



**VETERINARY
EQUIPMENT SET
SERVICE FIELD**

**Support and Consumables
Handbook**

6545-01-508-6996

UA 4913

LIN V96918

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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,
Equipment Publications Division,
Fort Detrick, MD

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

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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>BALANCE ELECTRONIC</u>	(L) 6640-01-454-9198	1
2	<u>BLENDER LABORATORY</u>	(L) 6640-01-533-2171	5
3	<u>CENTRIFUGE LABORATORY</u>	(L) 6640- 01-531-1374	9
4	<u>COUNTER ELECTRONIC</u>	(L) 6625-01-495-3367	13
5	<u>INCUBATOR CULTURE</u>	(L) 6640-01-543-2928	15
6	<u>LUMINOMETER W/SOFT CASE</u>	(L) 6630-01-536-1456	17
7	<u>REFRIGERATOR FREEZER</u>	(J) 4110-01-425-8009	19

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: Customer Relations Management 301-619-4301/4316, DSN 343-4301/4316

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

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 V/60 Hz or 220 V/50 Hz,
Amps		Not Available
Watts		Not Available

**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
	No Accessories or Consumable									
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

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: Customer Relations Management 301-619-4301/4316, DSN 343-4301/4316

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
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
7610015437003		Operator/Maintenance Manual	24-P002	2	EA	\$5.00	\$5.00	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
7610015437003	Operator/Maintenance Manual	24-P002	2	EA	\$5.00	\$5.00	K&R TECHNOLOGIES	indef	N	3

CENTRIFUGE LABORATORY TOC

**Distributed by: GOVERNMENT SCIENTIFIC SOURCE
Manufactured by: THERMO ELECTRON CORPORATION
MODEL # IEC426PACKAGEEA**

Distributor's Phone: (703) 734-1805 FAX: (703).734.1803

Manufacturer's Phone: (508) 482-7000 FAX: 781-622-1207

Website: <https://www1.fishersci.com/Coupon?cid=1328&gid=138417&details=Y>

Website: <http://www.thermo.com/com/cda/product/detail/1,1055,23636,00.html>

AAC "J" ITEM NSN 6640-01-531-1374

UA's: 3263, 4905, 4912, 4913

USAMMA POC: Customer Relations Management 301-619-4301/4316, DSN 343-4301/4316

UNIT PRICE: \$2,473.74

System Description: The kit comes with a compact simple and economical benchtop centrifuge for basic research and clinical applications. Features At-Speed timing mode provides greater quality control over sample preparation. It comes with case.



Centrifuge

Operating Features:

- Capacity: 300mL (6 x 50mL)
- Maximum speed/force: 8500rpm/4680xG
- Microprocessor-controlled membrane touch panel for setting speed and run time
- LCD readout for both speed and run time
- Variable speed control 1000 to 8500rpm in 100rpm increments
- Timer: 30 minutes; Run time can be set from 5 seconds to 1 minute (in 5-sec. increments), from 1 to 5 minutes (15-sec.), and from 5 to 30 minutes (1-min.)
- HOLD position for continuous runs
- At-Speed timing mode: When activated, unit delays countdown until rotor reaches operating speed
- Accepts variety of tube sizes from 1.5 to 50mL based on rotor/adaptor configuration (rotors and adapter sold separately)
- Safety Features
- Cover interlock prevents lid from being opened until rotor reaches a complete stop Quiet-running motor generates less than 52dBA



**Rotor Centrifuge Swing Bucket 4
Place**

**CENTRIFUGE MICRO-HEMATOCRIT
PHYSICAL AND ENVIRONMENTAL SPECIFICATIONS**

Dimensions	Height	10.75 inches
	Width	13.25 inches
	Depth	15.75 inches
	Cube	1.298 cu ft
Shipping Weight		29 lbs
Weight		24 lbs
Operating Temperature Range		39.2° to 95° F
Storage Temperature Range	No	specific temp range
Relative Humidity (in use)		30 to 60 % non-condensing
Relative Humidity (storage)		30 to 60 % non-condensing
Power Requirements		120 volts, 50/60 Hz,
Watts		175Watts(600BTU/hr)

**CENTRIFUGE MICRO-HEMATOCRIT
ACCESSORIES AND CONSUMABLES (START-UP) PACKAGE**

NSN	NOTES	Nomenclature	PN	QTY	UI	Unit Price	Total Price	MFG	Shelf Life, months	Refrig Y/N	CONU S Ship Time, weeks
6640014963020	INCLUDED W/NSN	Centrifuge Laboratory	05-101-7	1	EA	\$1859.68	\$1859.68	Fisher Scientific	indef	N/A	3
6545015302001	INCLUDED W/NSN	Case, Centrifuge Microscope	DSI-041505-1000SEA	1	EA	\$571.29	\$571.29	GSS	indef	N/A	3
6640014953773	INCLUDED W/NSN	Rotor Centrifuge Swing Bucket 4 Place Hd 50ml Tube 3900 Max Spd	05-101-9	1	EA	\$688.94	\$688.94	Fisher Scientific	indef	N/A	3
6640014955598	INCLUDED W/NSN	Insert Tu 5-7ml7slots	05-101-16	1	PG	\$148.28	\$148.28	Fisher Scientific	indef	N/A	3
6640014955607	INCLUDED W/NSN	Insert Tu 7-10ml4slot	05-101-15	1	PG	\$153.15	\$153.15	Fisher Scientific	indef	N/A	3
6640014982122	INCLUDED W/NSN	Insert Tube115ml Lg2s	05-101-13	1	PG	\$148.28	\$148.28	Fisher Scientific	indef	N/A	3
7610015437003	INCLUDED W/NSN	Maintenance/Operator Manual	IM-426	2	EA	\$40.00	\$80.00	Thermo Elecron Corporation	N/A	N	3

CENTRIFUGE MICRO-HEMATOCRIT CONSUMABLES (RESUPPLY) PACKAGE

NSN	Nomenclature	PN	QTY	UI	Unit Price	Total Price	MFG	Shelf Life, months	Refrig Y/N	CONUS Ship Time, weeks
6640014953773	Rotor Centrifuge Swing Bucket 4 Place Hd 50ml Tube 3900 Max Spd	05-101-9	1	EA	\$580.00	\$580.00	Fisher Scientific	indef	N/A	3
6640014955598	Insert Tu 5-7ml7slots	05-101-16	1	PG	\$97.18	\$97.18	Fisher Scientific	indef	N/A	3
6640014955607	Insert Tu 7-10ml4slot	05-101-15	1	PG	\$97.18	\$97.18	Fisher Scientific	indef	N/A	3
6640014982122	Insert Tube115ml Lg2s	05-101-13	1	PG	\$113.00	\$113.00	Fisher Scientific	indef	N/A	3
7610015437003	Maintenance/Operator Manual	IM-426	2	EA	\$40.00	\$80.00	Thermo Elecron Corporation	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: Customer Relations Management 301-619-4301/4316, DSN 343-4301/4316

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
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 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: Customer Relations Management 301-619-4301/4316, DSN 343-4301/4316

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



120Q Incubator

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	BARNSTEAD	N/A	N	3
N/A	Service Manual		2	EA	Free	Free	BARNSTEAD	N/A	N	3

LUMINOMETER W/SOFT CASE & LITHIUM BATTERY TOC

CHARM SCIENCES INC

MODEL #: NOVALUM

Manufacturer's PHONE: (978) 722-1433 FAX (978) 659-6283

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

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

UA's: 4913, 4914

USAMMA POC: Customer Relations Management 301-619-4301/4316, DSN 343-4301/4316

UNIT PRICE: \$4,300.00

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 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 to 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		2	EA	Free	Free	Charm Sciences Inc			
	Operator Manual		2	EA	Free	Free	Charm Sciences Inc	N/A	N	3

REFRIGERATOR-FREEZER MECHANICAL FIELD WARD TOC

MARVEL INDUSTRIES DIV OF NORTHLAND CORP

MODEL # 6CRF

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

Website: 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: Customer Relations Management 301-619-4301/4316, DSN 343-4301/4316

UNIT PRICE: \$1,313.38

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"
	Width	23 7/8"
	Depth	24"
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	



Temperature Monitor/Alarm

- Provides visual and audible alarm
- Covers -50° C to +50° C range
- May be wall mounted
- 100 hour battery back-up mode shuts down all circuitry except alarms in case of power failure

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