somatic Cell Test	ATP-POS- SOMALT		1	5/PG	\$32.50	\$32.50	6

ANALYZER LIQUID SCINTILLATION

ACCESSORIES & CONSUMABLES - RESUPPLY

NSN	Notes	Nomenclature	MFR PN Charm Sciences Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
	Awaiting NSN	Graduated Cylinder 100ML	GRAD- CYL- 100ML		1	EA	\$15.00	\$15.00	N/A
	JCN # 6640NCM07138 9	Inctronic Dbl Heat Block 110V	INC-110- 24		1	EA	\$1,100.00	\$1,100.00	N/A
	JCN #6640NCM0713 95	Pipet 10 ML (PKG/50)	PIP-10ML		1	50/PG	\$30.00	\$30.00	N/A
	JCN # 6640NCM07139 9	Pipette Pump-Green 10ML	PIPETTEP UMP		1	EA	\$20.00	\$20.00	N/A
	No NSN Required	Power Cord	135-0050		1	EA	\$0.00	\$0.00	N/A
	JCN # 6640NCM07138 8	Printer/SER/32 Column	PRN- CHARM2		1	EA	\$360.00	\$360.00	N/A
6550014547577		ATP Positive Control Tablets	ATP-POS- 20		1	20/PG	\$60.00	\$60.00	6
6640015510986		Centrifuge, #426, 110V, INC. Accessories	CEN-7600		1	EA	\$3,175.00	\$3,175.00	N/A

ACCESSORIES & CONSUMABLES - RESUPPLY

NSN	Notes	Nomenclature	MFR PN Charm Sciences Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640015511273		Prep Module 6600 (mmII, hldrs, w-cont)	WS- PREPMOD -6600		1	EA	\$600.00	\$600.00	N/A
6640015511374		Power Regulator-110V	PWR- COND- 110V		1	EA	\$250.00	\$250.00	N/A
6640015512787		Dispenser, 3ML for Optifluor	DISP-3ML		1	EA	\$130.00	\$130.00	N/A
6640015513362		Therm/12in/-20 to 100C/0.5 Increments	THERM- NON- CERT		1	EA	\$30.00	\$30.00	N/A
6640015513457		Meat Grinder/Extractor 110V	BLENDER -110V		1	EA	\$80.00	\$80.00	N/A
6640015513478		Timer w/Clip & Magnet	TIMER- WB		1	EA	\$20.00	\$20.00	N/A
6640015513517		Tablet Push Rod	TPR		1	EA	\$20.00	\$20.00	N/A
6640015515505		Heating Block Large Well 110V	INCBLK- 110-LG		1	EA	\$250.00	\$250.00	N/A
6640015535006		Pipetter/300UL Fixed/1 Stop w/Ejector	PIP- 300UL- 1STOP		1	EA	\$160.00	\$160.00	N/A
6640015535008		Test Tube Rack- 80 place	RACK- TST-80		1	EA	\$30.00	\$30.00	N/A
6640015537733		Pipetter, Finn Digital to 5 ML	PIP-1-5ML		1	EA	\$225.00	\$225.00	N/A
6640015537763		Test Tube Rack-ACRY/12 Places	RACK- TST-12		1	EA	\$35.00	\$35.00	N/A
6640015537829		Centrifuge Rack/50ML	RACK- 50ML		1	EA	\$30.00	\$30.00	N/A
6640015537854	Not Included with NSN	Charm II Data Collection System	SOFTWARE E-C2		1	EA	\$395.00	\$395.00	N/A
6650014546878		ATP Positive Control Tablets Somatic Cell Test	ATP-POS- SOMALT		1	5/PG	\$32.50	\$32.50	6

DISTRIBUTOR: WEBER SCIENTIFIC**MANUFACTURER: OHAUS CORP****Manufacturer Model# 1067-14****Distributor's PHONE: (609) 584-1055 FAX: (609) 584-8388****Manufacturer's PHONE: (973) 377-9000 FAX: (973) 944-7030****Distributor's Website: <http://www.weberscientific.com>****Manufacturer's Website: <http://www.ohaus.com>****Item Web Link:****<http://www.weberscientific.com/Product.php?SubCat=39&SubSubCat=1501&SubSubSubCat=410>****AAC 'L' ITEM NSN 6640-01-454-9198****UA's: 910B, 913B, 914B****USAMMA POC: Customer Relations Management 301-619-4301/6901 - DSN 343-4301/6901****UNIT PRICE: \$743.28**

System Description: Built with a large stainless steel weighing platform, mechanical and software overload/underload protection, an integrated security bracket, weigh below hook and has a standard protective in-use cover. Software features include a stability indicator, a low battery indicator, selectable span calibration points, auto tare, selectable printing options, selectable communications settings, selectable data print options, definable project & user ID's, a software reset menu and a software lockout menu.

Features:

- Selectable Environmental Settings
- Parts Counting with Optimization Mode – This mode allows the user to count based on a calculated piece weight. With optimization, counting accuracy is improved through auto re-calculation of the piece weight
- Percentage Mode – This mode allows the user to display the weight of a sample as a percentage of a reference weight
- Check Weighing Mode – This mode allows the user to check the weight of a sample against a preset target
- Totalization Mode – This mode allows the user to sum a series of sample weights
- Display Hold Mode – This mode allows the user to hold the highest stable weight on the display until cleared
- Multiple Weighing Units
- RS232 Interface with GLP Data Output
- 2- line alphanumeric LCD with brilliant backlight.
- Four-button keypad with dedicated YES, NO, BACK and EXIT functions simplify menu navigation and balance set-up
- SmarText™ Software Guides Users Through Balance Use
- SmarText™ is Ohaus' easy to use balance software that utilizes text prompts to guide users through application use and balance setup. Delivered through a 2-line backlit LCD and clearly marked buttons, SmarText™ tells you what is going on and what you have to do next
- Utilizing the 2-line LCD, SmarText™ simultaneously displays weight and application specific information such as percent or count. At the touch of the Function button, SmarText™ will display application reference information such as average piece weight (APW)



BALANCE ELECTRONIC
PART # 1067-14
NSN 6640014549198

**BALANCE ELECTRONIC
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	2.8
	Width (Inches)	7.6
	Length (Inches)	10
	Cube (Cubic Feet)	0.1231
	Weight	3.3 lbs.
Ship Dimensions	Height (Inches)	6.3
	Width (Inches)	10.9
	Length (Inches)	15.2
	Cube (Cubic Feet)	0.604
	Weight	11.5
Storage Temp		
Operating Temp		50° F to 86° F
Storage Humidity		
Operating Humidity		
Amps		0.1363
Watts		30
Power Requirements	110/220 Volts at 50/60 Hz	
Notes		

**BALANCE ELECTRONIC
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Ohaus Corp	DIST PN Weber Scientific	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640014549198		Balance Electronic	1067-14		1	EA	\$743.28	\$743.28	N/A
7610015436723		Maintenance Manual			1	EA	Incl w/NSN 9198	Incl w/NSN 9198	N/A
7610015437003		Lituration, Operator			1	EA	Incl w/NSN 9198	Incl w/NSN 9198	N/A

**BALANCE ELECTRONIC
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Ohaus Corp	DIST PN Weber Scientific	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6135009857845		Battery Non-Rechargeable Alkaline 1.5v AA Cell	C18.1		1	24/PG	\$41.60	\$41.60	36

**BALANCE ELECTRONIC
WEB LINKS**

[Click Below for Online Manual](#)

<<http://www.ohaus.com/input/media/opmanuals/80251161.pdf>>

BLENDER LABORATORY PULSIFIER

TOC

MANUFACTURER: K&R TECHNOLOGIES

Manufacturer Model# 24-E-001

Manufacturer's PHONE: (301) 662-6835 FAX: (301) 662-8096

AAC 'J' ITEM NSN 6640-01-533-2171

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

UNIT PRICE: \$5,885.00

System Description: The pulsifier is a new alternative to paddle type blenders for sample preparation. The unit incorporates an oscillating ring as opposed to paddles. In most food types, pulsification has shown to be less destructive to the sample, producing lower concentrations of debris, which benefits the user in a number of ways. Certain inhibitory compounds can be released during mastication which can interfere with PCR and biochemical ID tests. This will also produce less interference during plating, counting, pipetting and filtration of samples. The unit incorporates an oscillating ring which cycles at 3000 rpm. A 400 ml sample bag is placed onto this oscillating ring, producing a combination of shockwaves and intense stirring which drives the microbes into suspension. This method has been proven to recover organisms at the same rate as paddle type blenders. A programmable digital display is used for cycle times, program setting and pause feature. There is also a self-contained area at the bottom of the instrument capable of collecting a complete sample volume in the event of spills or leaks. The lid has a unique locking device so the bag is sealed tightly to prevent aerosol release. This hinged lid can also be released for easy clean-up. The pulsifier offers processed samples that are more compatible with the demands of rapid microbiology methods by providing reduced food matrix destruction and a cleaner aqueous phase.



**BLENDER LABORATORY PULSIFIER
PART # 24-E-001
NSN 6640015332171**



BLENDER LABORATORY PULSIFIER

**BLENDER LABORATORY PULSIFIER
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	12.6
	Width (Inches)	12.6
	Length (Inches)	18.11
	Cube (Cubic Feet)	1.6639
	Weight	18.74 lbs.
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	
Storage Temp		50° F to 104° F
Operating Temp		50° F to 104° F
Storage Humidity		5 to 90% Non-Condensing
Operating Humidity		5 to 90% Non-Condensing
Amps		1
Watts		115
Power Requirements	115 VAC; 60 Hz, 1 amp - current Fuse – 2amp, Type of Fuse T2AH	
Notes		

**BLENDER LABORATORY PULSIFIER
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN K&R Technologies	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640015332171		Blender Laboratory Pulsifier	24-E-001		1	EA	\$5,885.00	\$5,885.00	N/A
	No NSN Required	Operation/Maintenance Manual	24-P002		2	EA	Incl w/NSN 2171	Incl w/NSN 2171	N/A
6640015331829		Blender Bags (Case of 500) 175 mm X 250 mm (250ml Capacity)	24-C-025		1	500/PG	Incl w/NSN 2171	Incl w/NSN 2171	24

**BLENDER LABORATORY PULSIFIER
ITEMS FOUND IN THE UNIT ASSEMBLAGE SUPPORTING THIS ITEM**

NSN	Notes	Nomenclature	MFR PN K&R Technologies	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640015331829	In The UA	Blender Bags (Case of 500) 175 mm X 250 mm (250ml Capacity)	24-C-025		1	500/PG	\$130.00	\$130.00	24

**BLENDER LABORATORY PULSIFIER
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN K&R Technologies	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
	No NSN Required	Operation/Maintenance Manual	24-P002		2	EA	\$5.00	\$10.00	N/A
6640015331829		Blender Bags (Case of 500) 175 mm X 250 mm (250ml Capacity)	24-C-025		1	500/PG	\$130.00	\$130.00	24

COUNTER ELECTRONIC

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MANUFACTURER: WEBER SCIENTIFIC

Manufacturer Model# 3045-00 (QUEBEC COLONY COUNTER)

Manufacturer's PHONE: (609) 584-1055 FAX: (609) 584-8388

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

AAC 'L' ITEM NSN 6625-01-495-3367

UA's: 914B

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

UNIT PRICE: \$860.00

System Description: The Quebec Colony Counter electronic registry model is operated by a needle point probe with magnetic ground, when ground and counting probes are both touching conductive agar in dish or plate, an electrical circuit is completed through the integral amplifier, thus activating the digital counter. Each probing action into the colony completes a circuit and is automatically recorded. The reset bar provides immediate zeroing of five digit counter. It uses the true Quebec darkfield principle. Contrasted against the darkfield background, the bacteria colonies are bright and readily distinguished from other structures in the agar. Dish holder is adjustable for centering round dishes up to 100 mm in diameter.



**COUNTER ELECTRONIC
PART # 3045-00 (QUEBEC COLONY COUNTER)
NSN 662501495367**

**COUNTER ELECTRONIC
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	10
	Width (Inches)	11
	Length (Inches)	10.5
	Cube (Cubic Feet)	0.6684
	Weight	12 lbs.
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	
Storage Temp		
Operating Temp		Room Temperature
Storage Humidity		
Operating Humidity		
Amps		
Watts		
Power Requirements	Request 110 or 220 volt at time of order	
Notes		

**COUNTER ELECTRONIC
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Weber Scientific	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6625014953367		Counter Electronic	3045-00 (QUEBEC COLONY COUNTER)		1	EA	\$860.00	\$860.00	N/A
	No NSN Required	Operation Manual			2	EA	Incl w/NSN 3367	Incl w/NSN 3367	N/A

**COUNTER ELECTRONIC
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

INCUBATOR BACTERIOLOGICAL BENCHTOP

TOC

MANUFACTURER: WEBER SCIENTIFIC

Manufacturer Model# 3055-70

Manufacturer's PHONE: (609) 584-1055 FAX: (609) 584-8388

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

AAC 'J' ITEM NSN 6640-01-464-9828

UA's: 914B

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

UNIT PRICE: \$1,631.20

System Description: The compact incubators have a see-through acrylic door, aluminum interior, mineral wool insulation and baked-on enamel exterior. One fixed and one adjustable chrome-plated wire shelf and a six-foot cord are standard. The microprocessor controlled digital model maintains accurate settings within 1° C, even in variant ambient or power supply conditions. It has a temperature tracking feature that stores maximum process temperature deviation from set point in 0.1° units, acting as a paperless chart recorder and helping to confirm stability and continuity. The control has a large, low-glare four-digit LED display that can be read from across the room. The readout is selectable between F and C, and selectable in either a 1.0° or 0.1° display. A continuous self-diagnostic function prompts if a malfunction occurs. The analog unit has a bimetal controller, illuminated on-off pushbutton and pilot light. A laboratory thermometer is included.



**INCUBATOR BACTERIOLOGICAL BENCHTOP
PART # 3055-70
NSN 6640014649828**

**INCUBATOR BACTERIOLOGICAL BENCHTOP
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	21
	Width (Inches)	19
	Length (Inches)	13
	Cube (Cubic Feet)	3.0017
	Weight	26 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	Request of 110 or 230 at time of order.	
Notes		

**INCUBATOR BACTERIOLOGICAL BENCHTOP
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Weber Scientific	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640014649828		Incubator Bacteriological Benchtop	3055-70		1	EA	\$1,631.20	\$1,631.20	N/A
	No NSN Required	Maintenance Manual	N/A		2	EA	Incl w/NSN 9828	Incl w/NSN 9828	N/A
	No NSN Required	Operation Manual	N/A		2	EA	Incl w/NSN 9828	Incl w/NSN 9828	N/A

**INCUBATOR BACTERIOLOGICAL BENCHTOP
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

INCUBATOR INCTRONIC 1

TOC

MANUFACTURER: CHARM SCIENCES INC.

Manufacturer Model# INC-110-8

Manufacturer's PHONE: (978) 687-9200 FAX: (978) 687-9216

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

AAC 'J' ITEM NSN 6640-01-543-6980

UA's: 913B

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

UNIT PRICE: \$580.00

System Description: This is an 8 place incubator for 2ml vials. It is use in conjunction with alkaline phosphatase kit for Novalum, and the Kidney Inhibition Swab (KIS) Test.



**INCUBATOR INCTRONIC 1
PART # INC-110-8
NSN 6640015436980**

**INCUBATOR INCTRONIC 1
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	3.25
	Width (Inches)	4.5
	Length (Inches)	7.5
	Cube (Cubic Feet)	0.0635
	Weight	1.94 lbs.
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	
Storage Temp		14° F to 122 ° F
Operating Temp		39 ° F to 104° F
Storage Humidity		10% to 85% Non-Condensing
Operating Humidity		10% to 85% Non-Condensing
Amps		0.5
Watts		50
Power Requirements	110 volts, 50/60 Hz	
Notes		

**INCUBATOR INCTRONIC 1
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Charm Sciences Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640015436980		Incubator Inctronic 1	INC-110-8		1	EA	\$580.00	\$580.00	N/A
	No NSN Required	Maintenance Manual	N/A		2	EA	Incl w/NSN 6980	Incl w/NSN 6980	N/A
	No NSN Required	Operation Manual	N/A		2	EA	Incl w/NSN 6980	Incl w/NSN 6980	N/A

**INCUBATOR INCTRONIC 1
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

LUMINOMETER WITH SOFT CASE

TOC

MANUFACTURER: CHARM SCIENCES INC.

Manufacturer Model# NOVALUM

Manufacturer's PHONE: (978) 687-9200 FAX: (978) 687-9216

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

Item Web Link:

<http://www.charm.com/content/view/60/103/lang.en/>

AAC 'L' ITEM NSN 6630-01-536-1456

UA's: 910B, 913B

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

UNIT PRICE: \$0.00

System Description: This unit is a palm sized luminometer packed with powerful HACCP- friendly tests designed to strengthen ATP (Adenosine Triphosphate) based hygiene monitoring programs and QA processes. The instrument, tests and trending software were designed to offer the latest advances in technology. Offering unrivaled speed, versatility and customization capabilities, the novaLUM sets a new standard in ATP hygiene testing. It measures 8 separate luminescence tests: Pocketswab plus, allergiene, watergiene, charm chef, pastlite, cidelite, somalite and micro Q. With a high speed processor paired with an advanced photomultiplier tube, establishes a new benchmark in instrument speed and sensitivity, it is also fully customizable and can be configured prior to shipping to suit your needs. The factory set calibrations and sampling plans can provide the degree of sensitivity required for your unique test application. It has full numeric keypad, simple to use menu driven operation, high speed data processor, ergonomic rugged design and weighs 450 grams. It comes with USB and serial cables, power cord, hand strap, software, soft case and lithium battery.



LUMINOMETER WITH SOFT CASE AND LITHIUM BATTERY
 PART # NOVALUM
 NSN 6630015361456

Specifications	[Order Code: novalum]
Unit Dimensions	7.1 x 3.9 x 2.3 inches (18.1 x 9.8 x 6.0 cm, W x H x D)
Screen Dimensions	2.3 x 1.5 inches (5.8 x 3.9 cm, W x H)
Weight	< 1 lb (450 g)
Power Source	Internal rechargeable battery; AC operation during recharge
Power (AC)	Adapters for 110 V / 60 Hz or 220 V / 50 Hz
Power Save	When no activity, adjustable shut off time to conserve battery
Battery Monitor	Continuous Battery status display with low battery warning
Swab Chamber	Patented open chamber design; no lids, latches or doors
Calibration (ATP)	Factory Set (ATP controls available for verification)
Memory Capacity	6,000 test results; 400 swab sites per sampling plan
Wireless Option	802.11b (transmit data in real time)

LUMINOMETER SPECIFICATIONS

**LUMINOMETER WITH SOFT CASE
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	7.1
	Width (Inches)	3.9
	Length (Inches)	2.3
	Cube (Cubic Feet)	0.0369
	Weight	<1 lb.
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	
Storage Temp		-10° F to +50° F
Operating Temp		5° F to 40° F
Storage Humidity		10 to 85° Non-Condensing
Operating Humidity		10 to 85° Non-Condensing
Amps		1.32
Watts		132
Power Requirements	100/240 VAC, 50/60 Hz, 550 mA	
Notes		

**LUMINOMETER WITH SOFT CASE
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Charm Sciences Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6630015361456		Luminometer with Soft Case	NOVALU M		1	EA	\$0.00	\$0.00	N/A
		Case, Soft	NL-SFT- CARRY- CS		1	EA	Incl w/NSN 1456	Incl w/NSN 1456	N/A
		Lithium Battery	110-0022		1	EA	Incl w/NSN 1456	Incl w/NSN 1456	N/A
	No NSN Required	Maintenance Manual	Not available		2	EA	Incl w/NSN 1456	Incl w/NSN 1456	N/A
	No NSN Required	Operation Manual	Not available		2	EA	Incl w/NSN 1456	Incl w/NSN 1456	N/A
		Power Cord	PWR-AC- CHRG-NL		1	EA	Incl w/NSN 1456	Incl w/NSN 1456	N/A
		Serial Cable	COM- COMPAK		1	EA	Incl w/NSN 1456	Incl w/NSN 1456	N/A
		Software	SOFTWARE E-NL		1	EA	Incl w/NSN 1456	Incl w/NSN 1456	N/A
		USB Cable	112-0015		1	EA	Incl w/NSN 1456	Incl w/NSN 1456	N/A

**LUMINOMETER WITH SOFT CASE
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Charm Sciences Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
		Case, Soft	NL-SFT- CARRY- CS		1	EA	\$0.00	\$0.00	N/A
		Lithium Battery	110-0022		1	EA	\$0.00	\$0.00	N/A
		Power Cord	PWR-AC- CHRG-NL		1	EA	\$0.00	\$0.00	N/A
		Serial Cable	COM- COMPAK		1	EA	\$0.00	\$0.00	N/A
		Software	SOFTWARE E-NL		1	EA	\$0.00	\$0.00	N/A
		USB Cable	112-0015		1	EA	\$0.00	\$0.00	N/A

**LUMINOMETER WITH SOFT CASE
ADDITIONAL NOTE:
CONTACT MANUFACTURER FOR PRICE QUOTE**

MICROSCOPE OPTICAL LABORATORY

[TOC](#)

MANUFACTURER: NIKON INC.

Manufacturer Model# ECLIPSE 50I-TE-4PA TILT HEAD MIC

Manufacturer's PHONE: (631) 547-8526 FAX: (631) 547-8652

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

Item Web Link:

<http://www.nikoninstruments.com/Products/Microscope-Systems/Upright-Microscopes/Biological/Eclipse-50i>

AAC 'J' ITEM NSN 6650-01-519-8473

UA's: 207A, 215B, 263C, 512A, 905B, 912B, 914B, N403, N436, N503, N504, N703, N704

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

UNIT PRICE: \$7,657.01

System Description: A standard laboratory microscope for use in a variety of clinical specialty settings. Includes objectives at the following magnifications: 4X, 10X, 40X, and 100X. The light source (bulb), power cord, and optics are interchangeable with E400 (NSN 6650-01-501-2807.) The body tube contains an access port in back adaptable for use with a camera using "C" mount adapter. Includes case.

Features:

Adaptable for:

- High resolution bright field
- Dark field
- EPI-Flourescence
- Phase contrast



**MICROSCOPE OPTICAL LABORATORY GENERAL PURPOSE
PART # Eclipse 50i-TE-4PA Tilt Head Mic
NSN 6650015198473**



**CASE, HARDENED FOR 50I MICROSCOPE
PART # 92403
NSN 6650015557384**

**MICROSCOPE OPTICAL LABORATORY
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	17
	Width (Inches)	12.7
	Length (Inches)	22
	Cube (Cubic Feet)	2.7487
	Weight	40 lbs.
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	
Storage Temp		Not to exceed 105° F (40.5°C)
Operating Temp		50° to 95° F (10°C to 35°C)
Storage Humidity		Less than 90% Non-Condensing
Operating Humidity		Less than 85% Non-Condensing
Amps		9
Watts		148
Power Requirements	110/220 VAC 50/60 Hz	
Notes		

**MICROSCOPE OPTICAL LABORATORY
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Nikon Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6650015198473		Microscope Optical Laboratory	Eclipse 50i-TE- 4PA Tilt Head Mic		1	EA	\$7,657.01	\$7,657.01	N/A
6240015429964		Bulb, Halogen	84246		1	EA	Incl w/NSN 8473	Incl w/NSN 8473	N/A
6650015426063		Power Cord, Grounded Three Wire	79035		1	EA	Incl w/NSN 8473	Incl w/NSN 8473	N/A
6650015557384		Case Hardened, shippable, for 50i/55i	92403		1	EA	Incl w/NSN 8473	Incl w/NSN 8473	N/A
7610015437003		Literature, Operation			1	EA	Incl w/NSN 8473	Incl w/NSN 8473	N/A

**MICROSCOPE OPTICAL LABORATORY
ITEMS FOUND IN THE UNIT ASSEMBLAGE SUPPORTING THIS ITEM**

NSN	Notes	Nomenclature	MFR PN Nikon Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640000744191		Slide Microscope Plain Frosted End 75.4x25mm 72s	3703-2F		3	72/PG	\$36.16	\$108.48	N/A
6640004089915		Box Microscope Slide Plastic 100 Slide Hinged Cover	03-448-5		3	EA	\$18.96	\$56.88	N/A
6640014537708		Immersion Oil Microscopy Cargille Design Type B 4 oz	2033-00		1	BT	\$11.46	\$11.46	N/A
6640014538567		Jar Biological Staining 4.5x2.3IN Used in Staining Specimens	2005-10		4	EA	\$14.29	\$57.16	N/A
6640014690806		Mailer Microscope Slide Plastic 83 x 29 x 15 MM Holds 5 Slides	6105A		6	EA	\$15.60	\$93.60	N/A

**MICROSCOPE OPTICAL LABORATORY
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Nikon Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6240015429964		Bulb, Halogen	84246		1	EA	\$14.07	\$14.07	N/A
6550001398300		Safranin O Stain Powder Certified Biological Stain 10gm	R-110		1	10GM/ BT	\$40.63	\$40.63	24
6550008901567		Orange G Staining Solution 32oz	HT40132- 1L		1	32 OZ/BT	\$68.92	\$68.92	24
6550012417009		India Ink Stain 0.75ml 50s	3569-26-7		1	50/PG	\$46.28	\$46.28	30
6550013348738		Cytology Fixative 3.5oz Can 12s	AQ109-05		1	12/PG	\$36.86	\$36.86	18

ACCESSORIES & CONSUMABLES - RESUPPLY

NSN	Notes	Nomenclature	MFR PN Nikon Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6550013585345		Blueing Solution Alkaline Buffered	2058-8705		1	1gal/B T	\$38.54	\$38.54	36
6550014153831		Crystal Violet Stain Powder 25g	F907-03		1	25g/BT	\$45.13	\$45.13	N/A
6550014645518		Hematoxylin Stain f/Progressive or Regressive	S7729-12		1	1gal/B T	\$156.95	\$156.95	36
6550014645542		Cytoplasmic Stain Polychromic Lower Concentration It Green 1 Liter 2s	990166		1	12/PG	\$68.24	\$68.24	24
6550014645548		Cytoplasmic Stain Polychromic 1 Liter 2s	6766001		1	2/PG	\$83.96	\$83.96	24
6550014658793		Kit Differentiation Use f/Bone Marrow Smears FNA's & Parasites	990700		1	EA	\$99.11	\$99.11	6
6550014658808		Hematoxylin Stain G 64oz	65067-85		1	BT	\$127.90	\$127.90	36
6550014665751		Formalin Control Agent Plas Bag Cap of 2.5gl Tissue Waste Formula	F2.5		1	EA	\$54.00	\$54.00	N/A
6640000744191		Slide Microscope Plain Frosted End 75.4x25mm 72s	3703-2F		3	72/PG	\$36.16	\$108.48	N/A
6640002999807		Immersion Oil Microscopy 1 oz bottle	16484		1	BT	\$3.01	\$3.01	48
6640004089915		Box Microscope Slide Plastic 100 Slide Hinged Cover	03-448-5		3	EA	\$18.96	\$56.88	N/A
6640004223810		Dish Biological Staining 20 Slide w/Cover Tray & Tray Remover	29-6700		1	EA	\$49.92	\$49.92	N/A
6640004223815		Dish Biological Staining Glass D9 Horiz w/o Tray	29-6700-01		1	EA	\$8.67	\$8.67	N/A
6640004260300		Forceps Microscope Cover Glass Tweezer 110mm	XX62-000-06		1	EA	\$9.36	\$9.36	N/A
6640004301000		Jar Biological Staining Coplin Glass Soda Lime H5 10 Slides	900470		1	EA	\$30.10	\$30.10	N/A
6640004361000		Paper Filter Qualitative 250mm Diameter Medium Not Folded 100s	4704H40		1	100/PG	\$17.08	\$17.08	N/A
6640004361500		Paper Filter Qualitative 380mm Diameter Pharmaceutical 100s	4704H60		1	100/PG	\$52.11	\$52.11	N/A
6640006180066		Cover Glass Microscope Slide 22mm Square 1 oz.	M6020-2		1	22/PG	\$81.06	\$81.06	N/A
6640006180067		Cover Glass Microscope Slide 22x40mm 1oz	M6045-4		1	30/PG	\$13.51	\$13.51	N/A
6640009736173		Box Microscope Slide Chipboard 20 slide	3450		1	EA	\$41.44	\$41.44	N/A
6640010140053		Slide Microscope Glass 3x1in w/Frosted One Side Cytol 144s	223031		1	144/PG	\$36.89	\$36.89	N/A
6640011191275		Mailing Case Section Microscope Slide Double Slot Chipboard 36s	12-587-16		1	36/PG	\$128.15	\$128.15	N/A

ACCESSORIES & CONSUMABLES - RESUPPLY

NSN	Notes	Nomenclature	MFR PN Nikon Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640011648821		Cabinet Microscope Slide Steel Beige 4500 Slides	C101-TAN		1	EA	\$114.40	\$114.40	N/A
6640013438185		Box Microscope Slide Hinged Cover Holds 3x1in Slides 50 gauge 200s	12-569-35		1	200/PG	\$104.72	\$104.72	N/A
6640013867785		Rack Staining Microscope Tilt/Slide CRS Adjust 18- 36in	S7676		1	EA	\$346.83	\$346.83	N/A
6640014537708		Immersion Oil Microscopy Cargille Design Type B 4 oz	2033-00		1	BT	\$11.46	\$11.46	N/A
6640014538567		Jar Biological Staining 4.5x2.3IN Used in Staining Specimens	2005-10		4	EA	\$14.29	\$57.16	N/A
6640014571912		Slide Microscope Superfrost 75x25mm 1mm Thick	12-544-7		1	144/PG	\$38.65	\$38.65	N/A
6640014673627		Slide Folder, 20 Slide 72s	2615		1	72/BX	\$928.00	\$928.00	N/A
6640014690806		Mailer Microscope Slide Plastic 83 x 29 x 15 MM Holds 5 Slides	6105A		6	EA	\$15.60	\$93.60	N/A
6645012751372		Timer Interval Electrical 0.1sec-10hrs Capacity	06-662-5		1	EA	\$54.50	\$54.50	N/A
6650009354247		Shield Optical Microscope Vinyl 16x20" Collapsible	410801		1	EA	\$72.38	\$72.38	N/A
6650015426063		Power Cord, Grounded Three Wire	79035		1	EA	\$10.89	\$10.89	N/A
6650015557384		Case Hardened, shippable, for 50i/55i	92403		1	EA	\$775.00	\$775.00	N/A

READER TEST STRIP RAPID ASSAY NOMINA

TOC

MANUFACTURER: CHARM SCIENCES INC.

Manufacturer Model# LF-ROSA-PEARL-X-NB

Manufacturer's PHONE: (978) 687-9200 FAX: (978) 687-9216

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

Item Web Link:

<http://www.charm.com/content/view/104/322/lang.en>

AAC 'L' ITEM NSN 6630-01-574-0337

UA's: 914B

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

UNIT PRICE: \$3,573.53

System Description: Portable hand-held instrument designed to electronically read results from rapid one step assay (ROSA) lateral flow test strips. It is capable of storing and exporting test data to a printer or personal computer.

- Features:**
- RS232 Data Port
 - Removable Optic Cleaning Slide
 - Lot Number Entry
 - Auto-advance of Date and Time
 - Built in test counter
 - Memory Capacity for 4300 Tests



**READER TEST STRIP TAPID ASSAY NOMINAL
PART # LF-ROSA-PEARL-X-NB
NSN 6630015740337**

**READER TEST STRIP RAPID ASSAY NOMINA
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	3
	Width (Inches)	4.5
	Length (Inches)	7
	Cube (Cubic Feet)	0.0547
	Weight	1.4 lbs
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	
Storage Temp		
Operating Temp		
Storage Humidity		
Operating Humidity		
Amps		
Watts		
Power Requirements	110 VAC 60Hz	
Notes		

**READER TEST STRIP RAPID ASSAY NOMINA
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Charm Sciences Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6630015740337		Reader Test Strip Rapid Assay Nomina	LF-ROSA- PEARL-X- NB		1	EA	\$3,573.53	\$3,573.53	N/A
		Adapter AC	Pwr-12v- unvrsl- desktop		1	EA	Incl w/NSN 0337	Incl w/NSN 0337	N/A
		Cable Computer Communications	Com- compak		1	EA	Incl w/NSN 0337	Incl w/NSN 0337	N/A
7610015437003		Literature Operator			1	EA	Incl w/NSN 0337	Incl w/NSN 0337	N/A

**READER TEST STRIP RAPID ASSAY NOMINA
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

REFRIGERATOR-FREEZER

TOC

MANUFACTURER: NORTHLAND-MARVEL

Manufacturer Model# 6CRF0600

Manufacturer's PHONE: (616) 754-5601 FAX: (616) 754-0970

Manufacturer's Website: www.marvelscientific.com

AAC 'L' ITEM NSN 4110-01-425-8009

UA's: 263C, 273A, 623A, 905B, 912B, 913B, 914B, N306, N308, N309, N310, N321, N503, N506, N513, N703, N706, N713, N725

USAMMA POC: Customer Relations Management 301-619-4301/6901 - DSN 343-4301/6901
UNIT PRICE: \$1,815.95

System Description: Six cubic foot undercounter refrigerator/freezer fits easily under lab benches and casework. Forced air ventilation eliminates need for clearance space in built-in applications. Manual defrost, 5.3 cubic foot refrigerator capacity and 0.7 cubic foot freezer capacity. Dual voltage capable, carrying handles and olive drab paint scheme. Uses non-CFC R134a refrigerant.



REFRIGERATOR-FREEZER MECHANICAL FIELD WARD
PART # 6CRF0600
NSN 4110014258009

**REFRIGERATOR-FREEZER
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	35.5
	Width (Inches)	24.75
	Length (Inches)	25.5
	Cube (Cubic Feet)	12.9658
	Weight	120 lbs.
Ship Dimensions	Height (Inches)	
	Width (Inches)	
	Length (Inches)	
	Cube (Cubic Feet)	
	Weight	
Storage Temp		
Operating Temp		
Storage Humidity		
Operating Humidity		
Amps		2.66
Watts		320 Normal - 1200 Surge
Power Requirements	Dual voltage 120/220 VAC 50/60 Hz	
Notes	Uses R-134A Refrigerant	

**REFRIGERATOR-FREEZER
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Northland- Marvel	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
4110014258009		Refrigerator-Freezer	6CRF0600		1	EA	\$1,815.95	\$1,815.95	N/A

**REFRIGERATOR-FREEZER
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

VORTEX MIXER LABORATORY RECIPROCATING

TOC

MANUFACTURER: FISHER SCIENTIFIC

Manufacturer Model# 02 215 365

Manufacturer's PHONE: (412) 490-8908 FAX: (412) 490-8717

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

AAC 'L' ITEM NSN 6640-01-557-4703

UA's: 211B, 212B, 213B, 215B, 217B, 220B, 221B, 913B, N403, N703

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

UNIT PRICE: \$269.00

System Description: Designed for gentle shaking or vigorous vortexing of samples in a wide variety of applications. Use with flasks, beakers, tubes, and microwell plates. Constructed using a heavy base casting with corrosion-resistant enamel finish, units remain stable on work surfaces. The fixed speed vortex mixers are one-touch units designed for high speed mixing and vigorous vortexing of samples at 3200rpm. Mixing starts when the head is pressed down. The analog vortex mixers have a variable speed control from 100–3200rpm, which allows low rpm startup for gentle shaking or high-speed mixing for vigorous vortexing of samples. Units can be operated in touch mode when depressing the cup head or in a continuous mode. Models feature a three-way power switch and a speed knob with variable 1 to 10 dial marks.



VORTEX MIXER LABORATORY RECIPROCATING
PART # 02 215 365
NSN 6640015574703

**VORTEX MIXER LABORATORY RECIPROCATING
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

Item Dimensions	Height (Inches)	4.8
	Width (Inches)	4.8
	Length (Inches)	6.8
	Cube (Cubic Feet)	0.0907
	Weight	
Ship Dimensions	Height (Inches)	0
	Width (Inches)	0
	Length (Inches)	0
	Cube (Cubic Feet)	0
	Weight	11.7 lbs
Storage Temp		
Operating Temp		
Storage Humidity		
Operating Humidity		
Amps		1.2
Watts		150
Power Requirements	120 VAC 50/60Hz	
Notes	Speed Range 100-3200 rpm	

**VORTEX MIXER LABORATORY RECIPROCATING
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Fisher Scientific	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640015574703		Vortex Mixer Laboratory Reciprocating	02 215 365		1	EA	\$269.00	\$269.00	N/A

**VORTEX MIXER LABORATORY RECIPROCATING
ACCESSORIES & CONSUMABLES**

NO RESUPPLY ITEMS

