



PRODUCT CATALOG



25+ YEARS OF SCIENTIFIC EXPERTISE

C & A Scientific

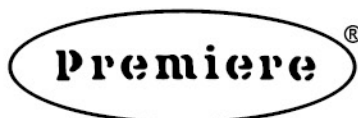


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C & A Scientific

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CE ISO9001

C & A Scientific: 25+ Years of Scientific Expertise

At our beginnings, we started out as a very small group of focused professionals working out of our founder's basement for a few select customers. Now, over 25 years later, we design and manufacture innovative microscopes and laboratory products to medical, educational, and retail markets around the globe.

Today, we are a family run business with a direct emphasis on client and employee satisfaction. Our goal is to exceed the expectations of every client by offering outstanding customer service, increased product flexibility, and great value. In fact, as experts in manufacturing and distribution, we're involved in every stage of the product from design and production to quality control and completion.

About Premiere® Microscopes and Laboratory Instruments

Our Premiere® product line ranges from professional microscopes to full-grade laboratory instruments and centrifuges, all focused on performance, affordability, and quality.

- Our factories are ISO 9002 certified and CE Certified with over two decades of experience in manufacturing.
- Our factories are FDA registered for medical device manufacturing.
- We continually bring to market economically priced products to fit a variety of medical applications and budgets.
- Private labeling and custom manufacturing is available – contact your sales representative for more information on this program.
- We believe in innovation. We get excited when we design a new microscope, centrifuge, or lab instrument.
- We are focused on the future. We support STEM (Science, Technology, Engineering, and Math)-based learning to help children and future scientists develop the skills they need to become leaders of tomorrow.

Become a Distributor for Premiere Products

Authorized retailers should contact us at sales@cnascientific.com and provide a copy of your reseller certificate. After approval and processing, you will receive dealer discounted pricing and access to start offering our products.

How to Order / More Questions

Current customers may email us at sales@cnascientific.com with product information. You can also fax in your orders to 703.330.7510.



Professional Microscopes

Our **MOHS applicable Microscope** provides optical performance ideal for the MOHS surgery application. Outstanding design features include a contemporary ergonomic body, wide mechanical stage which can hold two slides for easy comparison, and a frontward mounted pull-hatch condenser for easier light bulb changes. The external adapter and quality objectives offer the user more convenient operation space and better observation effects with a large 20 mm field of view.



Model MIS-5000

Features:

- 30° inclined head rotates 360°
- Pair of high eye-point 10X eyepieces 20mm
- Interpupillary distance adjustment from 55mm-75mm
- Plan objectives: 2X, 4X, 10X, 40XR
- Double layer mechanical stage can hold two slides for comparison
- Stage size: 145 mm × 150 mm. Moving range: 90 mm × 55 mm
- Swing out N.A.1.25 Abbe condenser with iris diaphragm & three color filters
- Coaxial coarse & fine focusing adjustment with rack and pinion mechanism. Fine focusing scale value 0.002mm
- High brightness Kohler illumination
- 12V/20W variable intensity halogen bulb
- Wide range voltage for international markets - 85V-240V
- Spare bulb, fuse, immersion oil, dust cover
- Size 13" x 8.5" x 15" (H)
- Shipping weight: 21 lbs
- CE Certified

Professional Microscopes

Our professional binocular microscope incorporates all the best features of a quality laboratory instrument. The objectives face backwards for more space and the base has a comfortable plastic plating over the metal for less heat conduction. The field diaphragm adjustment built into the illuminator offers Koehler illumination for more lighting control options.



Features:

- 30° inclined binocular Siedentopf style head, rotatable 360°
- Pair of 10X widefield eyepieces, interpupillary distance adjustable 55-75mm
- 4 DIN achromatic parfocal and parcentered objectives: 4X (N.A. 0.10), 10X (N.A. 0.25), 40X (N.A. 0.65), 100X (oil immersion, N.A. 1.25)
- Magnifications: 40X to 1000X
- 5½" x 5¼" (140x135mm) mechanical stage (range of travel 45x80mm) with coaxial drive, low knob position
- Abbe condenser NA 1.25 & iris diaphragm with filter holder including blue filter
- Field diaphragm
- Coaxial coarse and fine focusing
- Built-in variable intensity halogen illuminator, 6V 20W
- Wide range voltage for international markets –100V-240V
- Detachable UL approved power cord
- Spare bulb, fuse, immersion oil, vinyl dust cover, rubber eyeguards
- Size: 7" x 9" x 15" H, N.W.: 13¾ lbs.
- CE certified

Replacement lamp: MA07

Model MRP-3000

Shipping weight: 16 lbs.

Trinocular, Model MRP-3000T

With third vertical eyetube suitable for camera attachment (sold separately).

Third eyepiece not included.

Shipping Weight: 16 lbs.

Dual View, Model MRP-3000D

Two binocular heads with slide type interpupillary adjustment on adapter connect to the base to allow two users simultaneously, ideal for one-on-one teaching.

Includes four 10X WF eyepieces.

Shipping weight: 19 lbs.

Model MRP-5000

Same as MRP-3000 but with five objectives including 60XR (N.A. 0.90)

Shipping weight: 16 lbs.

Trinocular, Model MRP-5000T

With third vertical eyetube suitable for camera attachment (sold separately).

Third eyepiece not included.

Shipping weight: 16 lbs.

Dual View, Model MRP-5000D

Two binocular heads with slide type interpupillary adjustment on adapter connect to the base to allow two users simultaneously, ideal for one-on-one teaching.

Includes four 10X WF eyepieces.

Shipping weight: 20 lbs.



Research Microscopes

Designed to meet the demands of modern laboratory microscopy, our research microscopes offer the same optics as our larger professional scopes with ball bearing movements in focusing and stage systems to ensure long life, reliability, and accuracy with various models to meet a wide range of needs.



Binocular, Cordless, Model MRJ-03L

Features:

- 30 degree inclined binocular Siedentopf style head, rotatable 360°
- Pair of 10X widefield eyepieces, interpupillary distance adjustable 55-75mm
- 4 DIN objectives: 4X (N.A. 0.10), 10X (N.A. 0.25), 40X (N.A. 0.65), 100X (oil immersion, N.A. 1.25)
- Magnifications: 40X to 1000X
- 4½" x 5" (130x125mm) Mechanical stage with coaxial drive/rack and pinion adjustment, low knob position
- Abbe condenser NA 1.25
- Iris diaphragm with filter holder including blue filter
- Coaxial coarse and fine focusing
- Wide range voltage for international markets - 100V-240V
- Includes spare fuse, immersion oil, vinyl dust cover
- Variable intensity 4.5V LED cool illumination system (no spare bulb)
- Built in rechargeable NiMH battery with detachable AC power cord
- Size: 6 ½" x 8 ¼" x 15" H, N.W." 10 ½ lbs.
- Shipping weight: 12 lbs. Case of 2. Weight: 24 lbs.

CE Certified



Monocular, Cordless, Model MRJ-01L

- 45° inclined monocular head, rotatable 360° with pointer
- 4 DIN objectives: 4X (N.A. 0.10), 10X (N.A. 0.25), 40X (N.A. 0.65), 100X (oil immersion, N.A. 1.25)
- Magnifications: 40X to 1000X
- 4½" x 5" (130x125mm) Mechanical stage with coaxial drive/rack and pinion adjustment, low knob position
- Abbe condenser NA 1.25
- Iris diaphragm with filter holder including blue filter
- Coaxial coarse and fine focusing
- Wide range voltage for international markets - 100V-240V
- Includes spare fuse, immersion oil, vinyl dust cover
- Variable intensity 4.5V LED cool illumination system (no spare bulb)
- Built in rechargeable NiMH battery with detachable AC power cord
- Size: 6 ½" x 8 ¼" x 15" H, N.W." 10 ½ lbs.
- Shipping weight: 11 lbs. Case of 2. Weight: 23 lbs.

CE Certified



Dual View, Model MRJ-03D

Two binocular heads with slide type interpupillary adjustment on adapter connect to the base to allow 2 users simultaneously, ideal for one-on-one teaching. Includes four 10X WF eyepieces.

Shipping weight: 16 lbs

Trinocular, Model MRJ-03T

Same features as MRJ-03 with third vertical eyetube suitable for camera attachment (sold separately). Third eyepiece not included.

Shipping Weight: 12 lbs.

Student Microscopes

Our MS series are some of the best student microscopes in the market today. With extra features such as the rotatable head, fine focus control, and the option to add the mechanical stage, these scopes are a popular choice for educational use. Quality metal construction, with optics conforming to the universal standards (DIN) for microscopes, and 5 year warranty makes these reliable microscopes a great value. Energy efficient LED lighting system is cool to the touch and consumes very little power with average life span of 100,000 hours.



Model MS-01L

- 10X Eyepiece with scale pointer
- 3 DIN Objectives 4X, 10X, & 40X
- Total magnification 40X to 400X
- 4 5/16" x 4 3/8" (109 x 111mm) stage with clips
- Coaxial coarse & fine focusing
- Disc diaphragm
- Variable intensity 5.5V LED cool illumination system
- Built in rechargeable battery with detachable AC power cord
- Offers option for cordless operation
- Vinyl dust cover

Shipping Weight: 7 lbs. each

Case Quantity: 4, shipping weight: 34 lbs.

Add the optional Mechanical Stage Slide Holder (pictured on **MS-03**) to allow smooth and easy adjustment of slides left/right or backward/forward during observation.

Order Item **MA81** (will be installed on scope before shipping)

The upgraded MS-03L is equipped with four DIN objectives including the 100X oil immersion and comes standard with the mechanical stage slide holder for a full featured, reliable instrument at a fraction of the cost of professional scopes.



Model MS-03L

- 10X eyepiece with scale pointer
- 4X, 10X, 40X & 100X (oil) objectives
- Total 40X to 1000X magnification
- Mechanical stage
- Coarse & fine focus controls
- Spiral condenser N.A. 1.25 with iris diaphragm
- Vinyl dust cover & immersion oil
- Variable intensity 5.5V LED cool illumination system
- Built in rechargeable battery with detachable AC power cord
- Offers option for cordless operation

Shipping weight: 7 lbs. each

Case Quantity: 4, shipping weight: 34 lbs.

Stereo Zoom Microscopes

With Stereo Zoom Microscopes, once the specimen is brought into focus, you can change the magnification to suit your needs without refocusing. The SMZ is versatile enough for educational, industrial, or medical use in agriculture, geology, archeology, or biology fields. The trinocular version offers the third eyetube for camera attachments (sold separately).



Model SMZ-05

Features:

- 3D system is infinitely variable
- Large 30mm diameter high eyepoint 10X wide field eyepieces with rubber eyeguards for more comfort during extended use
- Binocular observation tubes inclined 45°
- Head rotatable 360°
- Interpupillary distance adjustable 54mm to 75mm
- Horizontal zoom controls at each side of head
- 0.7X to 4.5X objectives for total magnification 7X to 45X
- Field of view range from 32.8mm to 5.1mm diameter
- 30mm to 165mm super long working distance accommodates larger specimens
- Two 15W variable intensity Halogen lamps (top & bottom)
- Adjustable angle top illuminator (vented for longer bulb life)
- Large working observation stage 8" x 9½"
- 95mm Frosted glass stage plate black & white contrast plate
- Focusing knob tension control adjusts for operator comfort
- Dust cover and spare bulbs included
- Overall size: 9" x 11" x 20½" H.
- Shipping weight: 21 lbs.
- CE certified



Model SMZ-07, Trinocular

Features:

- Third vertical eyetube allows use of camera (sold separately)
- Third 10X eyepiece not included (**MA15A**)
- 3D system is infinitely variable
- Large 30mm diameter high eyepoint 10X wide field eyepieces with rubber eyeguards for more comfort during extended use
- Binocular observation tubes inclined 45°
- Head rotatable 360°
- Interpupillary distance adjustable 54mm to 75mm
- Horizontal zoom controls at each side of head
- 0.7X to 4.5X objectives for total magnification 7X to 45X
- Field of view range from 32.8mm to 5.1mm diameter
- 30mm to 165mm super long working distance accommodates larger specimens
- Two 15W variable intensity Halogen lamps (top & bottom)
- Adjustable angle top illuminator (vented for longer bulb life)
- Large working observation stage 8" x 9½"
- 95mm Frosted glass stage plate black & white contrast plate
- Focusing knob tension control adjusts for operator comfort
- Dust cover and spare bulbs included
- Overall size: 9" x 11" x 20½" H.
- Shipping weight: 21 lbs.
- CE certified

Stereo Microscopes

Our advanced Stereo Microscopes offer built in turret objectives that make it convenient to change magnification. Head can be raised or lowered on post to accommodate various sized specimens. Versatile illumination system offers incident (top) lighting or transmitted (bottom) lighting through the frosted glass stage plate. Precision optics provide a wide field of view with good depth and high resolution. LED lighting offers long lasting cool energy efficient lighting.



Model SMP-13L

1X & 3X Objectives for 10X/30X magnification

Model SMP-24L

2X & 4X Objectives for 20X/40X magnification

Features:

- Stand with 45° inclined binocular stereo head, 360° rotatable
- Pair of 10X widefield eyepieces with rubber eyeguards
- Dual focusing knobs, rack & pinion mechanism
- Incident (top) & transmitted (lower) illuminator LED
- Frosted glass stage plate 95mm diameter with clips
- Additional black & white contrast stage plate
- 3 way switch allows top light, bottom light or off
- Vinyl Dust cover
- Size: 4½" x 7½" x 12"H, N.W.: 4.7 lbs.

Shipping Weight: 7 lbs.

Case Quantity: 6, Weight: 41 lbs.

Stereo Microscopes offer an unreversed, upright image at lower power. Essentially designed for use in dissecting or examining gems, plants, insects or virtually any three-dimensional specimen. Precision optics provide a wide field of view with good depth and high resolution. Rugged metal construction assures years of service at an economical price. These microscopes can be useful in many industrial applications as well as for educational purposes.



SMJ Series

(order by Model # below based on desired magnification)

- Stand with 45° inclined binocular stereo head
- Pair of 10X widefield eyepieces with rubber eyeguards and a diopter adjustment for separate focusing
- Choice of objective: 1X, 2X, 3X or 4X.
Alternate power objectives may be purchased separately.
- Total magnification, 10X, 20X, 30X or 40X.
- A reversible black & white 60mm stage plate with stage clips
- Incident (top) illumination 10W Halogen lamp
- Vinyl Dust cover, spare bulb
- Size: 4½" x 7" x 12" H, N.W.: 5¼ lbs.

Replacement lamp: MA69

Shipping Weight: 7 lbs. Case of 6: 41 lbs.

Additional objectives for SMJ Series (sold separately)

MA61 (1X), MA62 (2X), MA63 (3X), MA64 (4X)

Model #	Objective	Magnification	Field of View	Working Distance
SMJ-01	1X	10X	20 mm	57 mm
SMJ-02	2X	20X	12 mm	80 mm
SMJ-03	3X	30X	6.7 mm	61 mm
SMJ-04	4X	40X	5 mm	57 mm

Microscope Accessories

DIGITAL MICROSCOPE CAMERA EYEPIECE

Better. Faster. Stronger. And more affordable. Our new 5 megapixel Digital Microscope Camera boasts high resolution live color images and an efficient internal processor paired with user friendly software compatible with current Windows® operating systems (including Windows 8®).

Crystal clear images and videos can be efficiently saved to your computer via USB cable (included).

Can be fitted on any standard 23mm microscope eye tube (replacing the existing eyepiece) and includes adapter sleeve for both 30mm and 30.5mm for compatibility with most stereoscopes. Featuring built-in C-mount compatibility and 23mm reduction lens adapter, our camera can be attached to any instrument with a C-mount or a 23mm photo port, including microscopes, telescopes, endoscopes, and others.



MA89	Specifications
Mega Pixels	5MP
Resolution	2592 x 1944
Dimensions	50mm x 55mm x 40.5mm
Interface	USB 2.0
Sensor Type	1/2.5" true color CMOS
Pixel Size	2.2um x 2.2um
Frame Rate	@640X 48: 30fps; @2592X1944: 15fps
Auto White Balance	Yes
Exposure	Manual/Auto
Image Format	JPG/BMP/PNG/GIF
Video Format	AVI
Operating Systems Supported	Win 8/Win 7 (32 bits & 64 bits)/Vista/XP®
Software	Capture software, free driver
Tube Size	C Port, 23.2mm, includes Adapters D30mm and 30.5mm

*Windows® is a registered trademark of Microsoft Corporation

DIGITAL MICROSCOPE EYEPIECE

This combination digital camera with built-in 10X eyepiece allows you to preview live color digital images directly from your microscope onto your computer via USB port. It fits any standard eyetube (23mm) in place of the usual eyepiece, and it's a great way to save, share, and email images to colleagues and friends!

This camera comes with easy-to-install TS View Digital Imaging Software in order to view, edit, and save images. It's user-friendly, and is compatible with Windows-based operating systems including Windows® XP, Windows Vista®, Windows 7® and Windows 8®

Includes TSView software, 30mm stereo adapter, USB cord & optical micrometer slide (MA88.M). Sold separately Microscope not included.



MA88	Specifications
Resolution	640H x 480V
Max Frame Rate	30fps (640*480)
Interface	USB 2.0/480Mb/s

Microscope Accessories



LENS PAPER

- MA02** 4x6" 100 Sheets, 12/box (240 booklets/case)
MA50 4x6" 50 Sheets, 25/box (400 booklets/case)
MA86 6x8" 100 Sheets, 25/pack (50 booklets/case)

IMMERSION OILS

- MA06** Cedar Wood Oil, 2ml
MA56 Resolve® Oil, Low viscosity ½ oz/15ml, 12/box
MA57 Resolve® Oil, High viscosity ½ oz/15ml, 12/box

REPLACEMENT BULBS

- | Halogen | Tungsten | Fluorescent |
|-------------------|-------------------|------------------|
| MA07 , 20W | MA09 , 20W | MA68 , 5W |
| MA08 , 30W | MA13 , 15W | |
| MA69 , 10W | | |

FUSES 0.5 amp 250V

- MA01**, pkg of 3

PLAN OBJECTIVES

- MA30** 4X Plan Achromatic Objective
MA31 10X Plan Achromatic Objective
MA32 40X Plan Achromatic Objective
MA33 100X Plan Achromatic Objective
MA34 20X Plan Achromatic Objective
MA35 Set of 4 Plan Objectives: 4X, 10X, 40X, 100X
MA36 60X Plan Achromatic Objective

EYEPIECES

- MA15A** WF 10X
MA65 WF 5X Stereo (30mm)

CARRYING CASE

Nylon case has heavy duty straps and zip down side. Separate inner liner provides support. Easy fitting straps inside adjust to secure most models. Pockets built into lining to store accessories.
 12" x 8" x 18"H.

- MA98** Order by each (10/case)

DUST COVER

Nylon fitted dust cover with logo imprinted.

- MA10-L** Fits Models MIS, MRP, MRJ,
MA10-M Fits Model MS series

Centrifuges

Designed for general laboratory use, our quiet, smooth spinning centrifuges are equipped with auto shut off when the lid is raised. The shell is made of Industrial ABS plastic for durability and is easy to clean. Both models have a six tube capacity, equipped with holders suitable for 10ml-15ml tubes. Spare set of holders included. Improved circuitry provides speed accuracy within 50rpm. **CE** certified.



CENTRIFUGE WITH TIMER

Timer can be set for 1-60 minutes and includes a hold function for longer spins. Memory function remembers last operation settings.

Model	XC-1000
Power requirements	80W
Capacity	6 tubes (10ml to 15ml)
Speed	Approximately 4000 rpm
Max	RCF 1790g, radius 10cm/rotor length 5cm
Time range	1-60 minutes
Overall size	10½" diameter x 10"H
Shipping Weight/Carton	13 lbs. Carton size: 12½" x 12½" x 11½"H



CENTRIFUGE WITH TIMER & SPEED CONTROL

Variable one touch programming of speed and time with LED display panel. Memory function remembers last operation settings.

Model	XC-2000
Power requirements	80W
Capacity	6 tubes (10ml to 15ml)
Speed	Range 1000 to 4000 rpm
Max	RCF 1790g, radius 10cm/rotor length 5cm
Time range	1-60 minutes
Overall size	10½" diameter x 10"H
Shipping Weight/Carton	13 lbs. Carton size: 12½" x 12½" x 11½"H



REPLACEMENT TUBE HOLDERS

XC-06 This set of six tube holders can be used to replace those found in both the XC-1000 and XC-2000 models.

For additional Centrifuge options, refer to *Bio-Lion* Centrifuges catalog or visit www.bio-lion.com

Centrifuges



Model XC-2415
Includes 15ml x 12 rotor
~
Aluminum rotor
Plastic buckets



Model XC-2450
Includes 50ml x 6 rotor
~
Aluminum rotor
Stainless steel buckets

CENTRIFUGE WITH TIMER & SPEED CONTROLS

Designed for the general lab with sturdy design and large touch buttons for both speed (1,000 - 4,000 rpm) and timer (1 - 60 min.) settings. Bright and easy-to-read LCD display lets you see the speed and duration from further away. Spins specimens between 1,000 - 4,000 rpm, and the sturdy base has a built-in safety feature that will not allow the lid to open while the rotor is in motion, and a beeping noise to indicate when spinning stops. Available in your choice of the two most popular fixed angle rotor options, 15ml or 50ml, to meet the needs of most common applications. Please order by model number based on the desired rotor. certified.

Specifications	Model XC-2415	Model XC-2450
Rotor options	Rotor: 15ml x 12 Length: 108mm	Rotor: 50ml x 6 Length: 102mm
Speed (rpm)/RCF	1,000	114g
	4,000	1828g
Power	90W	
Voltage	120V - 60Hz. (220V - 50Hz by special order only*)	
Timer	1 - 60min.	
Net weight	Net wt. 20 lbs. - Packaged: 21 lbs. (Ships @25 lbs.)	
Dimensions	17" x 15" x 13" / Shipping carton: 18" x 16" x 14"	

*Models XC-2415-220 and XC-2450-220



MICROHEMATOCRIT CENTRIFUGE

Our new Microhematocrit quickly determines the packed cell volume by high-speed centrifugation of blood by using capillary tubes. This Microhematocrit has a top speed of 12,000 rpm and will spin 24 75mm or shorter capillary tubes at once. The timer can run for a continuous 99 minutes and has safety features that include automatic shut off and a locking lid. The motor is brushless and built to last for high use labs.

certified.


Model	XC-3012
Power Requirements	100W
Voltage	AC110V 60HZ (220V available by special order*)
Maximum Capacity	Hematocrit tubes x 24 (max 75mm length)
Noise	Less than 55 dB(A)
Max. RCF	14,800xg
Speed	12,000 r/min.
Timer	0-99 min.
Gross Weight/Net Weight	33 lbs./28 lbs.
Dimensions (machine)	11" x 9 3/4" x 8 1/2" (H) 300mm x 250mm x 200m (H)
Dimensions (package)	13" x 12 1/2" x 10" (H) 340mm x 330mm x 250m (H)

*Models XC-3012-220

Slide Warmers



SLIDE WARMERS


Ideal for use in the fields of cytology, histology, pathology, and biology for paraffin tissue section mounting. Available in two sizes to fit most needs.  certified under LVD 2006/95/EC.

- Anodized black surface provides contrast
- Digital LED temperature display

Model	XH-2001	XH-2002
Power requirements	200W	100W
Surface Size	25 x 8" (63 x 20cm)	10 x 7" (26 x 18cm)
Capacity	66 slides	23 slides
Temperature range	Room temperature to 75°C ± 3°	
Overall size	25½" x 9¾" x 4"H	10¼" x 8" x 3"H
Shipping Weight/Carton	16 lbs. 28" x 12" x 6"	7 lbs. 12½" x 10½" x 6"

Available in 220V (use #XH-2001-220 or XH-2002-220)

SLIDE WARMERS WITH COVER

Our popular Slide Warmers are now available with a hinged cover to allow for better humidity controlled environments, faster drying, consistent heating, and preservation of samples. Available in two sizes for any size lab.  certified under LVD 2006/95/EC.

- Anodized black surface
- Thermal heating for even disbursement of heat
- LED display screen
- Clear panel in lid for easy viewing

Model	XH-2004	XH-2005
Power requirements	200W (100V, 60Hz)	100W (110V, 60Hz)
Capacity	66 3" x 1" slides	23 3" x 1" slides
Temperature range	Room temperature to 75°C ± 1°	
Overall size	26½" x 11½" x 5"	12" x 9½" x 5"
Shipping Weight/Carton	23 lbs. 29" x 13½" x 7¾"	10 lbs. 14" x 11½" x 7"



Slide Warmers



Precision™ SLIDE WARMERS



This new version of our Slide Warmer has a special aluminum alloy surface plate for improved heat transfer which provides more even heat distribution across the entire surface.

- Anodized black surface provides excellent contrast and traction
- Digital heat control for uniform heating up to 75°C
- LED digital temperature display
- Ideal for histology, cytology, pathology, fertility, clinical, BHO extraction and biology laboratories
- Available in Large full size or Small for space conscious labs
- CE Certified under LVD 2006/95/EC

Model	XH-2011	XH-2012
Power requirements	200W (110V, 60Hz)	
Interior Size	25 x 8" (63 x 20cm)	10 x 7" (28 x 18cm)
Capacity	66 3" x 1" slides	23 3" x 1" slides
Temperature range	Room temperature to 75°C ± 2°	
Overall size	25½" x 10" x 4" H	10¼" x 8" x 3" H
Shipping Weight	27 lbs.	10 lbs.
Carton size (single)	27½ x 12" x 5½" H	12½ x 6" x 10½" H

STEP UP™ SLIDE WARMER

Our **Step Up™** Slide Warmer's unique patent pending design helps you save space while still meeting a busy lab's needs. Holds twice as many slides as a flat unit of the same size and also makes retrieving your slides easier since the end of the slide is not on the flat surface. CE certified under LVD 2006/95/EC.

- Anodized black surface provides contrast with samples
- Removable tray for easy cleaning
- Digital LED temperature display and temperature setting

Model	XH-2003
Power requirements	300W
Surface Size	10¾" x 8¼" 4 "steps"
Capacity	40 3" x 1" slides
Temperature range	Room temperature to 90°C ± 2°
Overall size	14" x 17" x 4" H
Shipping Weight	23 lbs.
Carton size	17½" x 17½" x 8" H

Tissue Floating Bath



LIGHTED TISSUE FLOATING BATH

Now featuring a lower profile design with easy grip handles on the removable glass basin, which is illuminated by LED lights from the side. Easy to read LED display shows both set and actual temp. User friendly control screen. certified under LVD 2006/95/EC.

Model	XH-1003
Power requirements	500W
Interior Size (basin)	10½" x 7" x 2½" deep
Capacity	Approx. ½ Gallon
Temperature range	Room temperature to 75°C ±1°C
Overall size	14" x 14" x 4½"H
Shipping Weight/Carton	22 lbs. Carton size: 18" x 17" x 11½"H

Replacement Glass Basin (Dish only) **XH-1003D2**



TISSUE FLOATING BATH

Round tissue bath has black non-stick coated interior to reduce glare and improve visibility. Top ledge allows space for preheating or for evaporating away any remaining water. Durable fiberglass insulated body prevents heat loss. Glass lid and detachable power cord for easy cleaning. Includes holder for thermometer.

certified under LVD 2006/95/EC.

Model	XH-1001
Power requirements	400W
Interior size	8¼" diameter x 2½" deep
Capacity	2.3 L
Temperature range	Room temperature to 75°C (dial setting)
Overall size	11" diameter x 6½" H
Shipping Weight/Carton	7 lbs. Carton size: 13¼" x 13¼" x 7½"H



DIGITAL WATER BATHS

This general purpose digital water bath has stainless steel corrosion-resistant interior, precise auto temperature control, digital display and is essential for drying, condensing, distilling, soaking chemical agents, drugs and biological products extensively. It can be also used for heating and other temperature related experiments. Two models to fill various needs. certified under LVD 2006/95/EC.

Model	HH-4	HH-6
Power Requirement	250W	250W
Surface Size	Ring system allows the wells to open up to the following sizes: (1.5", 2.25", 3", 3.9", 4.8")	
Capacity	4 wells (4.7" deep)	6 wells (4.3" deep)
Temperature range	Room temperature to 100°C ±5°C (allow approx. 70 minutes heating time to reach 100°C)	
Stirring Speed	0-1000 rpm	
Heating Power	1000 W (8A fuse)	1500W (10A fuse)
Overall Size	18½" x 12" x 10"H	24" x 12" x 10"H
Shipping Weight Carton	18 lbs. 21" x 15" x 11"H	24 lbs. 27½" x 15½" x 11½"H

Paraffin Dispenser and Wax Trimmer



PARAFFIN DISPENSER

Fast heating 2.3 gallon capacity tabletop style dispenser.

- Industrial metal insulated outer shell
- Separate heater on spigot with temperature control
- One piece aluminum alloy basin
- Fitting in glass lid to hold thermometer

CE certified under LVD 2006/95/EC.

Model	XH-4002
Power requirements	1060W
Interior Size	9¼" x 8" diameter (24x20cm)
Capacity	2.3 gallons (9 L)
Temperature range	Room temperature to 85°C ±1°C
Overall size	14" x 16½" x 19" H
Shipping Weight/Carton	44 lbs. Carton size: 19½" x 18" x 22½" H

Available in 220V upon request (special order #XH-4002-220)



WAX TRIMMER

Efficient and practical appliance for removing excess paraffin from embedding tissue cassettes. Compact tabletop design fits easily in any lab. The melted paraffin is shaved away and drains down into the included removable tray below. Collection tray stays in place by magnetic contact with unit. Our convenient PE disposable tray liner allows easy disposal of the runoff wax. No need to scrape out the collection tray!

- Multiple blocks may be trimmed simultaneously
- Grooved surface for proper wax drainage
- Includes 5 pieces of disposable drip tray liner (additional liners available separately).

CE certified under LVD 2006/95/EC.

Model	XH-90
Power requirements	150W
Surface Size	9" x 5" (23 x 12.5cm)
Temperature range	Low setting is approx. 90°C and high setting is approx. 100°C
Overall size	11¼" x 5" x 8" H (including tray)
Shipping Weight/Carton	8 lbs. Carton size: 15" x 9" x 10" H



Disposable Tray Liners for Wax Trimmer

XH-90L 50pcs/pkg (6pks/case). Sold per pkg of 50.



REFRACTOMETER

Designed for both Veterinary and Medical use, this unit provides quick and accurate indication of vital fluid levels. The triple scale reads: Urine Specific Gravity, Total Serum Protein, and Refractive Index. Equipped with Automatic Temperature Compensation (ATC).

Model	RHC-200-ATC	
Range	Min Div	Accuracy
0-12 g/dl	0.2 g/dl	± 0.2 g/dl
1.000 - 1.050 sg	0.005 sg	± 0.05 sg
1.330-1.360 RI	0.0005 RI	± 0.0005 RI

Hot Plates



STIRRING HOT PLATE

This stirring hot plate has the ability to heat and stir simultaneously or you can perform each function separately. LED display can manually switch between set temperature and actual temperature. Stainless steel heating surface; unit includes temperature probe and one 9 x 28mm magnetic stir bar.

CE certified under LVD 2006/95/EC.

Model	88-1
Power requirements	250W
Surface Size	6" diameter
Temperature range	Room temperature to 300°C ± 1-8°C
Stirring Speed	Start-up – 2000 rpm's
Stirring Power	30 W
Overall Size	11" x 6.3" x 4" H
Shipping Weight/Carton	9 lbs. Carton size: 13½" x 12" x 8½" H



STAINLESS STEEL HOT PLATE

Ideal for general laboratory applications including baking, drying, distilling samples and other temperature related experiments. Heats from 100 – 250°C quickly with turn dial temperature control.

CE certified under LVD 2006/95/EC.

Model	DB-1
Power requirements	300W
Surface Size	7½" x 6" (20 x 15cm)
Temperature range	100°C to 250°C
Overall size	7½" x 6" x 5" H
Shipping Weight/Carton	8 lbs. Carton size: 10" x 9" x 8" H



BACTERIA INCINERATOR/STERILIZER

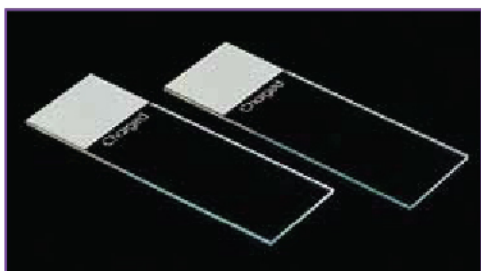
Features:

- Fast - Thorough sterilization takes only 5-7 seconds,
- High Heat - Center temperature can reach 800°C
- User Friendly - Allows body to adjust to an angle for easy operation and cleaning.
- Safe - Infrared heat (not fire) is enclosed in a ceramic pipe to prevent spattering and cross contamination.
- Longevity - Built-in temperature protection allows for safe and reliable use and enhances the service life of the machine.

Model	MX-BS14	MX-BS35
Power	200W	
Max. Diameter of the Sterilizer Goods	Ø14mm	Ø35mm
Length of the Heating Body	140mm	100mm
Center Maximum Temperature	825°C ± 50°C	
Standby Constant Temperature	480°C	
Unit Weight	3 lbs.	4 lbs.
Shipping Weight	4 lbs.	5 lbs.

Microscope Slides

Premiere® brand slides are made of corrosion resistant glass with smoothly polished edges and slightly clipped corners. Precleaned and suitable for all medical applications at economical prices. 75x25mm (3" x 1") approximately 1mm thick. Packed 72pcs per box, 20 boxes (10 gross) per case. Order per gross in multiples of 10. Made in accordance with international standard ISO 8037/2 and to the IVD (In Vitro Diagnostics Medical Devices Directive 98/79/EC).



9101	Plain
9101-B	Plain, second grade*
9105	Single Frosted, one end, one side
9105-B	Single Frosted, second grade*

* Second grade slides may have minor chips or be slightly irregular in size. Subject to availability.

ENHANCED microscope slides provide consistent results for all laboratory tests.

9101-E	Plain
9105-E	Single Frosted, one end, one side
9107-E	Double Frosted, one end, both sides

COLOR coating resists common laboratory solutions. **Premiere®** name printed on each slide indicates frosted side.

COLOR		CHARGED
9108W-E	White	9308W
9108B-E	Blue	9308B
9108G-E	Green	9308G
9108P-E	Pink	9308P
9108Y-E	Yellow	9308Y

CHARGED Slides have special adhesive formula coated on color slides which allows specimen to adhere to slide easily, saving time and money in lab procedures.

BEVELED EDGES

Precleaned and suitable for most medical or research laboratory test. All slides are made of water white glass with beveled edges and clipped corners (1mm).

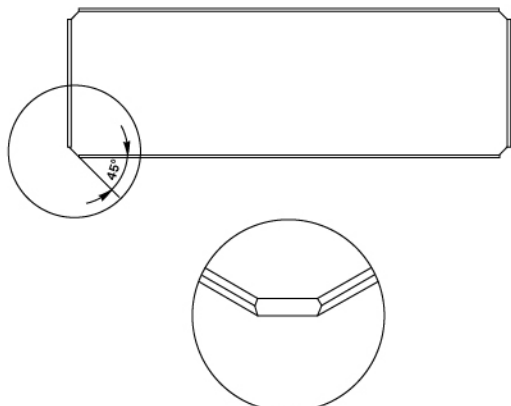
8201	Plain
8205	Single Frosted
8207	Double Frosted

45 DEGREE BEVELED EDGE SLIDES

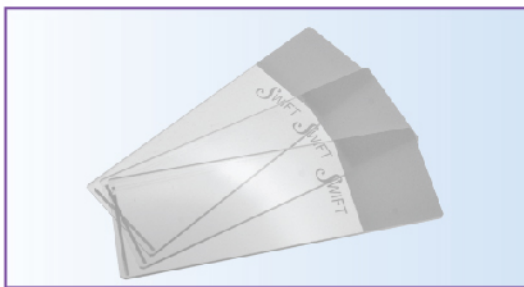
These slides are specially designed to provide for a better fit into automated machines with all edges beveled 45° and corners precisely clipped at 45°. Slides have tighter tolerance controls and are pre-cleaned and suitable for all medical applications.

8348W	"Charged" White End, 45 degrees
8448W	Color End, White, 45 degrees
<i>Alternate colors may be special ordered upon request. Lead time will apply.</i>	

Private labeling of Slides available upon request.



Microscope Slides



SWIFT BOND™

Ideal for Pathology, Histology, and Cytology; especially **Liquid Based Pap** technology, these “super charged” slides are coated in our special adhesion formula that increases the quantity of cell bonding to the slide surface. 72 pcs/box, 10 gross (20 boxes) per case. Order per gross.

9608W

White “super charged” slides



LARGE SLIDES

Precleaned microscope slides in a larger 3x2” (75x50mm) size for procedures requiring larger tissue sections, such as brain tissues, etc. Available in both Plain & Frosted. 72 pcs/box. Packed 10 gross (20 boxes) per case. Order per gross.

6101

3x2” Plain Slides with ground edges.

6105

3x2” Single Frosted Slides with ground edges.



CONCAVITY SLIDES

Concavity Slides are 1.2-1.3mm thick with one or two 15mm diameter wells approximately 0.5mm deep. Packed 12 per box with 20 “dozen” in a master pack. Order per dozen.

7103

Single Concavity Slides (12 pcs)

7104

Double Concavity Slides (12pcs)



MICROSCOPE COVER SLIPS

Each ounce individually vacuum packed in foil for extended shelf life.

1 ounce/pkg, 10 oz/bx. 200oz/case. Order per ounce in multiples of 10 oz.

Size	#1 Thickness: 0.13 – 0.17mm	#2 Thickness: 0.17 – 0.22mm
18 x 18 mm	94-1818	94-18182
22 x 22 mm	94-2222	94-22222
22 x 30 mm	94-2230	
22 x 40 mm	94-2240	
24 x 30 mm	94-2430	
24 x 40 mm	94-2440	
24 x 50 mm	94-2450	
24 x 60 mm	94-2460	
25 x 25 mm	94-2525	94-25252

100 pcs/pk, 10 pk/bx, #1 thickness. Box of 10 is foil packed or shrink wrapped. Order per pack of 100pcs in multiples of 10.

18 x 18 mm

94-1-1818

22 x 22 mm

94-1-2222

Alternate size or thickness may be special ordered. Lead-time will apply.



Slide Storage Boxes



25 CAPACITY SLIDE BOX

Sturdy ABS plastic box with our exclusive self locking lid holds up to 25 slides and has cork lined bottom. Index paper in lid corresponds with embossed numerals on bottom of box. Designed to stack. Packed 20 per box, 200 per case.

97-0025	White
97-0026	Blue
97-0027	Green
97-0028	Red
97-0029	Yellow



50 CAPACITY SLIDE BOX

Hinged ABS plastic box with index paper in lid and embossed numerals on cork lined bottom holds up to 50 individual slides. Packed 100 per case.

97-0055	White
97-0056	Blue
97-0057	Green
97-0058	Red
97-0059	Yellow



100 CAPACITY SLIDE BOX

Hinged ABS plastic box has metal clasp, index in lid and cork lining. Numbered slots hold up to 100 slides. Designed to stack. Packed 50 per case.

97-0125	White
97-0126	Blue
97-0127	Green
97-0128	Red
97-0129	Yellow



SLIDE STORAGE BOXES FOR LARGE SLIDES

Similar to the standard 25 capacity slide box, this self locking ABS plastic box holds larger 3 x 2" (75x50mm) slides. Cork bottom and paper index in lid. Stackable. Sold by each, 10 pcs/box. 100/case.

97-0625	White, 10pcs per box, 100 per case.
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Alternate colors may be available by special order.



Quality ABS plastic designed to hold up to 100 pcs of the larger 3x2" slides. Solid foam lining displays numbers corresponding to the paper index in lid. Sturdy metal clasp closure. Stackable. 10 per case. Sold by each.

97-0601	White, order per each
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For additional storage/transport options, see our Slide Mailers on page 20.

Mailers



CARDBOARD SLIDE MAILERS

Made of sturdy cardboard to protect the slides, each mailer holds one, two or four slides for transport, with or without coverglass. Thumb groove for easy slide removal, cut corner identifies top of mailer. Order per case.

MSL-01	Single Mailer (2,000 pcs/case)
MSL-02	Double Mailer (1,000 pcs/case)
MSL-04	4 Place Mailer (200 pcs/case)



20 CAPACITY SLIDE FOLDER

Our sturdy cardboard folder is specially constructed to reduce bending of the folder. Twenty standard 3"x1" slides fit into numbered slots with thumb grooves on each side and index on outside cover. Doors are hinged for opening and do not lie directly on the slides when closed. 8¼" x 13½" x 5/16" closed. Order per piece, 40 pcs/ case.

Now available in various colors for easy categorizing.

MSL-20	Black (standard)
MSL-25	White
MSL-26	Blue
MSL-27	Dark Green
MSL-28	Red
MSL-29	Yellow

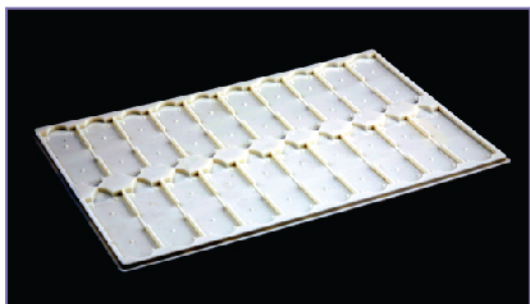


SAFESTORE™ CASSETTE & SLIDE STORAGE

Need a safe yet affordable storage system for your slides and tissue cassettes? Premiere® Safestore™ Cassette & Slide Storage units provide just that without having to choose a simple flimsy cardboard unit, or a big bulky expensive metal storage cabinet. Units are stackable for use with or without outer carton.

- **HS-101** – Slide Storage Unit – 4 Drawers per case
Each case holds approximately 5,700 slides.
- **HS-301** – Cassette Storage Unit – 8 Drawers per case
Each case holds approximately 1,440 cassettes.





20 CAPACITY PLASTIC SLIDE TRAY

This durable slide tray will hold up to twenty standard microscope slides 75 x 25mm (3" x 1"). Ivory color ABS plastic tray consists of two rows, each of which securely holds 10 slides. Stackable. Order per case.

MSL-21	(50pcs/case)
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PLASTIC SLIDE MAILERS

Economical and reusable, these polyethylene mailers have a sturdy resealable clasp. TOP is clearly labeled and slide labeling is visible through plastic cover. Snap top ensures secure closure. Ideal for shipping specimens. Order per case.

MSL-07	Plastic Single Mailer (2,000 pcs/case)
MSL-08	Plastic Double Mailer (1,000 pcs/case)
MSL-15	5 Capacity Plastic Slide Mailer Opens on end. Doubles as stain dish. (100/box, 8 box/case)
MSL-16	5 Capacity Mailer in opaque black plastic for light sensitive specimens. 100/box, 8box/case. (May be special order)

For additional storage/transport options, see our Plastic Slide Boxes on page 19.

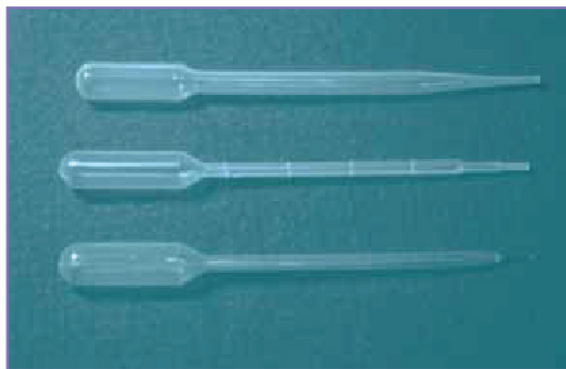


LAB JACK

Designed to support and elevate beakers, flasks and other lab equipment that may be too hot or heavy to lift. 5¾" square surface platform elevates from 3" to 10½" by simple cranking of easy grip knob. Sturdy nickel plated steel can support up to 100lbs.

97-5701	Individually boxed, 10/case. Order by each.
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Plastic Products



PLASTIC TRANSFER PIPETS

Made of low-density polyethelene, non-sterile, graduated. These unbreakable all-in-one pipets eliminate the hazards of broken glass and exposure to infectious materials.

500 pipets/box, 10 boxes/case.

PTP-01, Graduated to 3ml, .5ml divisions
(additional 4ml capacity in bulb)

PTP-02, Graduated to 1ml, .25ml divisions
(additional 1ml capacity in bulb)

PTP-06, Fine tip, 3.5ml capacity, non graduated



TISSUE CASSETTES

Disposable plastic cassettes holds tissue specimens during embedding, processing, and storage in file. Molded from high-density, solvent resistant polymer. Front and sides textured for writing. Two piece construction with lid and base packed separately in same box. 500 cassettes/ box, 10 boxes/ case.

BIOPSY CASSETTES

BC-0109B	Blue	BC-0109W	White
BC-0109G	Green	BC-0109Y	Yellow



EMBEDDING CASSETTES

EC-0109A	Gray	EC-0109P	Pink
EC-0109B	Blue	EC-0109W	White
EC-0109G	Green	EC-0109Y	Yellow
EC-0109L	Lilac		

Other colors available by special order.



BASE MOLDS

Reusable stainless steel base molds with extended sides to prevent tipping and provide a gripping surface for better handling. Intended for use with embedding cassettes. Choice of 5 sizes. Sold per dozen, 10 dozen/box, 4 boxes/cases.

HB-07	7x7x5mm, 12pcs/pkg
HB-15	15x15x5mm, 12pcs/pkg
HB-24	24x24x5mm, 12pcs/pkg
HB-30	30x24x5mm, 12pcs/pkg
HB-37	37x24x5mm, 12pcs/pkg

Stain Dishes & Racks, Glass Droppers



STAIN DISHES

Our larger capacity staining dishes (compatible with our stainless steel racks, below) made of heavy glass suitable for 3x1" or 75x25mm slides. Specially equipped with a snugfit lid to help seal in any fumes from lab solutions. Individually boxed, order by each.

SD-20	20 Slide Dish, inside dimensions: 3 $\frac{3}{4}$ " x 3" x 2 $\frac{1}{4}$ " Use with SR-20. 20/case
SD-30	30 Slide Dish, inside dimensions: 3 $\frac{3}{4}$ " x 3 $\frac{7}{8}$ " x 3 $\frac{3}{8}$ " Use with SR-30. 20/case
SD-60	60 Slide Dish, inside dimensions: 6" x 3 $\frac{1}{4}$ " x 3 $\frac{3}{8}$ " Use with SR-60. 10/case



STAINING RACKS

Our improved rack design allows for slides to more easily be placed in the rack. Why waste valuable time making sure every slide goes in perfectly? Ours works the first time, every time. Stainless Steel, designed for use with glass Stain Dishes (above). 50pcs/case.

SR-20	20 Slide Rack, 3 $\frac{1}{4}$ " x 2 $\frac{1}{2}$ " x 2 $\frac{1}{8}$ " Use with SD-20.
SR-30	30 Slide Rack, 3 $\frac{1}{8}$ " x 3" x 3" Use with SD-30.
SR-60	60 Slide Rack, 5 $\frac{1}{2}$ " x 3" x 2 $\frac{3}{4}$ " Use with SD-60.



COPLIN JAR

Ground-on glass cover and wide, flat, round base. 3" high, inside diameter 1.2" Capacity: 10 slides (back to back). Individually boxed, 20/case.

SD-05

RECTANGULAR STAIN DISH

Glass cover, holds 20 slides (back to back). Inside dimensions: 3" x 2 $\frac{1}{4}$ " x 1 $\frac{1}{4}$ ". Individually boxed, 20/case.

SD-10

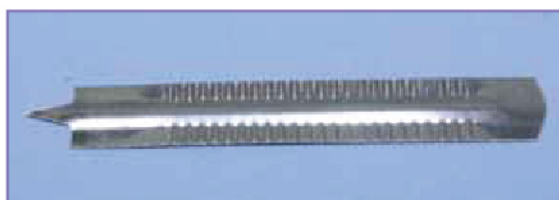
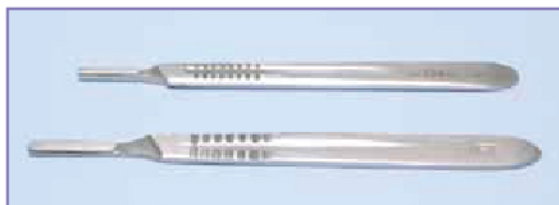
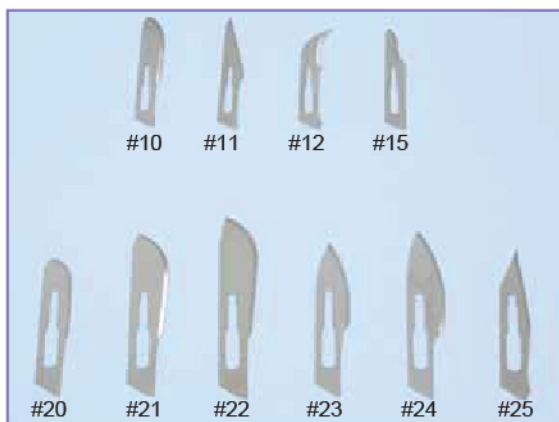


GLASS DROPPERS

Quality latex-free black rubber bulb on glass tube, available with straight or curved tip. In 2 sizes. Boxed per dozen, 100 dozen per case.

Item No.	Style	Capacity
97-4301	3" Straight Tip	2ml
97-4302	3" Curved Tip	2ml
97-4401	4" Straight Tip	<3ml
97-4402	4" Curved Tip	<3ml

Blades & Lancets



SCALPEL BLADES

Premiere® Blades are made of high carbon steel, individually foil wrapped and sterilized by gamma radiation. Exceptionally strong and uniformly sharp. 100 per box, in packs of 10, 50 boxes/case.

9310	#10 Blade	9321	#21 Blade
9311	#11 Blade	9322	#22 Blade
9312	#12 Blade	9323	#23 Blade
9315	#15 Blade	9324	#24 Blade
9320	#20 Blade	9325	#25 Blade

HANDLES

Stainless Steel

9303	#3 Handle, accepts blade #10, 11, 12, 15
9304	#4 Handle, accepts blade #20 through 25

DISPOSABLE SCALPELS

High carbon steel blade is mounted on plastic handle, individually foil wrapped and sterilized by gamma radiation. 10pcs/ box, 50 boxes/case.

9410	#10
9411	#11
9415	#15
9420	#20
9422	#22

BLOOD LANCETS

Stainless steel, sterile, individually wrapped. 50 box/ case.

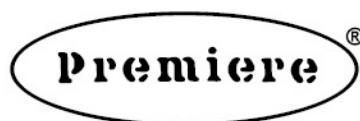
95-7810	Box of 100 pcs
95-7820	Box of 200 pcs

FINE POINT BLOOD LANCETS

Fine point design with twist off plastic tip. Sterile. 100pcs per box. 50 boxes per case.

95-7826	26 gauge ("Adult" size)
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