



**VETERINARY
EQUIPMENT SET
SERVICE FIELD**

**Support and Consumables
Handbook**

6545-01-508-7000

UA 4914

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,
Materiel Acquisition Directorate,
Ancillary Care Division,
Fort Detrick, MD

**This manual is still in draft form and may contain inaccuracies.
To report inaccuracies or additions,
please contact 301-619-4301/4316, DSN 343-4301/4316,
or at USAMMACRM@amedd.army.mil
Responses may also be mailed to:**

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1423 Sultan Drive, Suite 100
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NOTE: CLICK ON TITLE
FOR DIRECT LINK

TABLE OF CONTENTS

<u>SECTION NO.</u>	<u>DEVICE</u>	<u>NSN</u>	<u>PAGE NO.</u>
1	<u>ANALYZER LIQUID SCINTILLATION</u>	(L) 6640-01-495-3965	1
2	<u>BALANCE ELECTRONIC</u>	(L) 6640-01-454-9198	11
3	<u>BLENDER LABORATORY</u>	(L) 6640-01-533-2171	15
4	<u>COUNTER ELECTRONIC</u>	(L) 6625-01-495-3367	19
5	<u>INCUBATOR BACTERIOLOGICAL</u>	(L) 6640-01-464-9828	21
6	<u>INCUBATOR CULTURE</u>	(L) 6640-01-543-2928	23
7	<u>INCUBATOR, INCTRONIC 1</u>	(L) 6640-01-543-6980	25
8	<u>LUMINOMETER W/SOFT CASE</u>	(L) 6630-01-536-1456	27
9	<u>LUMINOMETER KIT, TEST ALKALINE PHOSPHATASE</u>	(L) 6550-01-543-6989	29
10	<u>MICROSCOPE OPTICAL LAB GENERAL PURPOSE</u>	(J) 6650-01-519-8473	31
11	<u>REFRIGERATOR FREEZER</u>	(J) 4110-01-425-8009	35

ANALYZER LIQUID SCINTILLATION TOC

CHARM SCIENCES INC

MODEL #: 7600 SYSTEM

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

Website: <http://www.charm.com>

AAC "L" ITEM NSN 6640-01-495-3965

UA's: 4914

USAMMA POC: Materiel Acquisition Directorate, 301-619-7403, DSN 343-7403

UNIT PRICE: \$22,795.00

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 Automated print out of date, control point, assay type, sample ID, result programmable display with multiple program functions.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.





**Analyzer Liquid Scintillation (110 volts)
Charm Item Code: 6600-ANA**



**Comp Cable
Charm Item Code: C2-COMPAK**



**Power Cable
Charm Item Code: 135-0050**

ANALYZER LIQUID SCINTILATION CHARACTERISTICS

Dimensions	Height	12.5 inches
	Width	20.5 inches
	Depth	13 inches
	Cube	1.852 cu ft
Weight		36 lbs
Operating Temperature Range		39° F to -104° F
Storage Temperature Range		14° F to -122° F
Relative Humidity (in use)		10% to 85% non condensing
Relative Humidity (storage)		10% to 85% non condensing
Power Requirements		110/220 volts, 50/60 Hz.
Amps	Depends on voltage	.57 amps
Watts		75 watts



Charm II Printer
Charm Item Code: PRN-CHARM2



**Printer, SER/32 Column- 110
 volt and cable**
**Charm Item Code: C2-
 PRINTCABLE**

CHARM II PRINTER CHARACTERISTICS

Dimensions	Height	2 inches
	Width	4 inches
	Depth	4.5 inches
	Cube	.021 cu ft
Weight		1.5 lbs
Operating Temperature Range		Not Available
Storage Temperature Range		Not Available
Relative Humidity (in use)		Not Available
Relative Humidity (storage)		Not Available
Power Requirements		12 volts, 0 Hz
Amps		2.5 amps
Watts		30 watts



**Incubator, Intronic 2 (110 volts)
Charm Item Code: INC-110-24**

INCUBATOR INTRONIC 2 CHARACTERISTICS

Dimensions	Height	5 inches
	Width	11 inches
	Depth	9.25 inches
	Cube	.294 cu ft
Weight		9.3 lbs
Operating Temperature Range		39° F to 104° F
Storage Temperature Range		14° F to 122° F
Relative Humidity (in use)		10% to 85% non condensing
Relative Humidity (storage)		10% to 85% non condensing
Power Requirements		110 volts, 50/60 Hz
Amps		2.8amps
Watts		300 watts



7600 Centrifuge
Charm Item code: CEN-7600

7600 CENTRIFUGE CHARACTERISTICS

Dimensions	Height	10.3 inches
	Width	14.5 inches
	Depth	17.2 inches
	Cube	1.487 cu ft
Weight		34.2 lbs
Operating Temperature Range		36° F to 104° F
Storage Temperature Range		Not Available
Relative Humidity (in use)		Max. 80% up to 31°C (88°F), descending in a linear pattern down to 50% at 40°C (104°F)
Relative Humidity (storage)		Not Available
Power Requirements		120 volts, 50/60 Hz
Amps		2.4 amps
Watts		250 watts



Meat Grinder/Extractor
Charm Item Code: BLENDER-110V

MEAT GRINDER/EXTRACTOR CHARACTERISTICS

Dimensions	Height	8 inches
	Width	4.5 inches
	Depth	5.5 inches
	Cube	.115 cu ft
Weight		2.5 lbs
Operating Temperature Range		Not Available
Storage Temperature Range		Not Available
Relative Humidity (in use)		Not Available
Relative Humidity (storage)		Not Available
Power Requirements		120 volts, 60 Hz
Amps		2.1 amps
Watts		250 watts



**Heat Block Large Well – 110 volt
Charm Item Code: INCBLK-110-LG**

HEAT BLOCK LARGE WELL CHARACTERISTICS

Dimensions	Height	4.1 inches
	Width	2.5 inches
	Depth	4.75 inches
	Cube	.0282 cu ft
Weight		3.5 lbs
Operating Temperature Range		39° F to 104° F
Storage Temperature Range		14° F to 122° F
Relative Humidity (in use)		10% to 85% non condensing
Relative Humidity (storage)		10% to 85% non condensing
Power Requirements		110 volts, 50/60 Hz
Amps		1.2 amps
Watts		100 watts

Maxi Mix II
Charm Item Code:MM2-120



**Waste
 Container**

Pipet Holder

Workstation/Maxi Mix II 120V
Model # WS-PREPMOD-6600

WORKSTATION/MAXI MIX II CHARACTERISTICS

Dimensions	Height	5 inches
	Width	16 inches
	Depth	10 inches
	Cube	.463 cu ft
Weight		10.6 lbs
Operating Temperature Range		40° F to 90° F
Storage Temperature Range		40° F to 90° F
Relative Humidity (in use)		Not Available
Relative Humidity (storage)		Not Available
Power Requirements		120 volts, 50/60Hz
Amps		.45 amps
Watts		50 watts



Pippeter, Finn Digital
Charm Item Code: PIP-1-5ML

ANALYZER LIQUID SCINTILLATION ACCESSORIES AND CONSUMABLES (START-UP) PACKAGE

NSN	Notes	Nomenclature	PN	QTY	UI	Unit Price	Total Price	MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
0000-00-000-0000	Included w/NSN	Power regulator-110V	PWR-COND-110V	1	EA	\$ 250.00	\$ 250.00	Charm	N	N	5 wks
NO NSN	Included w/NSN	Computer Cable/9 to 25 pin Adapter	C2-COMPAK	1	EA	\$20.00	\$20.00	Charm	N	N	5 wks
NO NSN	Included w/NSN	Power Cable	135-0050	1	EA	\$10.00	\$10.00	Charm	N	N	5 wks
	Included w/NSN	Printer/SER/32 Column	PRN-CHARM2	1	EA	\$ 360.00	\$ 360.00	Charm	N	N	5 wks
NO NSN	Included w/NSN	Cable, Printer SER/32 Column	C2-PRINT CABLE	1	EA	\$10.00	\$10.00	Charm	N	N	5 wks
	Included w/NSN	Incronic Dbl Heat Block 110V	INC-110-24	1	EA	\$1100.00	\$1100.00	Charm	N	N	5 wks
	Included w/NSN	Dispenser, 3ML for Optifluor	DISP-3ML	1	EA	\$ 130.00	\$ 130.00	Charm	N	N	5 wks
	Included w/NSN	Centrifuge, #426, 110V, INC. Accessories	CEN-7600	1	EA	\$ 3,175.00	\$ 3,175.00	Charm	N	N	5 wks
	Included w/NSN	Meat Grinder/Extractor 110V	BLENDER-110V	1	EA	\$ 80.00	\$ 80.00	Charm	N	N	5 wks
	Included w/NSN	Heating Block Large Well 110V	INCBLK-110-LG	1	EA	\$ 250.00	\$ 250.00	Charm	N	N	5 wks
	Included w/NSN	Prep Module 6600 (mmII, hldrs, w-cont)	WS-PREPMOD-6600	1	EA	\$ 600.00	\$ 600.00	Charm	N	N	5 wks
	Included w/NSN	Tablet Push Rod	TPR	1	EA	\$ 20.00	\$ 20.00	Charm	N	N	5 wks
	Included w/NSN	Graduated Cylinder 100ML	GRAD-CYL-100ML	1	EA	\$ 15.00	\$ 15.00	Charm	N	N	5 wks
	Included w/NSN	Timer/w/clip/magnet	TIMER-WB	1	EA	\$ 25.00	\$ 25.00	Charm	N	N	5 wks
	Included w/NSN	Pipet 10 ML (PKG/50)	PIP-10ML	1	PKG/50	\$ 30.00	\$ 30.00	Charm	N	N	5 wks
	Included w/NSN	Therm/12in/-20 to 100C/0.5 Increments	THERM-NON-CERT	1	EA	\$ 35.00	\$ 35.00	Charm	N	N	5 wks
	Included w/NSN	Pens Marking	MARKER-PEN	1	EA	\$ 1.00	\$ 1.00	Charm	N	N	5 wks
	Included w/NSN	Test Tube Rack-ACRY/12 Places	RACK-TST-12	1	EA	\$ 35.00	\$ 35.00	Charm	N	N	5 wks
	Included w/NSN	Pipette Pump-Green 10ML	PIPETTEPUMP	1	EA	\$ 20.00	\$ 20.00	Charm	N	N	5 wks
	Included w/NSN	Centrifuge Rack/50ML	RACK-50ML	1	EA	\$ 30.00	\$ 30.00	Charm	N	N	5 wks
	Included w/NSN	Scissors 7 1/2 inches	SCISSORS	1	EA	\$ 15.00	\$ 15.00	Charm	N	N	5 wks
	Included w/NSN	Pipetter/300UL Fixed/1 stop w/ejector	PIP-300UL-1STOP	1	EA	\$ 160.00	\$ 160.00	Charm	N	N	5 wks
	Included w/NSN	Pipetter, Finn Digital to 5 ML	PIP-1-5ML	1	EA	\$ 220.00	\$ 220.00	Charm	N	N	5 wks
	Included w/NSN	Test tube rack- 80 place	RACK-TST-80	1	EA	\$ 30.00	\$ 30.00	Charm	N	N	5 wks
NO NSN	Not included with NSN	Charm II Data Collection System	SOFTWARE-C2	1	EA	\$ 375.00	\$ 375.00	Charm	N	N	5 wks
NO NSN		Operator Manual		2	EA	Free	Free	Charm	N/A	N	5 wks
		Service Manual		2	EA	Free	Free	Charm			

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 (RESUPPLY)

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
6550014547577	ATP POSITIVE CONTROL TABLETS	ATP-POS-20	1	PG/20	\$60.00	\$60.00	Charm Sciences Inc	6	N	3
6650014546878	ATP POSITIVE CONTROL TABLETS SOMATIC CELL TEST	ATP-POS-SOMALT	1	PG/5	\$32.50	\$32.50	Charm Sciences Inc	6	N	3

BALANCE ELECTRONIC TOC

WEBER SCIENTIFIC

MODEL #: 1067-14

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

Website: <http://www.weberscientific.com/index2.shtm>

AAC "L" ITEM NSN 6640-01-454-9198

UA's: 4913, 4914

USAMMA POC: Materiel Acquisition Directorate, 301-619-7403, DSN 343-7403

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.



**Balance Electronic
Model # 1067-14**

Features:

- Selectable Environmental Settings
- Multiple Application Modes Including:
 - Parts Counting with Optimization – 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)
- QuadraStance™ Design Provides Superior Footprint
- Approvals: CE, FCC, CULUS, CCSAUS, NRTL, C Tick, CB Scheme, **IP33 (without Power Adapter; with Pan put on), IP20 (with Power Adapter, with Pan put on)**

**BALANCE ELECTRONIC
PHYSICAL AND ENVIRONMENTAL SPECIFICATIONS**

Dimensions	Height	2.8 inches
	Width	7.6 inches
	Depth	10 inches
	Cube	0.123 cu ft
Weight		3.3 lbs
Operating Temperature Range		50° F to 86° F
Storage Temperature Range		Not Available
Relative Humidity (in use)		Not Available
Relative Humidity (storage)		Not Available
Power Requirements		110/220 Volts at 50/60 Hz
Amps		.1363 amps
Watts		30 watts

**BALANCE ELECTRONIC
ACCESSORIES AND CONSUMABLES (START-UP) PACKAGE**

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
See Resupply	BATTERY NONRECHARGEABLE ALKALINE AA		4	EA	.	.		36	N	3
N/A	Operator Manual		2	EA	Free	Free	Weber Scientific	N/A	N	3
N/A	Maintenance Manual		2	EA	Free	Free	Weber Scientific	N/A	N	3

BALANCE ELECTRONIC (RESUPPLY)

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
6135009857845	BATTERY NONRECHARGEABLE ALKALINE AA	C18.1	1	PG/24	\$41.60.	\$41.60.	AMERICAN NATIONAL STANDARDS INSTITUTE	36	N	3

BLENDER LABORATORY PULSIFIER TOC

K&R TECHNOLOGIES

MODEL #: 24-E-001

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

Website:

http://www.800ezmicro.com/index.php?option=com_virtuemart&page=shop.product_details&flypage=shop.flypage_tabbed_ALL&product_id=16&Itemid=96

AAC "L" ITEM NSN 6640-01-533-2171

UA's: 4913, 4914

USAMMA POC: Materiel Acquisition Directorate, 301-619-7403, DSN 343-7403

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 Pulsifier
Model # 24-E-001**



**BLENDER LABORATORY
PHYSICAL AND ENVIRONMENTAL SPECIFICATIONS**

Dimensions	Height	12.60 inches / 32 cm
	Width	12.60 inches / 32 cm
	Depth	18.11 inches / 46 cm
	Cube	1.66 cu ft
Weight		18.74 lbs /8.5 kgs
Operating Temperature Range		50° F to 104° F
Storage Temperature Range		50° F to 104° F
Relative Humidity (in use)		5° to 90° non-condensing
Relative Humidity (storage)		5° to 90° non-condensing
Power Requirements		115 VAC; 60 Hz, 1 amp - current Fuse – 2amp, Type of Fuse T2AH
Watts	115 v x 1 amp	115 watts

**BLENDER LABORATORY
ACCESSORIES AND CONSUMABLES (START-UP) PACKAGE**

NSN	Notes	Nomenclature	PN	QTY	UI	Unit Price	Total Price	MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
6640015331829	INCLUDED W/NSN IN THE UA	Blender Bags(case of 500) 175 mm X 250 mm (250ml capacity)	24-C-025	1	PG	\$99.00	\$99.00	K&R TECHNOLOGIES	indef	N	3
76100154370003	INCLUDED W/NSN	Operator/Maintenance Manual	24-P002	2	EA	\$5.00	\$5.00	K&R TECHNOLOGIES	indef	N	3

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

NSN	NOTES	Nomenclature	PN	QTY	UI	Unit Price	Total Price	MFG	Shelf Life, months	Refrig Y/N	CONUS Time, weeks
6640015331829	IN THE UA PUSH PACKAGE	Blender Bags(case of 500) 175 mm X 250 mm (250ml capacity)	24-C-025	1	PG	\$99.00	\$99.00	K&R TECHNOLOGIES	indef	N	3

**BLENDER LABORATORY
CONSUMABLES (RESUPPLY) PACKAGE**

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
6640015331829	Blender Bags(case of 500) 175 mm X 250 mm (250ml capacity)	24-C-025	1	CS	\$99.00	\$99.00	K&R TECHNOLOGIES	N/A	N	3

COUNTER ELECTRONIC TOC

WEBER SCIENTIFIC INC
MODEL #: 3045-00 (QUEBEC COLONY COUNTER)
Manufacturer's PHONE: (609) 584-7677 FAX: (609) 584-8388
Website: <http://www.weberscientific.com/search.shtm>

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

UA's: 4913, 4914

USAMMA POC: Materiel Acquisition Directorate, 301-619-7403, DSN 343-7403
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
Model # 3045-00**

COUNTER ELECTRONIC PHYSICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions	Height	10 inches
	Width	11 inches
	Depth	10.5 inches
	Cube	0.668 cu ft
Weight		12 lbs
Operating Temperature Range		Room Temperature
Storage Temperature Range		Not Available
Relative Humidity (in use)		Not Available
Relative Humidity (storage)		Not Available
Power Requirements		Request 110 or 220 volt at time of order
Amps		Not Available
Watts		Not Available

COUNTER ELECTRONIC ACCESSORIES AND CONSUMABLES (START-UP) PACKAGE

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
N/A	Operator Manual	Must be requested from manufacturer	2	EA	Free	Free	Weber Scientific	N/A	N	3
N/A	Service Manual	There is no service manual	2	EA	Free	Free	Weber Scientific	N/A	N	3

INCUBATOR BACTERIOLOGICAL BENCHTOP TOC

WEBER SCIENTIFIC

MODEL #: 3055-70

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

Website: <http://www.weberscientific.com/index2.shtm>

AAC "L" ITEM NSN 6640-01-464-9828

UA's: 4914

USAMMA POC: Materiel Acquisition Directorate, 301-619-7403, DSN 343-7403

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
Model # 3055-70**

**INCUBATOR BACTERIOLOGICAL
PHYSICAL AND ENVIRONMENTAL SPECIFICATIONS**

Dimensions	Height	21 inches
	Width	19 inches
	Depth	13 inches
	Cube	3.001 cu ft
Weight		Shipping 26 lbs
Operating Temperature Range		Ambient to 143.6° F
Storage Temperature Range		N/A
Relative Humidity (in use)		N/A
Relative Humidity (storage)		N/A
Power Requirements		Request of 110 or 230 at time of order.
Amps		N/a amps
Watts		N/a Watts

**INCUBATOR BACTERIOLOGICAL
ACCESSORIES AND CONSUMABLES (START-UP) PACKAGE**

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
	No Accessories and Consumables									
	Maintenance Manual	Not available	2	EA	Free	Free	Charm Sciences Inc			
	Operator Manual	Not available	2	EA	Free	Free	Charm Sciences Inc	N/A	N	3

INCUBATOR CULTURE TOC

BARNSTEAD/THERMOLYNE CORP

MODEL #: 120Q

Manufacturer's PHONE: 800-553-0039 X6758 FAX: (609) 584-8388

Website: http://www.barnsteadthermolyne.com/search_modelnbr.cfm

AAC "L" ITEM NSN 6640-01-543-2928

UA's: 4913, 4914

USAMMA POC: Materiel Acquisition Directorate, 301-619-7403, DSN 343-7403

UNIT PRICE: \$ \$408.00

System Description: This incubator is a corrosion-resistant aluminum chambers with 1" (2.5 cm) fiberglass insulation that provide excellent temperature uniformity. The Plexiglas door option permits unobstructive viewing of samples and eliminates temperature changes from opening and closing the door. It has a rugged metal door with positive latch that provides an excellent seal ensuring temperature stability and uniformity. It has a bimetallic thermostat that controls heat uniformity in chamber, allowing adjustment of temperature of the unit to match thermometer setting. The red, spirit-filled thermometer contains no mercury and is accurate to NIST tolerances. The pilot light indicates when heaters are energized, allowing you to be confident that the unit is operating. The specially designed shielded heating elements eliminate safety hazards caused by spills.

Applications:

- Bacteriological cultures
- Hematology studies
- Chick embryo studies



**Incubator Culture
Model # 120Q**

**INCUBATOR CULTURE
PHYSICAL AND ENVIRONMENTAL SPECIFICATIONS**

Dimensions	Height	15.7 inches
	Width	13.5 inches
	Depth	13.9 inches
	Cube	1.704 cu ft
Shipping Weight		27 lbs
Operating Temperature Range		Ambient +41°F to 104°F
Storage Temperature Range		Not Available
Relative Humidity (in use)		Not Available
Relative Humidity (storage)		Not Available
Power Requirements		120 volts 50/60 htz
Amps		0.8 amps
Watts		100 watts

**INCUBATOR CULTURE
ACCESSORIES AND CONSUMABLES (START-UP) PACKAGE**

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
N/A	Operator Manual		2	EA	Free	Free		N/A	N	3
N/A	Service Manual		2	EA	Free	Free		N/A	N	3

INCUBATOR, INCTRONIC 1 TOC

CHARM SCIENCES INC

MODEL #: INC-110-8

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

Website: <http://www.charm.com>

AAC "L" ITEM NSN 6640-01-543-6980

UA's: 4914

USAMMA POC: Materiel Acquisition Directorate, 301-619-7403, DSN 343-7403

UNIT PRICE: \$495.00

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**

**INCUBATOR, INCTRONIC 1
PHYSICAL AND ENVIRONMENTAL SPECIFICATIONS**

Dimensions	Height	3.25 inches
	Width	4.5 inches
	Depth	7.5 inches
	Cube	.063 cu ft
Weight		1.94 lbs
Operating Temperature Range		39 ° F to 104° F
Storage Temperature Range		14° F to 122 ° F
Relative Humidity (in use)		10% to 85% non condensing
Relative Humidity (storage)		10% to 85% non condensing
Power Requirements		110 volts, 50/60 Hz
Amps		0.5 amps
Watts		50 watts

**INCUBATOR, INCTRONIC 1 ACCESSORIES AND
CONSUMABLES (START-UP) PACKAGE**

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
	No Accessories and Consumables									
	Maintenance Manual	Not available	2	EA	Free	Free	Charm Sciences Inc			
	Operator Manual	Not available	2	EA	Free	Free	Charm Sciences Inc	N/A	N	3

LUMINOMETER W/SOFT CASE & LITHIUM BATTERY TOC

CHARM SCIENCES INC

MODEL #: NOVALUM

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

Website: <http://www.charm.com>

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

UA's: 4913, 4914

USAMMA POC: Materiel Acquisition Directorate, 301-619-7403, DSN 343-7403

UNIT PRICE: \$2,796.50

System Description: The Charm novaLUM® 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
Model # Novalum**

LUMINOMETER PHYSICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions	Height	7.1 inches
	Width	3.9 inches
	Depth	2.3 inches
	Cube	0.146 cu ft
Weight		<1 lbs
Operating Temperature Range		5° F to 40° F
Storage Temperature Range		-10° F to +50° F
Relative Humidity (in use)		10 to 85° non condensing
Relative Humidity (storage)		10 to 85° non condensing
Power Requirements		100/240 VAC 50/60 Hz, 550 mA
Watts		132 Watts

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 ACCESSORIES AND CONSUMABLES (START-UP) PACKAGE

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
	Lithium Battery	110-0022	1	EA	\$35.00	\$35.00	Charm Sciences Inc	N/A	N	3
	USB Cable	112-0015	1	EA	\$10.00	\$10.00	Charm Sciences Inc	N/A	N	3
	Serial cables	COM-COMPAK	1	EA	\$20.00	\$20.00	Charm Sciences Inc	N/A	N	3
	Power cord	PWR-AC-CHRG-NL	1	EA	\$75.00	\$75.00	Charm Sciences Inc	N/A	N	3
	Software	SOFTWARE-NL	1	EA	\$125.00	\$125.00	Charm Sciences Inc	N/A	N	3
	Case, Soft	NL-SFT-CARRY-CS	1	EA	\$35.00	\$35.00	Charm Sciences Inc	N/A	N	3
	Maintenance Manual	Not available	2	EA	Free	Free	Charm Sciences Inc			
	Operator Manual	Not available	2	EA	Free	Free	Charm Sciences Inc	N/A	N	3

LUMINOMETER KIT, TEST ALKALINE PHOSPHATASE TOC

CHARM SCIENCES INC

MODEL #: ACC-PAS-NL

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

Website: <http://www.charm.com>

AAC "L" ITEM NSN 6550-01-543-6989

UA's: 4914

USAMMA POC: Materiel Acquisition Directorate, 301-619-7403, DSN 343-7403

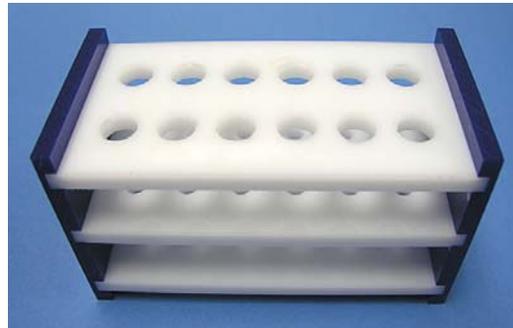
UNIT PRICE: \$675.00

System Description: This test kit is used in conjunction with Paslite Kit (alkaline phosphatase with Novalum).

INCLUDES:



**NovaLUM Stand
Part # NL-STAND**



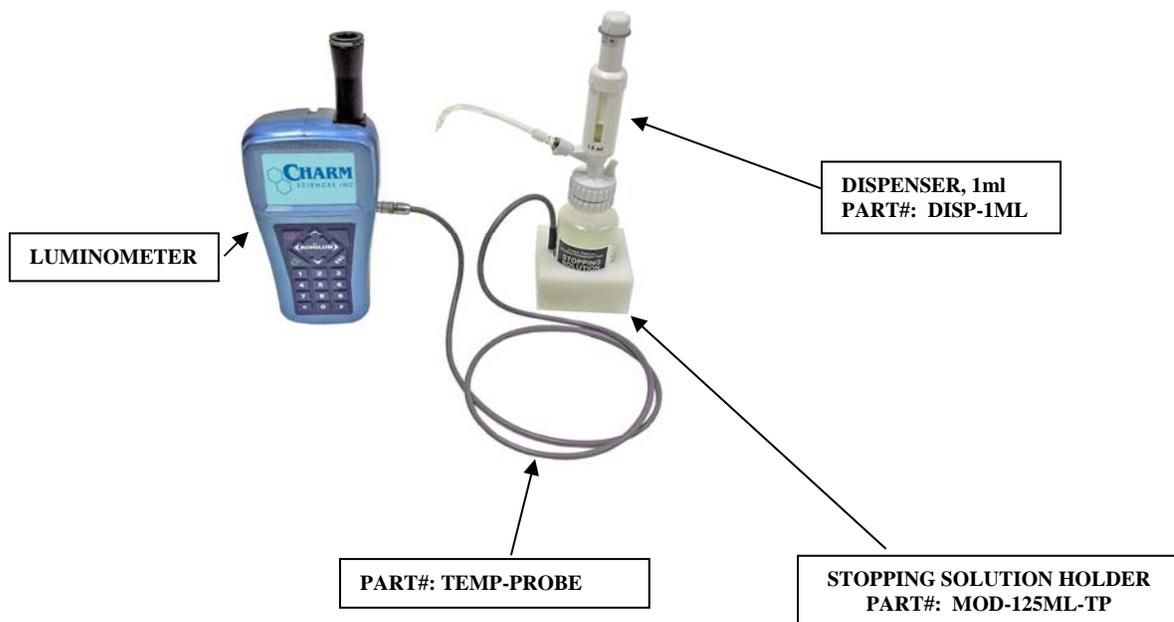
**Microtube Holder 2 ml
Part # RACK-MICRO-12**



**Adjustable Pipet 1-5 ml
Part # PIP1-5ML**



**Fixed Volume Pipet 100µl
Part # PIP-100UL**



NSN	Notes	Nomenclature	PN	QTY	UI	Unit Price	Total Price	MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
	Included w/NSN	NovaLUM Stand	NLF2-STAND	1	EA	\$95.00	\$95.00	CHARM	N	N	3-7 days
	Included w/NSN	Temperature Probe	TEMP-PROBE	1	EA	\$55.00	\$55.00	CHARM	n	N	3-7 days
	Included w/NSN	Microtube Holder 2 ml	RACK-COMBO-12	1	EA	\$35.00	\$35.00	CHARM	N	N	3-7 days
	Included w/NSN	Fixed Volume Pipet 100µl	PIP-100UL	1	EA	\$ 180.00	\$ 180.00	CHARM	N	N	3-7 days
	Included w/NSN	Adjustable Pipet 1-5 ml	PIP1-5ML	1	EA	\$ 220.00	\$ 220.00	CHARM	N	N	3-7 days
	Included w/NSN	Microtube holder	MT-HLDR	1	EA	\$ 10.00	\$ 10.00	CHARM	N	N	3-7 days
	Included w/NSN	Stopping Solution Holder	MOD-125ML-TP	1	EA	\$ 35.00	\$ 35.00	CHARM	N	N	3-7 days
	Included w/NSN	Dispenser, 1 ml	DISP-1ML	1	EA	\$ 75.00	\$ 75.00	CHARM	N	N	3-7 days

MICROSCOPE OPTICAL LAB GENERAL PURPOSE [TOC](#)

NIKON INC

MODEL # ECLIPSE 50i-TE-4PA TILT HEAD MIC

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

Website: <http://www.nikonusa.com/template.php?cat=5&grp=25&productNr=50i>

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

**UA's: 3207, 3263, 3912, 4905, 4912, 4914, 9410, F303, N303, N304, N403, N436,
N503, N504, N703, N704**

USAMMA POC: Materiel Acquisition Directorate, 301-619-7403, DSN 343-7403

UNIT PRICE: \$7,009.80

System Description: This is a standard laboratory microscope for use in variety of clinical specialty setting. It includes objectives at the following magnification 4X, 10X, 40X, and 100X. It is also adaptable for high resolution bright field, dark field, EPI-Fluorescence and phase contrasts use. The light source (bulb), power cord, and optics interchangeable with E400 (NSN 6650-01-501-2807); The body tube contains access port in back adaptable for use with a camera using "C" mount adapter. It comes with case.



**Microscope
Model # ECLIPSE 50i-TE-4PA**



**Case, Microscope 50i
Model # 92405**

MICROSCOPE OPTICAL LAB PHYSICAL AND ENVIRONMENTAL SPECIFICATIONS

Dimensions	Height	22 inches
	Width	17 inches
	Depth	12.7 inches
	Cube	2.93 cu ft
Weight		40 lbs
Operating Temperature Range		50° F to 95° F
Storage Temperature Range		Not to exceed 105 °F
Relative Humidity (in use)		Less than 85%, noncondensing
Relative Humidity (storage)		Less than 90%, noncondensing
Power Requirements		110/220 volts; 50/60 Hz
Amps		9 amps
Watts		148 watts

**MICROSCOPE OPTICAL LAB
CONSUMABLES/ACCESSORIES (START-UP)**

NSN	NOTES	Nomenclature	PN	QTY	UI	Unit Price	Total Price	MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
6240015429964	Included W/NSN	Bulb, Halogen	84246	1	EA	\$14.07	\$14.07	Nikon Inc.	Indef.	N	3
6650015426063	Included W/NSN	Power cord, grounded three wire	79035	1	EA	\$10.89	\$10.89	Nikon Inc.	Indef.	N	3
	Included W/NSN	Case Hardened, shippable, for 50i/55i	92405	1	EA	\$525.00	\$525.00	Nikon Inc.	Indef.	N	3
6640000744191	IN UA	Glass Slide	3703-2F	12	PG72s	\$4.37	\$52.44	ELITE MED PROD	Indef.	N	3
6640006180066	IN UA	Glass Covers	M6020-2	2	PG	\$1.88	\$3.76	CARDINAL HEALTH	Indef.	N	3

MICROSCOPE OPTICAL LAB CONSUMABLES (RESUPPLY)

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	MFG	Shelf Life, months
6240015429964	Bulb, Halogen	84246	1	EA	\$14.07	\$14.07	Nikon	Indef.
6640000744191	Glass Slide	3703-2F	12	PG72s	\$4.37	\$52.44	ELITE MED PROD	Indef.
6640006180066	Glass Covers	M6020-2	2	PG	\$1.88	\$3.76	CARDINAL HEALTH	Indef.

REFRIGERATOR-FREEZER MECHANICAL FIELD WARD TOC

**MARVEL INDUSTRIES DIV OF NORTHLAND CORP
MODEL # 6CRF**

Manufacturer's PHONE: (765) 962-2521 FAX (765) 962-2493

WEB SITE: www.marvelindustries.com

AAC "W" ITEM NSN 4110-01-180-3420

AAC "J" ITEM NSN 4110-01-425-8009

UA's: 3263, 3723, 3912, 4723, 4905, 4912, 4913, 4914, 9410, F302, F306, F308, F309, F310, M308, M309, M310, N303, N306, N308, N309, N310, N313, N321, N503, N506, N513, N703, N706, N713, N725

**USAMMA POC: Materiel Acquisition Directorate, 301-619-7403, DSN 343-7403
UNIT PRICE: \$660.60**

Description: Six cubic foot under counter 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 .7 cubic foot freezer capacity. Dual voltage capable, carrying handles and olive drab paint scheme.



Characteristics

Overall Dimensions		
	Height	34 in
	Width	23 7/8 in
	Depth	24 in
Weight		120 lbs
Cubic Ft		17.2 Cu Ft
Refrigerant		Uses R-134A Refrigerant
Power Supply		Dual voltage 120/220 VAC 50/60 Hz 320 Watts, 1200 Watt surge

REFRIGERATOR-FREEZER OPTIONAL ACCESSORY

NSN	Notes	Nomenclature	PN	QTY	UI	Unit Price	Total Price	MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
6685015296385	OPTIONAL ITEM	Temperature Monitor/Alarm	TMAF	1	EA	\$218.00	\$218.00	MARVEL INDUSTRIES	N/A	N	2