

**MES LABORATORY  
SPECIAL OPERATIONS  
FORCES**

**Support and Consumables  
Handbook**

**6545-01-543-4501**

**UA 505A**

**LIN E56611**

*Semper Responsus*

**REVISED**

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**U.S. Army Medical Materiel Agency**



The information contained in this manual was prepared by the

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Office of PM, Medical Devices  
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693 Neiman Street  
Fort Detrick, MD 21702-5001

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Customer Relationship Management  
301-619-1288/4301, DSN 343-1288/4301, or at:

[USAMMACRM@amedd.army.mil](mailto:USAMMACRM@amedd.army.mil)

**For additional equipment item information, visit the  
USAMMA Medical Equipment Literature section on the web at  
<<http://www.usamma.amedd.army.mil/med equip lit cdroms.cfm>>**

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Please provide all comments at the website link listed below.

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## CENTRIFUGE LAB 5ML TUBES

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**DISTRIBUTOR: FISHER SCIENTIFIC  
MANUFACTURER: IRIS SAMPLE PROCESSING**

**Manufacturer Model# STAT SPIN EXPRESS 2**

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

**Manufacturer's PHONE: (781) 551-0100 FAX: (781) 551-0036**

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

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

**Item Web Link:**

<http://www.statspin.com/express2.htm>

**AAC 'L' ITEM NSN 6640-01-510-9634**

**UAs: 505A**

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

**UNIT PRICE: \$1,990.00**

**System Description:** Ideal for rapid plasma for coagulation tests, sample prep for stat chemistry, cardiac profiles for the ER, sharp separations for send-out, and anywhere rapid serum or plasma is needed. The centrifuge produces complete blood separations in 3 minutes or less. Quiet and compact, the unit offers simple operation; simply load samples, select desired program, and press START. Preprogrammed cycles eliminate confusion about speed and run time selection. Microprocessor control prevents overshoot and maintains speed and time to within 5 percent. "Incomplete Separation" alert ensures consistent results. Cover interlock system, chamber gasket, and mechanical containment provide operator safety. Surfaces are 10 percent bleach-compatible and polypropylene rotor makes cleaning easy.

- Features:**
- Speed/force of 8500 rpm/ 4400 xg ( $\pm 5\%$ )
  - Cycle time:
    - Quick spin 30 seconds
    - Normal 120 seconds
    - Hard spin 180 seconds
    - Acceleration time 20 seconds to 95% of speed
    - Deceleration time <30 seconds
  - No sample transfer – tube accommodation accepts standard glass or plastic up to 5 mL blood collection tubes (13 x 75 mm)
  - Unique rotor design minimizes the chance of breakage
  - Self-diagnostics – error code lights help reduce chance of operator error and aid in instrument trouble-shooting



**CENTRIFUGE LAB 5ML TUBES  
PART # STAT SPIN EXPRESS 2  
NSN 6640015109634**

**CENTRIFUGE LAB 5ML TUBES  
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

<b>Item Dimensions</b>	<b>Height (Inches)</b>	<b>6</b>
	<b>Width (Inches)</b>	<b>6.6</b>
	<b>Length (Inches)</b>	<b>8.6</b>
	<b>Cube (Cubic Feet)</b>	<b>0.1971</b>
	<b>Weight</b>	<b>5 lbs</b>
<b>Ship Dimensions</b>	<b>Height (Inches)</b>	<b>0</b>
	<b>Width (Inches)</b>	<b>0</b>
	<b>Length (Inches)</b>	<b>0</b>
	<b>Cube (Cubic Feet)</b>	<b>0</b>
	<b>Weight</b>	
<b>Storage Temp</b>		<b>41 to 104 °F</b>
<b>Operating Temp</b>		<b>41 to 104 °F</b>
<b>Storage Humidity</b>		
<b>Operating Humidity</b>		
<b>Amps</b>		<b>1.7</b>
<b>Watts</b>		<b>308</b>
<b>Power Requirements</b>	<b>100-240 VAC, 50/60 Hz for 24 VDC power convertor</b>	
<b>Notes</b>		

**CENTRIFUGE LAB 5ML TUBES  
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Iris Sample Processing	DIST PN Fisher Scientific	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6640015109634		Centrifuge Lab 5ML Tubes		STAT SPIN EXPRESS 2	1	EA	\$1,990.00	\$1,990.00	N/A
	Awaiting NSN	Inserts, Rotor, 13x75mm Tubes	SV-01		1	4/PG	Incl w/NSN 9634	Incl w/NSN 9634	N/A
	See Additional Note Below	Liner, Chamber, Disposable	DL01		1	EA	Incl w/NSN 9634	Incl w/NSN 9634	N/A
	Awaiting NSN	Power Supply, Switching, Universal (Includes Power Cord)	01-003553- 001		1	EA	Incl w/NSN 9634	Incl w/NSN 9634	N/A
	Awaiting NSN	Rotor, 4 Place		22-269296	1	EA	Incl w/NSN 9634	Incl w/NSN 9634	N/A
NSN Not Required		Literature Operator			1	EA	Incl w/NSN 9634	Incl w/NSN 9634	N/A
NSN Not Required		Tool, Rotor Removal, 7/16" Nut Driver			1	EA	Incl w/NSN 9634	Incl w/NSN 9634	N/A

**CENTRIFUGE LAB 5ML TUBES  
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Iris Sample Processing	DIST PN Fisher Scientific	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
	Awaiting NSN	Inserts, Rotor, 13x75mm Tubes	SV-01		1	4/PG	\$115.00	\$115.00	N/A
	See Additional Note Below	Liner, Chamber, Disposable	DL01		1	10/PG	\$340.00	\$340.00	N/A
	Awaiting NSN	Tube Sample Processing		22-269-283	1	4/PG	\$25.38	\$25.38	N/A
	Awaiting NSN	Power Supply, Switching, Universal (Includes Power Cord)	01-003553- 001		1	EA	\$205.00	\$205.00	N/A
	Awaiting NSN	Rotor, 4 Place		22-269296	1	EA	\$628.00	\$628.00	N/A

**CENTRIFUGE LAB 5ML TUBES  
ADDITIONAL NOTE:**

Start-up quantity or unit of issue is different from Resupply quantity/unit of issue.

**CENTRIFUGE LAB 5ML TUBES  
WEB LINKS**

**[Click Below for Operator Manual](#)**

**<[http://www.statspin.com/assets/pdfs/55-003910-001E\\_English.pdf](http://www.statspin.com/assets/pdfs/55-003910-001E_English.pdf)>**

## MICROSCOPE DIGITAL 12V

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### MANUFACTURER: MICROSCOPE WORLD

Manufacturer Model# DC3-163

Manufacturer's PHONE: (760) 438-0528 FAX: (760) 438-0553

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

#### Item Web Link:

<http://www.microscopeworld.com/p-865-national-optical-dc3-163-video-microscope-and-software.aspx>

AAC 'L' ITEM NSN 6650-01-510-9488

UAs: 505A, N436

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

UNIT PRICE: \$2,480.00

**System Description:** Binocular digital and video high power microscope with built-in camera. Allows connection to either TV or LCD projector or to a computer through the USB port. Objective turret (nosepiece) is in reverse position to permit easier changing and positioning of specimen slides.

- Features:**
- Objective lenses: 4x, 10x, 40xR, 100xR, oil immersion
  - Eyepieces: Widefield 10x/18 mm eyepiece
  - Total magnification: 40x, 100x, 400x, 1000x
  - 30° inclined binocular eyepieces with dual diopters and interpupillary adjustment 54 to 76 mm. Three-position sliding rod directs light 100 percent to binocular eyepieces or camera or 70 percent to camera and 30 percent to binocular eyepieces
  - Specimen stage: large 140 x 135 mm (5.5 x 5.25 inches) with built-in, low-profile, ball-bearing-mounted mechanical specimen holder with low-position coaxial controls, 70 by 50 mm (xy) movement with graduations of 0.1 mm. -1.25 NA Abbe condenser has rack & pinion focusing, iris diaphragm, and swing-out filter holder with clear, blue, green, and yellow filters supplied
  - Focusing: coaxial coarse and fine focusing controls; coarse has tension adjustment, fine is graduated
  - Illumination: 12 V, 20 W halogen lamp with variable rheostat control (embedded)
  - Includes power pack that automatically converts input of 100-240 VAC, 50/60 Hz to 12 VDC output. UL and CE listed

#### System Requirements:

- Windows 98 or above, Mac 9.2; will not work with Vista or other 64-bit operating systems
- RAM 128 MB or above, 256 MB of RAM for Motic Images to operate properly on Win XP
- Intel Pentium CPU 200 MHz or above
- Hard disk 200 MB or above
- CD-ROM drive
- USB port



**MICROSCOPE DIGITAL 12V  
PART # DC3-163  
NSN 6650015109488**

**MICROSCOPE DIGITAL 12V  
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

<b>Item Dimensions</b>	<b>Height (Inches)</b>	<b>16</b>
	<b>Width (Inches)</b>	<b>7.25</b>
	<b>Length (Inches)</b>	<b>9.25</b>
	<b>Cube (Cubic Feet)</b>	<b>0.6209</b>
	<b>Weight</b>	<b>13.9 lbs</b>
<b>Ship Dimensions</b>	<b>Height (Inches)</b>	<b>23</b>
	<b>Width (Inches)</b>	<b>12</b>
	<b>Length (Inches)</b>	<b>18</b>
	<b>Cube (Cubic Feet)</b>	<b>2.875</b>
	<b>Weight</b>	<b>21 lbs</b>
<b>Storage Temp</b>		<b>-70 to 140 °F</b>
<b>Operating Temp</b>		<b>-50 to 120 °F</b>
<b>Storage Humidity</b>		<b>40 to 95%</b>
<b>Operating Humidity</b>		
<b>Amps</b>		
<b>Watts</b>		
<b>Power Requirements</b>	<b>100-240 VAC, 50/60 Hz for 12 VDC power convertor</b>	
<b>Notes</b>	<p><b>Camera Specifications:</b></p> <ul style="list-style-type: none"> <li>• Self-powered through computer, connects via USB 2.0 port</li> <li>• 0.4 mega pixel camera built into microscope</li> <li>• 1/3" CCD Imaging Device</li> <li>• Connects to TV or LCD projector with RCA or S-Video connection (NTSC Analog signal) - 480 TV lines</li> <li>• Captures moving images at 30 frames per second</li> <li>• Effective pixels 712 x 582</li> <li>• Includes Motic Images Version 2.0 software</li> <li>• Images can be captured and saved as either .jpg, .bmp or .mig files</li> </ul>	

**MICROSCOPE DIGITAL 12V  
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Microscope World	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6650015109488		Microscope Digital 12V	DC3-163		1	EA	\$2,480.00	\$2,480.00	N/A
	Awaiting NSN	Cord, Power w/Power Supply Converter	D905		1	EA	Incl w/NSN 9488	Incl w/NSN 9488	N/A
6515015313533		Cable, USB 6 Ft.	094417		1	EA	Incl w/NSN 9488	Incl w/NSN 9488	N/A
6525011399314		Cable, Video Signal	C7033GA		1	EA	Incl w/NSN 9488	Incl w/NSN 9488	N/A
NSN Not Required		Software, Motic Image Version 2.0	D-CD2		1	EA	Incl w/NSN 9488	Incl w/NSN 9488	N/A

**MICROSCOPE DIGITAL 12V  
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Microscope World	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
	Awaiting NSN	Bulb, 12V 20W Halogen Bi-Pin	800-160		1	EA	\$20.00	\$20.00	N/A
	Awaiting NSN	Cord, Power w/Power Supply Converter	D905		1	EA	\$65.00	\$65.00	N/A
6515015313533		Cable, USB 6 Ft.	094417		1	EA	\$9.66	\$9.66	N/A
6525011399314		Cable, Video Signal	C7033GA		1	EA	\$89.00	\$89.00	N/A
6650016077600		Case Optical Instrument Large	975-002		1	EA	\$98.00	\$98.00	N/A
NSN Not Required		Software, Motic Image Version 2.0	D-CD2		1	EA	\$39.00	\$39.00	N/A

**MICROSCOPE DIGITAL 12V  
WEB LINKS**

**[Click Below for Motic 2.0 Software Download](#)**

**<<http://www.microscopeworld.com/MSWorld/software.aspx>>**

**[Click Below for Detailed Microscope Information](#)**

**<<http://www.nationaloptical.com/products/digital/models/DC3-163.html>>**

**[Click Below for Microscope Diagram](#)**

**<<http://www.nationaloptical.com/products/PDF%20Microscope%20Diagrams/DC3-163Diagram.pdf>>**

**[Click Below for Operator Manual](#)**

**<<http://www.nationaloptical.com/products/PDF%20Supplement%20Guides/SupplementDC3-156-S.DC3-163.DC3-420TH.DAC-3.pdf>>**

## REFRACTOMETER HAND

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**MANUFACTURER: REICHERT, INC.**

**Manufacturer Model# 1310400A**

**Manufacturer's PHONE: (716) 686-4500 FAX: (716) 686-4545**

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

**Item Web Link:**

**<http://www.reichertai.com/products.html?productID=14>**

**AAC 'L' ITEM NSN 6650-00-933-3218**

**UAs: 263C, 505A, 512A, 905C, 912B, N503, N703**

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

**UNIT PRICE: \$2,480.00**

**System Description:** This is a high precision hand-held clinical refractometer which determines urine specific gravity, protein concentration in plasma or serum, and total solids in other aqueous solutions. Automatic temperature compensation provides accurate, reproducible results instantly using an hermetically sealed, liquid-filled prism that changes index with temperature. All readings are automatically temperature compensated which eliminates errors and additional work associated with measuring temperature and applying a correction factor or using a correction chart. The TS Meter provides readings with a degree of accuracy, reproducibility and speed significantly better than those obtained with urinometers or with nontemperature compensated instruments. Accuracy and reproducibility are comparable to those of more costly bench-type Abbe refractometers. No other hand-held refractometer offers such an exacting and precise compensation method.

**Features:**

- Designed according to the Goldbeg method of refractometry
- Urine specific gravity scale reading (range 1.000-1.035) with precision to 0.001 units
- Serum/plasma protein concentration (range 2.5-15 grams/100mL) with precision of 0.1 grams/100mL
- Refraction (0-320) with precision to 2
- Small sample required – just 0.005mL – for accurate analysis
- Accuracy and reproducibility comparable to benchtop refractometers

**NOTE: A protective case is provided.**



**REFRACTOMETER HAND WITH CASE**  
**PART # 1310400A**  
**NSN 6650009333218**

**REFRACTOMETER HAND  
PHYSICAL & ENVIRONMENTAL SPECIFICATIONS**

<b>Item Dimensions</b>	<b>Height (Inches)</b>	<b>1.25</b>
	<b>Width (Inches)</b>	<b>1.25</b>
	<b>Length (Inches)</b>	<b>6.4</b>
	<b>Cube (Cubic Feet)</b>	<b>0.217</b>
	<b>Weight</b>	
<b>Ship Dimensions</b>	<b>Height (Inches)</b>	<b>0</b>
	<b>Width (Inches)</b>	<b>0</b>
	<b>Length (Inches)</b>	<b>0</b>
	<b>Cube (Cubic Feet)</b>	<b>0</b>
	<b>Weight</b>	<b>0.37 lbs</b>
<b>Storage Temp</b>		<b>Never expose to temps above 150 °F</b>
<b>Operating Temp</b>		<b>60 to 100 °F</b>
<b>Storage Humidity</b>		
<b>Operating Humidity</b>		
<b>Amps</b>		
<b>Watts</b>		
<b>Power Requirements</b>	<b>None</b>	
<b>Notes</b>		

**REFRACTOMETER HAND  
ACCESSORIES & CONSUMABLES - STARTUP**

NSN	Notes	Nomenclature	MFR PN Reichert, Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6650009333218		Refractometer Hand	1310400A		1	EA	\$2,480.00	\$2,480.00	N/A
NSN Not Required		Case, Refractometer	10400-063		1	EA	Incl w/NSN 3218	Incl w/NSN 3218	N/A
NSN Not Required		Literature, Operation	10400A- 101		1	EA	Incl w/NSN 3218	Incl w/NSN 3218	N/A

**REFRACTOMETER HAND  
ACCESSORIES & CONSUMABLES - RESUPPLY**

NSN	Notes	Nomenclature	MFR PN Reichert, Inc.	DIST PN	QTY	UI	Unit Price	Total Price	Shelf Life Mon.
6650014698979		Cover, Sample & Wire	10400-860		1	EA	\$16.00	\$16.00	N/A
6650015727447		Stand, Illuminated 110V w/Cord	13104060		1	EA	\$490.00	\$490.00	N/A
6650015727516		Lamp, Replacement for 110V Stand	13104070		1	EA	\$10.00	\$10.00	N/A
NSN Not Required		Case, Refractometer	10400-063		1	EA	\$13.00	\$13.00	N/A

**REFRACTOMETER HAND  
WEB LINKS**

**[Click Below for Product Brochure](#)**

**<<http://www.reichertai.com/files/brochures/1149781624.pdf>>**

**[Click Below for Operator Manual](#)**

**<<http://www.reichertai.com/files/manuals/1094740009.pdf>>**



