

Premiere[®]



Microscopes | Tabletop Equipment | Lab Supplies | Science Supplies | Glassware

2013/14 Product Catalog

C & A Scientific



For over twenty years **Premiere® Laboratory Supplies and Scientific Equipment** have been distributed worldwide. We continually strive to bring to the market quality products for the most economical prices available and are constantly adding new products to our line. Private labeling or custom packaging is available on most products. Contact your dealer or sales rep with any special requests for details and minimum order quantities.

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Premiere[®] Microscopes

Our ISO 9002 certified factories have over two decades of experience in manufacturing quality microscopes and are CE certified.

Each Premiere[®] model is chosen for its particular features to fill many microscopy needs in a variety of applications. Our line ranges from quality basic student microscopes to full-featured professional laboratory instruments. Premiere[®] Microscopes are equipped with precision DIN* optics (*Deutsche Industrie Normen, a recognized universal industry standard for microscope objectives.) All microscopes are packed in fitted protective styrofoam and various upgraded accessories are available upon request.

Several models are also offered in an LED version, with the popular advantages of LED illumination:

- Life time of LED bulb is 100,000 hours
- LED consumes very little power. Fully charged battery provides up to 15 hours of normal use
- Versatile power often allows cordless use for portability
- Cool LED prevents focus deviation caused by heat-deformed equipment

All models are subject to changes in design at the manufacturer's discretion, meeting or exceeding the specifications described. 30 Day return policy, in original condition with all parts and packaging.

Five Year Warranty: The manufacturer warrants each instrument to be free from defects in material and workmanship under normal use (one year for electrical components). It does not cover damage resulting from abuse or misuse, repairs or alterations performed by other than authorized repair technicians, or damage occurring in transit.

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 operating 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 & 3 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
-  Certified



Our **Infinity Microscope** provides optical performance ideal for extensive lab use in clinical and research settings of biology, histology, pathology and medical chemistry. Outstanding design features include a contemporary ergonomical 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 quality objectives and eyepieces offer the user better observation effects with a large 22 mm field of view. The high-intensity illumination system and Infinity Color Corrected Optics System (ICS) ensure high clearance and intensity in images.

Model MIS-6000

Features:

- 30° inclined head rotates 360°
- Pair of high eye-point 10X eyepieces 22mm
- Interpupillary distance adjustment from 55mm-75mm
- Plan Infinity Objectives: 4X,10X, 40XR, 100XR Oil
- Double layer mechanical stage can hold two slides for comparison
Stage size-180mm × 150mm. Moving range -75mm × 50mm
- Swing out N.A.1.25 Abbe condenser with iris diaphragm & 3 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
-  Certified

Also available:

Model MIS-6000T, Trinocular

Third eyepiece not included



Professional Microscopes

This **Advanced Infinity Microscope** has an adjustable angle head so any operator can enjoy the most comfortable viewing position, which is great for accurate posture and preventing neck and back muscle strain. Its unique focus control system has standard coarse and fine focusing on one side while the other side has finger adjustment out of the way of the mechanical stage. The built-in illuminator connector is easy to replace and detachable. Koehler illumination and external light source ensure heat is dissipated from the body while working. Infinity Color Corrected Optics System (ICS) provide a superior image for a professional instrument designed for a wide range of research and clinical applications.



Optional Upgrade (Special Order):

- 12V / 100W illumination
- 20X or 60X PLAN Infinity objectives

Model MIS-8000

Features:

- 0° - 40° variable position inclined head, rotates 360°
- Pair of high eye-point 10X eyepieces 22mm
- Interpupillary distance adjustment from 55mm-75mm
- Plan Infinity objectives: 4X, 10X, 40XR, 100XR Oil
- Double layer mechanical stage can hold two slides for comparison
Stage size - 180mm × 150mm. Moving range - 80mm × 50mm
- Swing out N.A.1.25 Abbe condenser with iris diaphragm & 3 color filters
- Coaxial coarse & fine focusing adjustment with rack and pinion mechanism.
Fine focusing scale value 0.002mm
- High brightness Kohler illumination
- 12V 50W Variable intensity halogen bulb
- Wide range voltage for international markets - 85V-240V
- Spare bulb, fuse, immersion oil, dust cover
- Size 19.5" × 10" × 18.5" (H)
- Shipping weight: 27 lbs
- CE Certified

MIS-8000T, Trinocular

Third eyepiece not included.

Our **Inverted Microscope** is an efficient and uncomplicated professional tool for routine lab uses as well as for any research facility. With light source above specimen and optics below, plus objectives for long working distance (LWD) and bright field techniques it is ideal for observing live and large specimen in any culture vessels or plates. High-resolution optics create brilliant sharp images.



Also available:

MIS-9000T, Trinocular

- 45° inclined Trinocular head
- Light splitting: 40% Binocular, 60% Trinocular
- Third eyepiece not included

Model MIS-9000

Features:

- 45° inclined binocular head
- Pair of high eye-point 10X eyepieces 22mm
- Interpupillary distance adjustable from 55mm-75mm
- Objectives : Long working Distance Infinity Plan 4X and 40X
- Objectives : Long working Distance Infinity Phase Contrast Plan 10X and 20X
- Double layers mechanical stage can hold two slides for comparison
Stage size - 242mm × 172mm. Moving Range - 75mm x 50 mm.
Center Stage ring Ø- 110mm.
- Low coaxial focus adjuster attached with Petri dish holder
- N.A. 0.3 Abbe condenser W.D. 75 mm with iris diaphragm & 3 color filters
- Coaxial coarse & fine focusing adjustment with rack and pinion mechanism.
Fine focusing scale value 0.002mm
- 12V 30W Variable intensity halogen bulb
- Wide range voltage for international markets - 85V-240V
- Size 19.5" × 9" × 19.5" (H)
- Shipping weight: 36 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 degree inclined binocular Seidentopf 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
- 5 ½" x 5 ¼" (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.: 13 ¾ lbs.
-  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 2 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 5 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 2 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.

Base Features (apply to all models):

- 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
- UL approved 3 wire cord
- Immersion oil, vinyl dust cover, rubber eyeguards
- CE certified



Binocular, Model MRJ-03

- 30 degree inclined binocular Seidentopf style head, rotatable 360°
- Pair of 10X widefield eyepieces
- Built-in variable intensity halogen illuminator, 6V 20W
- Wide range voltage for international markets –100V-240V
- Spare bulb & fuse
- Size: 6½" x 8¼" x 15" H, N.W.: 10½ lbs.

Replacement lamp: MA07. Shipping weight: 12 lbs. Case Quantity: 2, Weight 26 lbs.



Binocular, Cordless, Model MRJ-03L

Identical features of the MRJ-03 except:

- Variable intensity 4.5V LED cool illumination system (no spare bulb)
- Built in rechargeable NiMH battery with detachable AC power cord

Monocular, Model MRJ-01

45° inclined monocular head, rotatable 360°

Shipping weight: 11 lbs. Case Quantity: 2, Weight 23 lbs.

Monocular, Cordless, Model MRJ-01L

Identical features of the MRJ-01 except:

- Variable intensity 4.5V LED cool illumination system (no spare bulb)
- Built in rechargeable NiMH battery with detachable AC power cord



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.

Research Microscopes

Sleek modern design highlights this new scope equipped with all standard professional features. Built-in rechargeable battery provides optional cordless use. Ideal for research, medical professional or student use.



Model MSM-160

Features:

- 30 degree inclined binocular Seidentopf style head, rotatable 360°
- Interpupillary distance adjustment 55-75mm
- Pair of 10X widefield eyepieces with diopter adjustment
- 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
- 5" x 5" (130x125mm) Mechanical stage with coaxial drive/rack and pinion adjustment
- Spiral mount Abbe condenser NA 1.25
- Iris diaphragm with filter holder including blue filter
- Coaxial coarse and fine focusing and low knob position
- Variable intensity LED illuminator
- Built-in rechargeable battery allows cordless use
- CSA approved 3 wire power cord
- Spare fuse, immersion oil, dust cover
- Size: 6" x 9" x 14½" H, N.W.: 9 lbs.
- Shipping weight: 13 lbs.

Our new **Comparison Microscope** is the perfect classroom tool for teaching forensics or any comparative science. It allows side-by-side comparisons of two slides as well as the capability to view each slide individually. The high-quality optics and precision mechanics provide a safe and flexible value.



Comparison view
of two slides

Model MCS-30

Features:

- 30° inclined binocular Seidentopf head, rotatable 360°
- Interpupillary distance adjustment 55-75mm
- Pair of 10X widefield eyepieces
- 4 DIN Achromatic parfocal and parcentered objectives: 4X (N.A.0.10), 10X (N.A. 0.25), 40X (N.A. 0.65), and 100X (oil immersion, N.A. 1.25)
- Magnifications: 40X to 1000X
- Focusing stop to protect objectives/slides from damage
- 140mm x 135mm graduated mechanical stage (range of travel 45 x 80mm) with coaxial drive and comfortable low knob position
- Spring loaded slide holder
- Abbe condenser NA 1.25 with rack and pinion adjustment
- Iris diaphragm with blue filter
- Field diaphragm
- Coaxial coarse and fine focusing with tension control
- Variable intensity 6V 20W halogen illuminator, wide range transformer for international markets - 100V-240V
- Replacement bulbs and fuses, Immersion oil
- Overall Size: 16.5" x 9" x 20"H
- CE certified

Replacement Bulb: MA07

Research Microscopes

Our fluorescent lamp microscope series is equipped with the most popular features and offers a choice of heads to fit various needs and budgets. The cool fluorescent lighting provides white light with little heat and longer bulb life.



Model MF-02

Features:

- Inclined binocular head, rotatable 360°
- Paired 10X widefield eyepieces with graduated diopter adjustment
- DIN achromatic parfocal and parcentered objectives 4X (N.A. 0.10), 10X (N.A. 0.25), 40XR (N.A. 0.65) and 100XR (oil immersion N.A. 1.25)
- 4½" x 4¾" (110 x 120 mm) graduated mechanical stage
- NA 1.25 substage spiral mount condenser with Iris diaphragm
- Stage focus stop to protect objectives and slides
- Separated coarse and fine focus control with slip clutch
- Tension control adjustment on coarse focusing
- 5W Fluorescent illuminator, spare bulb & dust cover
- In-base control switch and 3-wire UL approved power cord
- Size: 6½" x 8" x 14½" H, N.W.: 9 lbs.
- CE certified

Replacement lamp: MA68

Shipping weight: 12 lbs

Case Quantity: 2, Weight: 26 lbs



Model MF-01

Same features with Monocular head

- One 10X Widefield eyepiece with special scale pointer
- N.W.: 7 lbs.
- CE certified

Shipping weight: 11 lbs

Case Quantity: 2, Weight: 23 lbs



Model MF-04

Monocular Dual View

Base specifications same as MF-01 with dual monocular heads and two 10X WF eyepieces, one with special scale pointer.

Designed for teaching or photography.

N.W. 8 lbs.

All CE Certified

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.



Model MS-01

- 10X Eyepiece with scale pointer
- 3 DIN Objectives 4X, 10X, & 40X
- Total magnification 40X to 400X
- Coaxial coarse & fine focusing
- Disc diaphragm
- 20W lamp
- Vinyl dust cover, spare bulb.

Replacement bulb: MA09

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)

Model MS-01L

Same popular features of the MS-01 but with LED light system.

- Variable intensity 5.5V LED cool illumination system
- Built in rechargeable battery with detachable AC power cord
- Offers option for cordless operation
- LED bulb consumes very little power with average life span of 100,000 hours

The upgraded MS-03 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-03

- 10X Eyepiece with scale pointer
- 4X, 10X, 40X & 100X (oil) Objectives
- Total 40X to 1000X magnification
- Coarse & fine focus controls
- Spiral condenser N.A.1.25 with iris diaphragm
- 20W tungsten lamp
- Vinyl dust cover, spare bulb & immersion oil

Replacement lamp: MA09

Shipping weight: 7 lbs. each

Case Quantity: 4, shipping weight 34 lbs.

Model MS-03L

Same popular features of the MS-03 but with LED light system.

- Variable intensity 5.5V LED cool illumination system
- Built in rechargeable battery with detachable AC power cord
- Offers option for cordless operation
- LED bulb consumes very little power with average life span of 100,000 hours

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).



Replacement Lamps : MA07
Shipping Weight: 17 lbs.

Model SMZ-02

Features:

- 3D System is infinitely variable
- 10X Widefield Eyepieces with rubber eyeguards
- Binocular observation tubes, inclined 45°
- Head rotatable 360°
- Interpupillary distance adjustable 55mm to 77mm
- Horizontal zoom controls at each side of head
- 1X to 4X objectives, total magnification 10X to 40X
- Field of view ranges from 23mm to 5.5mm diameter
- 85 mm working distance
- 20W Halogen transmitted illuminator under 75 mm frosted glass stage plate
- 20W Halogen incident (top) illumination
- 3 way power switch allows incident lighting, transmitted lighting or both, UL approved
- Dust cover and spare bulb and black & white contrast plate
- Overall size: 6¾" x 9½" x 18" H, N.W.: 13¼lbs.
-  certified



Shipping weight: 21 lbs.

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.
-  certified

Trinocular, Model SMZ-04

Features:

- Vertical eyepiece tube for photography
- Other specifications same as SMZ-02
- Third 10X eyepiece not included (MA15A)
- Overall size: 6¾" x 9½" x 20" H,
N.W.: 15 1/2 lbs.
-  certified



Trinocular, Model SMZ-07

Features:

- Same as SMZ-05 with a third vertical eyetube
- Third 10X eyepiece not included (MA15A)
- Allows use of camera (sold separately)



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 versions* offer long lasting cool lighting (no replacement bulbs included).



Model SMP-13 Model SMP-13L*

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

Model SMP-24 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) 10W halogen illuminator * or 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, spare bulb
- Size: 4½" x 7½" x 12"H, N.W.: 4.7 lbs.

Replacement halogen lamp: MA69 (top & bottom)

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



System Requirements:

- Intel Pentium 4–2.6G
- RAM: 512MB
- HDD: 1 GB free space
- USB 2.0 interface
- Compatible with Windows® XP, Windows Vista® and Windows 7®



Also sold separately:

TSView Software CD, compatible with Windows® XP, Windows Vista® and Windows 7®

MA88-CD

HiROCAM

HIGH RESOLUTION OPTICS CAMERA DIGITAL MICROSCOPE EYEPIECE

Our Digital Microscope Eyepieces fit on any standard eyetube (23mm) in place of the usual eyepiece. The combination digital camera with built in 10X eyepiece allows you to preview live color images directly from your microscope onto your computer via the USB port. View, edit and save images. Updated TSView software is compatible with Windows-based operating systems including Windows® XP, Windows Vista® and Windows 7®.

Includes TSView software, 30mm stereo adapter, USB cord & Optical Micrometer Slide (Measuring Tool). Choice of various resolutions to fit any budget.

MA88-130	1.3 MP	1280 x 1024 resolution
MA88-300	3.0 MP	2048 x 1536 resolution
MA88-500	5.0 MP	2592 x 1944 resolution
MA88-900	9.0 MP	3840 x 2400 resolution



Micrometer Slide Measuring Tool.

Printed scale on slide.
Divisions are 0.01mm.

MA88-M



CARRYING CASE

MA98

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, MSM-160

MA10-M Fits Model MS series

Accessories and replacement parts other than those described are available. Contact your Premiere® dealer.

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)



PHASE CONTRAST KITS

Can be fitted to MRJ/MRP models.
Suitable for observing unstained transparent specimens.

SIMPLE PHASE CONTRAST KIT

MA40 The simple kit consists of Phase Contrast Objective 10X, 40XR & 100XR with corresponding diaphragms which attached to the Abbe condenser lens. Requires reassembling the condenser to match the objective each time the magnification is changed. Includes green filter and Centering Telescope eyepiece to align the condenser.



TURRET PHASE CONTRAST KIT

MA45 The turret kit consists of Phase Contrast Objectives 10X, 20X, 40XR, 100XR and a single turret condenser with multiple settings which apply to all magnifications. Includes green filter and Centering Telescope eyepiece.

Accessories and replacement parts other than those described are available. Contact your Premiere® dealer.

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.  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

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



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 (same item as RHC-200)	
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

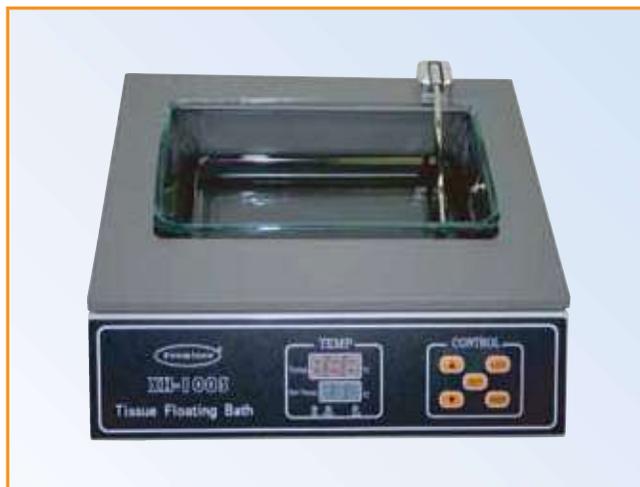


DIGITAL LAB SCALE

This Digital Scale is equipped with a high precision sensor, large LCD display and easy touch buttons and can be used in the kitchen, office or laboratory. It has auto zero reset and auto power off functions, and displays weight in choice of grams or ounces. Display includes low battery indicator and error on overload.

Model	XH-400
Power requirements	Uses 2 AA Batteries (not included)
Capacity	1000g (35oz)
Size	6½" x 9¾" x 1½", Platform 5¾" diameter

Tissue Floating Bath



LIGHTED TISSUE FLOATING BATH

Features a low profile design with a removable rectangular glass basin which is illuminated with LED light from the side. Easy to read LED display that shows both set temperature as well as actual temperature. Temperature settings are controlled by push buttons for accuracy and precision. CE 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-1003D**



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. CE 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. CE 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	18 lbs.	24 lbs.
Carton	21" x 15" x 11"H	27½" x 15½" x 11½"H

Slide Warmers and Hot Plates



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	10 $\frac{3}{8}$ " x 8 $\frac{1}{4}$ " 4 "steps"
Capacity	40 3"x1"slides
Temperature range	Room temperature to 70°C \pm 1°
Overall size	14" x 14" x 4"H
Shipping Weight/Carton	22 lbs. Carton size: 18" x 17" x 11 $\frac{1}{2}$ " H



SLIDE WARMERS

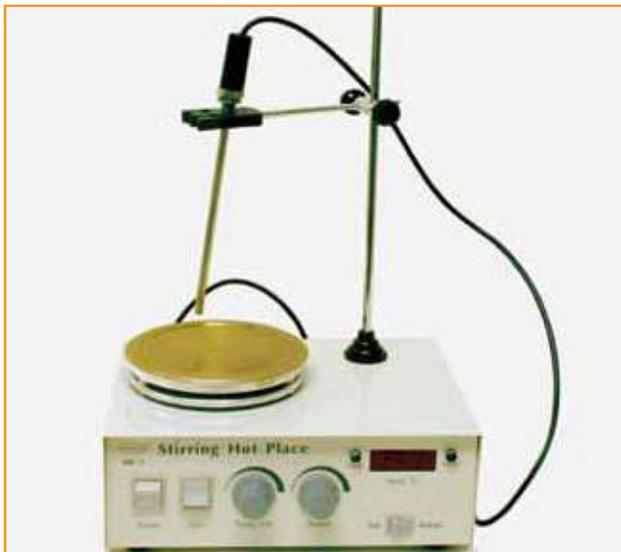
Ideal for use in the fields of cytology, histology, pathology, and biology for paraffin tissue section mounting. Available in two sizes to fit most needs. **CE** certified under LVD 2006/95/EC.

- 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 70°C \pm 3°	
Overall size	25 $\frac{1}{2}$ " x 9 $\frac{1}{2}$ " x 4"H	10 $\frac{1}{4}$ " x 8" x 3"H
Shipping Weight/Carton	17 lbs. 28" x 12" x 6"	7 lbs. 12" x 10 $\frac{1}{2}$ " x 6"

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



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 includes temperature probe and one 9 x 28mm magnetic stir bar. **CE** certified under LVD 2006/95/EC.

Model	88-1
Power Requirement	250W
Surface Size	6" diameter
Temperature range	Room temperature to 300°C \pm 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: 13 $\frac{1}{2}$ " x 12" x 8 $\frac{1}{2}$ "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 basin & faucet
 - New one piece aluminum alloy basin
 - New fitting in glass lid to hold thermometer
- ☑ 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 16¼" 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).

☑ 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.

STAINLESS STEEL HOT PLATE

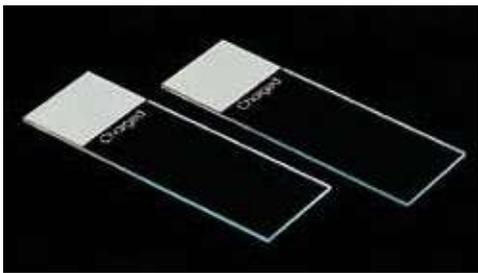
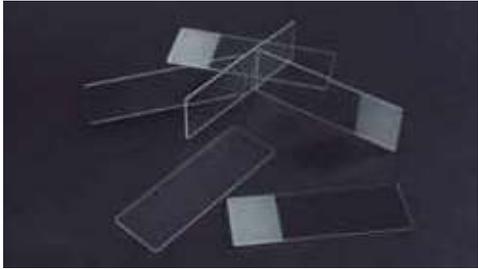
Ideal for general laboratory applications including baking, drying, distilling samples and other temperature related experiments. Heats from 100 – 250°C quickly with turn dial temperature control. ☑ certified under LVD 2006/95/EC.



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

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 89037/1 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. Additional colors now stocked in limited quantity.

COLOR		CHARGED
9108W-E	White	9308W
9108B-E	Blue	9308B
9108G-E	Green	9308G
9108L-E	Lilac	
9108P-E	Pink	9308P
9108Q-E	Aqua	
9108R-E	Red	
9108T-E	Tan	
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

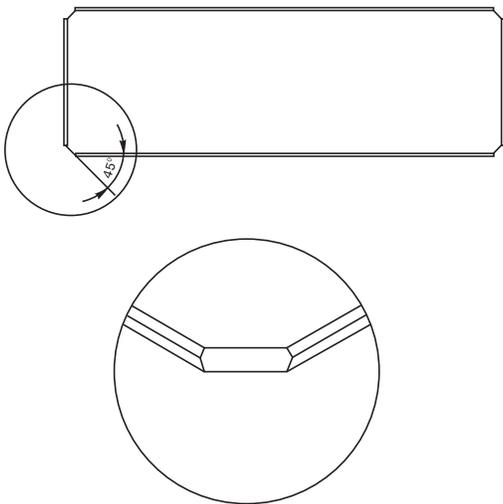
Precleaned and suitable for most medical or research laboratory test. All slides are made of water white glass with beveled edges and clipped corners (1mm).

8201	Plain
8205	Single Frosted
8207	Double Frosted

45 DEGREE BEVELED EDGE SLIDES

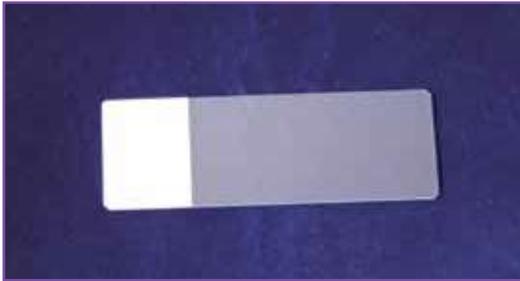
These slides are specially designed to provide for a better fit into automated machines. The corners are precisely clipped at 45°. Slides have tighter tolerance controls and are available in 5 colors, White, Blue, Green, Pink, and Yellow. Pre-cleaned and suitable for all medical applications.

COLOR		CHARGED
8448W	White	8348W
8448B	Blue	8348B
8448G	Green	8348G
8448P	Pink	8348P
8448Y	Yellow	8348Y



Private labeling of Slides available upon request.

Microscope Slides



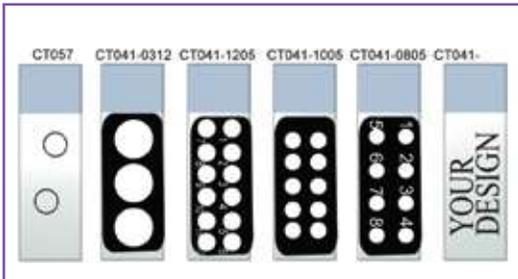
“UNPRINTED” SLIDES

Made exactly the same as our 9108 & 9308 series but without the printing on the individual slide.

7108W	White, Color End
7308W	White, “Charged”

SPECIALTY SLIDES

Specially designed for a variety of Cytology, Histology, Immunology or microbiology applications, these custom slides can be made with various color Hydrophobic or Superhydrophobic ink on plain, frosted or ceramic end (CT042- series) slides. Custom made to order so just specify your design (lead time 2-4 weeks applies to all orders). Minimum order of 5 gross.



LARGE SLIDES

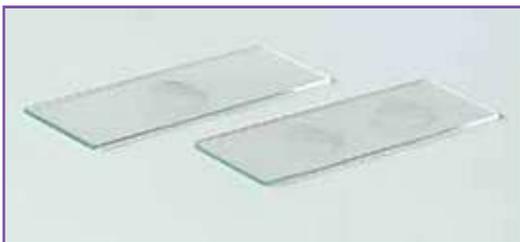
6101	3x2” Plain Slides with ground edges. 72pcs per box. Packed 10 gross (20 boxes) per case.
6105	Single Frosted 3x2”



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.

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	
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	

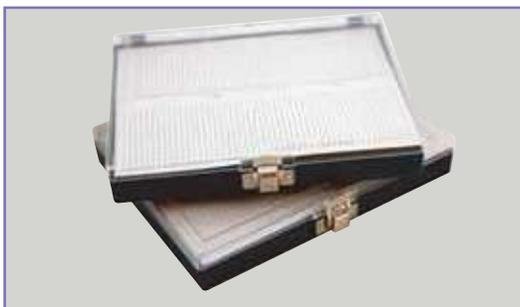
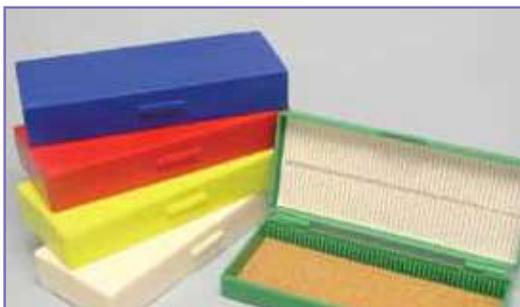
100 pcs/pk, 10 pk/bx, #1 thickness. Box of 10 is foil packed or shrink wrapped. Order per pack of 100pcs in multiples of 10.

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

SLIDE STORAGE BOX FOR LARGE SLIDES

Similar to our standard 25 capacity slide box, this self locking ABS plastic box holds 3 x 2" slides (see our item #6101 or 6105). Cork bottom and paper index in lid. Stackable.

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

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

CLEAR LID SLIDE BOX

This 100 capacity Slide Box has a clear plastic lid enabling lab personnel to read the contents listed on the enclosed index without opening the box. Black ABS Plastic with metal clasp hinge and cork lining. Numbered slots correspond to the paper index. Stackable. Packed 50 per case.

97-0230	Black, order per each
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For additional storage/transport options, see our Slide Mailers on opposite page.



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)

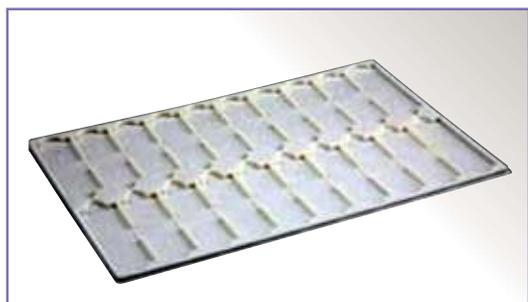


20 CAPACITY SLIDE FOLDER

Our sturdy cardboard folder is specially constructed to reduce bending of the folder. Twenty standard 3" x 1" 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. 8 1/4" x 13 1/2" 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



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 opposite page.

Storage Cases



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.



CHOP BOARD (Necropsy)

This lightweight and flexible yet very sturdy chop board is designed specifically for both large and small animal necropsy and gives you the ability to work both in the lab and out in the field. Perfect for necropsy collection to have the technician inventory and organize tissue in a uniform manner. Easy to read grid allows for fast verification and cross checking to make sure all sections are accounted for. Includes several open blocks to add your own custom sectioning boxes. The polypropylene material is strong enough to make these durable for long term use, but cost efficient enough for one time use for PCR and to prevent cross contamination. The flexible board can be bent or rolled numerous times and still unroll flat. The material is inert, easily cleaned, non absorbent and can be used with most cleaners, formalin and other organic preservatives. 15.75" x 12" (40x30cm) x 0.8mm thick.

H-CBDH40 10pcs/pk

CHOP BOARD

This durable nylon basic chop board has a convenient cutout handle. It measures 12½" x 7 7/8" x ¼" (32 x 20 x .65cm) and is heat resistant up to 100°F.

H-CBD Sold per each



PATHOLOGY KNIFE HANDLE

Sturdy 5" finished wooden handle designed to hold 3" single edge disposable blades. Convenient for gross sectioning (use with Chop Board, above).

XM-05 Sold by each

Applicator Sticks



PLAIN APPLICATOR STICKS (WOOD)

Plain non-sterile 6" wood stem, packed 1,000pcs/poly bag.

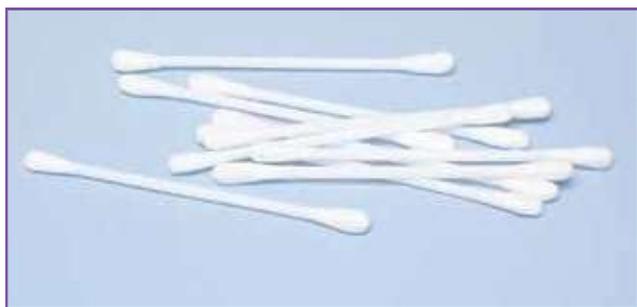
95-8701-10	Case quantity of 10 bags
95-8701-30	Case quantity of 30 bags



COTTON TIPPED APPLICATOR (WOOD)

Cotton Tipped (one end) non-sterile 6" wood stem, packed 100pcs/poly bag, 10 bags/box, 10 boxes/ case.

95-8702



COTTON TIPPED APPLICATOR (PLASTIC)

Plastic stem, non-sterile 3" Cotton Tipped (both ends), packed 100pcs per poly bag, 10 bags/box, 20 boxes/case.

95-8703



COTTON TIPPED APPLICATOR (PLASTIC)

Plastic stem, non-sterile 6" Cotton Tipped (one end), packed 100pcs per poly bag, 10 bags/box, 10 boxes/case.

95-8712

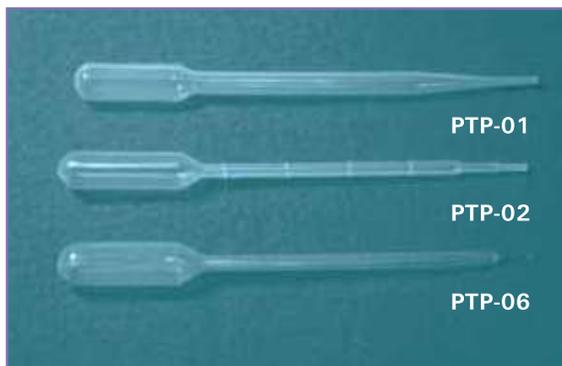


PLAIN APPLICATOR STICKS (PLASTIC)

Plain non-sterile 6" plastic stem, packed 1,000pcs/poly bag, 10 bags/case.

95-8711

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



DROPPER BOTTLES

Polyethelene dropper bottles in various sizes. Removable dropper tips allow refilling. Screw on polypropylene cap. Dropper control tip snaps into place for a secure fit. Leakproof even under pressure. 12 pcs/box.

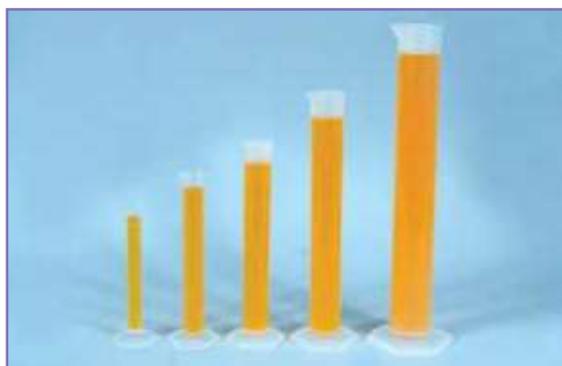
97-5008	8 ml (50 dozen/case)
97-5015	15 ml (50 dozen/case)
97-5030	30 ml (50 dozen/case)
97-5060	60 ml (30 dozen/case)
97-5125	125 ml (20 dozen/case)



PLASTIC BEAKERS

Polypropylene containers are autoclavable up to 120°C. Graduated markings, with pouring spout. Order by each.

Item No.	Description	Divisions	Case Qty.
PL-B050	50ml	10ml	144
PL-B100	100ml	5ml	100
PL-B250	250ml	5ml	100
PL-B500	500ml	10ml	100
PL-B1000	1000ml	20ml	50
PL-BKSET	1 each of above 5 beakers		50



PLASTIC CYLINDERS

Polypropylene containers are autoclavable up to 120°C. One piece graduated measuring cylinders with pouring spout. Order by each.

Item No.	Description	Divisions	Case Qty.
PL-C010	10ml	0.2ml	100
PL-C025	25ml	0.5ml	100
PL-C050	50ml	1ml	100
PL-C100	100ml	1ml	100
PL-C250	250ml	2ml	50
PL-C500	500ml	5ml	20

Plastic Products



New

TISSUE CASSETTES INSERT

This new design can convert any Premiere Embedding or Biopsy Cassette into an eight compartment cassette. No longer do you have to order special expensive cassettes for needs of 2 to 8 compartments. Just add this low cost alternative and you can instantly transform your cassette into an 8 compartment cassette with inside dimensions of 11mm x 6 mm (2 compartments smaller by a 2x4mm corner). Made of high density acetyl polymers that will stand up to laboratory stains and protocols.

Item No.	Description
BC-0108	Cassette insert only, 100pcs/pk
BC-0108W	White Biopsy Cassettes with insert and lid, packed closed, 100pcs/bag



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-0109T	Tan
EC-0109G	Green	EC-0109W	White
EC-0109L	Lilac	EC-0109Y	Yellow
EC-0109O	Orange		

BIOPSY SPONGES

These biopsy sponges make mounting specimens much easier. Polyurethane sponges measure 1" x 1 1/4". These sponges are designed to fit in all standard cassettes. Color may vary.

HBS 1000pcs/bag, 10bags/case. Order per case
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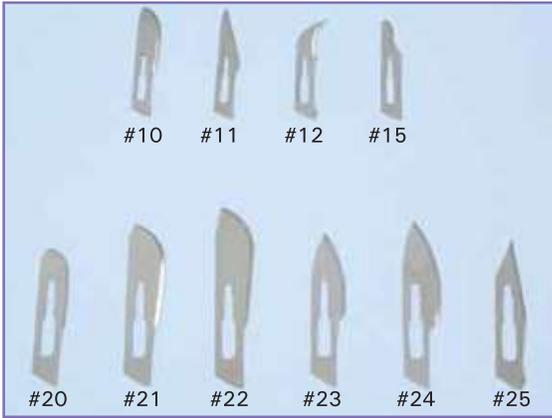
BASE MOLDS

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



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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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" x 3" x 2 $\frac{3}{4}$ " 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 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

Laboratory Apparatus



LAB JACK

Designed to support and elevate beakers, flasks and other lab equipment that may be too hot or heavy to lift. 5 3/4" square surface platform elevates from 3" to 10 1/2" by simple cranking of easy grip knob. Sturdy nickel plated steel can support up to 100lbs.

97-5701 Individually boxed, 8/case. Order by each.



HAND TALLY

Comfortable thumb push and easy to read numerals are ideal for counting cells or any other high number tally up to 9999.

97-5601 Individually boxed. 10/pk. 200/case. Order by each.



PIPET FILLER

Allows you to safely fill a pipet up to 25ml to a desired level and quickly dispense the liquid without worrying about any hazardous solutions. Bulb is made of chemically resistant rubber and can fit most glass or plastic pipets.

97-2401 Order by each, 100/case



PLASTIC FORCEPS

5" long sturdy plastic forceps with guide pin. Serrated tip and grip allow for easy and consistent use, sturdy and economical.

97-3901 50 pcs/pk, 10pk/case

97-3906 6 pcs/pk, 100pk/case

97-3910 10 pcs/pk, 50pk/case



GLASS STIRRING RODS

Used in all science laboratories to stir/mix substances. 5mm glass rods in three lengths. Sold per dozen, 50 dozen/case.

97-3200 200mm

97-3250 250mm

97-3300 300mm

Test Tube Clamps and Racks



CRUCIBLE TONGS

9 1/2" long, two prongs, serrated tips for firm grip. Provide a contamination-free gripping surface. Available in two types. Fine quality. 15/box.

97-2501	Nickel plated steel
97-2502	Stainless steel



TEST TUBE CLAMPS

Nickel plated iron, self closing jaw that can fit a test tube from 6 to 32mm. Overall length 5". Order per pack of 3, 100pk/cs.

97-4015	Standard
97-4016	With rounded finger grips to allow firmer hold.



WOODEN TEST TUBE CLAMP

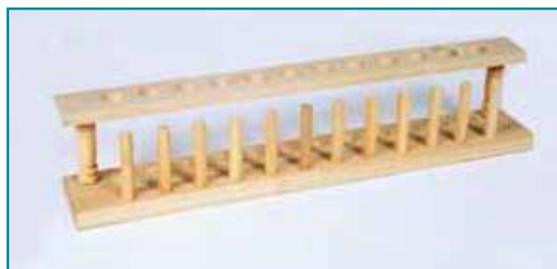
Test Tube Clamp made of strong wood, self closing & easily handled. 7" long.

97-4011	10/pk, Order by each in multiples of 10.
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WOODEN TEST TUBE RACKS

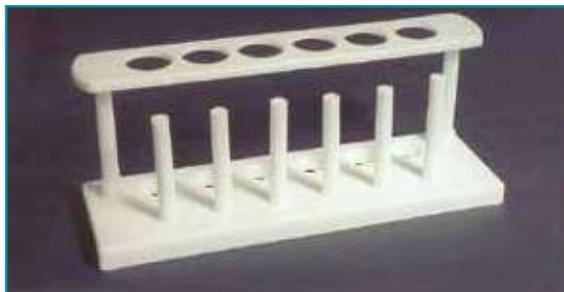


97-4606 6 Place (25mm), with drying pins



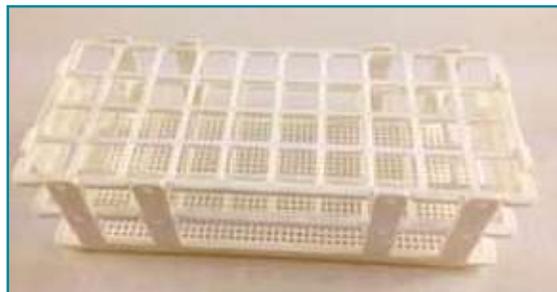
97-4612, 12 Place (25mm), with drying pins

PLASTIC TEST TUBE RACKS



ABS plastic rack with drying pins can hold 6 20mm tubes including 2 25mm.

97-4706 Order by each, 100/case.



40 Tube capacity white plastic racks are stackable and can be easily disassembled to store flat if desired. Ships flat (easy assembly required).

P35605-40 Holds 40 20mm diameter test tubes.

Clamps and Stands



THERMOMETER CLAMP

Great tool for holding thermometer so it does not have to rest on the bottom of the container. 360° rotatable, with adjustable jaw. Overall length 6 3/8". 200 per case.

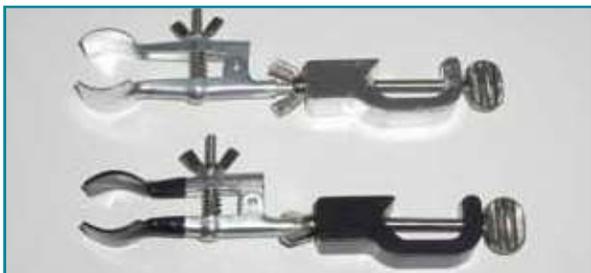
97-1701 Order by each.



HOFFMAN CLAMP

An open jaw, nickel plated clamp for flexible rubber tubing up to 1/2" diameter. Regulates the flow from fully open to closed. Lower jaw has a swivel-mounted for easy insertion of tubing without disconnecting apparatus.

97-1801 3pcs/pk, 200pk/case. Order per pack of 3.



MOHR PINCHCOCK CLAMP

A heavy nickel plated brass providing a flat clamping surface for plastic tubing up to 1/2" diameter.

97-1802 5pcs/pk, 50pk/case. Order per pack of 5.



BURETTE CLAMPS

Single jaw opens approximately 3/8" to 1 3/4", rotatable 360°. Overall length approx. 6 1/2". Order by each, 200/case.

97-1901 Plain jaw

97-1902 Plastic coated jaw

DOUBLE BURETTE CLAMPS

Can accommodate a burette at both ends. Holds gently without blocking markings on burettes.

97-1921 Order by each.



CLAMP HOLDERS

Holds rod up to 3/4" in diameter. One-piece clamp holder with fixed jaw angle. Order by each in multiples of 10.

97-4023 Aluminum, 10pcs/box



GLASS TUBING CUTTER

Spring loaded, accepts tubing up to 1 1/2" (38mm) in diameter.

97-1601 Individually boxed, 10/box. Order by each in multiples of 10.

SUPPORT STANDS WITH ROD

Threaded steel rod screws into sturdy base. Base is either rugged cast iron for stability or finished with chemical-resistant forged steel. Individually boxed, 10/case except 97-4169, 8/case.

Cast Iron	Base Size	Forged Steel
97-4146	4x6" (18" rod, 5/16" diameter)	97-4246
97-4158	5x8" (20" rod, 3/8" diameter)	97-4258
97-4169	6x9" (24" rod, 1/2" diameter)	97-4269



SUPPORT RINGS

Cast iron with clamp to attach to support stand rod. Cast-iron construction prevents breakage under normal use. Order by each.

97-4053 3" diameter

97-4054 4" diameter

97-4055 5" diameter

Alcohol Lamps & Bunsen Burners



ALCOHOL LAMPS

Improved design glass lamps have secure screw-on top. All have metal snuffer cap for extinguishing flame and to prevent odor and evaporation when not in use. Individually boxed, 50 per case. Alcohol not included.

97-5313 Glass, 120ml/4oz

97-5314 Glass, 60ml/2oz



REPLACEMENT WICKS

for alcohol lamps (above). Fits either size lamp.

97-5310 Pack of 12 wicks

WICKLESS METAL ALCOHOL LAMP

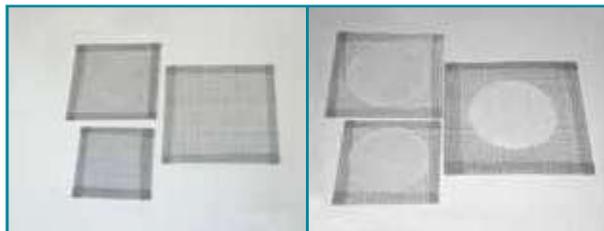
All-metal alcohol lamp has a single wickless burner, 100ml capacity. All have metal snuffer cap for extinguishing flame and to prevent odor and evaporation when not in use. Individually boxed, 50 per case. Alcohol not included.

97-5320

LAMP WITH STAND ASSEMBLY

All in one set includes: 150ml glass alcohol lamp with sturdy solid wooden base to prevent being knocked over and wire gauze stand for supporting your specimen for heating. Alcohol not included. Individually boxed, 40/case.

97-5318



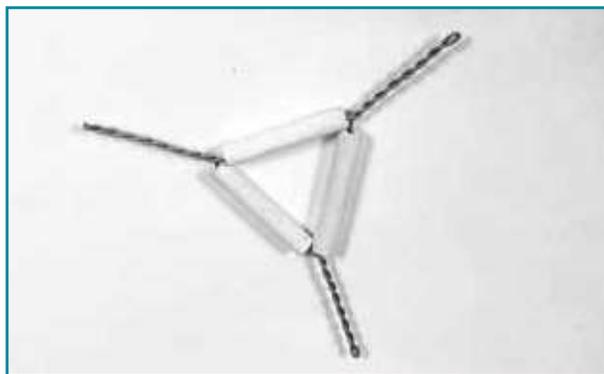
BURNER STANDS

Tripod Ring style with threaded steel legs which screw into cast iron ring.

97-4003 3½" diameter ring, stands 6" high

97-4004 4½" diameter ring, stands 9" high

97-4005 Stand with stainless steel wire gauze, approx. 5" high. 6/pk



WIRE GAUZE

Plain galvanized iron wire squares in assorted sizes. 10pcs/pk.

WG-144 4x4" Order by each in units of 10.

WG-155 5x5" Order by each in units of 10.

WG-166 6x6" Order by each in units of 10.

Asbestos-free ceramic center iron wire gauze squares. 10pcs/pk.

WG-244 4x4" (3" ceramic) Order by each in units of 10.

WG-255 5x5" (3½" ceramic) Order by each in units of 10.

WG-266 6x6" (3½" ceramic) Order by each in units of 10.



TRIANGLE

Galvanized, 16 gauge iron wire with clay pipe stems

WT-15 1½" side lengths

WT-20 2" side lengths

WT-25 2½" side lengths

BUNSEN BURNERS

Natural gas burners, with air and needle valve gas adjustments. Aluminum base, nickel plated steel tube 7/16" diameter, with brass fittings. 6 1/8" high. Packed 50/case.

97-5301 With flame control adjustment knob

97-5302 Standard

Accessories



SAFETY GOGGLES

Soft PVC vinyl frame with Polycarbonate lens fits face comfortably, elastic headband. Will fit over regular eyeglasses. Ventilation prevents fogging. They provide protection from particulates while offering a wider view of the work area than do traditional impact goggles. Meets ANSI Z87.1. Approximately 6" wide by 2 3/4" deep. Order by each in multiples of 10/pk. 100/case.

- 97-2001 Four plastic vents
- 97-2003 Perforated frame
- 97-2004 Perforated frame, small size, 5 3/4" x 2 1/2"



KNIFE SWITCHES

Brass pole and blades mounted on plastic base with screw type terminal for low voltage. Will not clip or break.

- 97-1101 Single Pole, Single Throw, 20 per box
- 97-1102 Single Pole, Double Throw, 10pcs per box
- 97-1103 Double Pole, Single Throw, 10pcs per box
- 97-1104 Double Pole, Double Throw, 10pcs per box



SHEAVE PULLEYS

Ideal for demonstrating the use of a simple machine to make work easier. Black ABS plastic with sturdy zinc plated iron hooks at top and bottom. 50mm (approx. 2") diameter. Order by each in multiples of 10.

- 97-1201 Single (20 per box)
- 97-1202 Double, 10pcs per box
- 97-1203 Triple, 10pcs per box
- 97-1207 Quadruple, 10pcs per box



TANDEM PULLEYS

- 97-1204 Double, 38 & 50mm diameter, 10pcs per box
- 97-1205 Triple, 29, 38 & 50mm, 10pcs per box

TEASING NEEDLE

Stainless steel probe available on plastic handle, 5 3/4" long. 12 pcs/pkg, 20dozen/box (240dozen/case). Order per dozen.

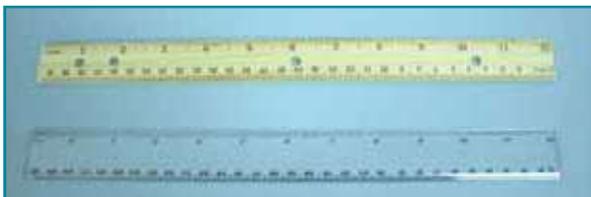
- 97-1313 White Plastic Handle, Straight Needle
- 97-1314 White Plastic Handle, Bent Needle



PLASTIC PETRI DISH

Economy Plastic Petri Dishes are 55mm diameter by 15mm deep with lid. Packed 10 pcs per bag and sterilized.

- PL-P6015 Order per pack of 10 (100pks per case)

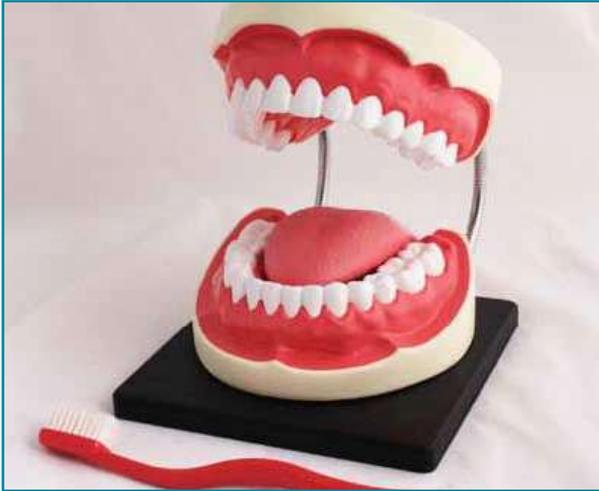


12 INCH RULERS

Economy 12" ruler includes metric scale on opposite side. Bulk packed.

- P60003 Clear plastic, 60pcs/box, 12 boxes (720pcs) per case.
- P60115 Wood with metal edge, 24pcs/box, 30 boxes (720pcs) per case.

Models and Tools



ORAL HYGIENE (DENTAL) MODEL

Large plastic model of teeth and gums including tongue is mounted on 7" square base and hinged to simulate normal opening and closing of the mouth. Use to demonstrate proper brushing of teeth and gums with the enclosed 11 inch toothbrush. Stands approximately 5½" tall with the mouth closed.

P25207 Individually boxed.



HUMAN EAR MODEL

Color plastic model of human ear cutaway to reveal middle and inner ear chambers is slightly larger than life size for detail. Also shows the tympanic membrane with the malleus, incus and attached stapes. Mounted on a sturdy plastic base 6 ½" x 5", stands approximately 5" high.

P25114 Individually boxed



INSECT NET

Quality nylon net is 42" long conical shaped, mounted on a telescoping aluminum handle that extends from 28" to 54". Opening measures 14" diameter.

P24301 Order by each, packed 50 per case.



GLASS MAGNIFIERS

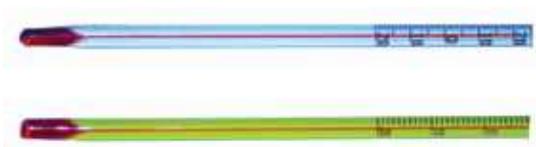
Polished glass lens on sturdy plastic frame, ideal for general purpose magnification. Individually boxed, order by each.

P22101 2 inches (50mm) diameter, 3X power

P22103 3 inches (75mm) diameter, 2X power

Lab Thermometers

Premiere® thermometers are accurate enough for the daily laboratory use, yet simple and versatile enough for students of all ages. Immersion thermometers are classified into two distinct categories, total and partial. **Total immersion** thermometers must be completely immersed for accuracy, while **partial immersion** thermometers are immersed up to the specified immersion line on the thermometer, which is usually 76 mm from the bulb.



Red-Filled Thermometer



97-3130 Blank Thermometer

5", measures 0 to 240°F. This unmarked red-filled thermometer allows students to explore and understand the calibration process with the graduated spaces of a thermometer. 10 per box (600 per case)



Blue-Filled Thermometer



Plastic Back



Metal Back

RED-FILLED THERMOMETERS

Non-toxic red-filled thermometers are not as accurate as mercury-filled thermometers, but can be used in most laboratory applications. Anti-roll device included, 10 per box (300 per case).

Item No.	Measuring Range	Length	Color
Partial Immersion			
97-3001	-20°C to 110°C x 1°	12"	White
97-3107	-20°C to 150°C x 1°	12"	White
97-3108	-20°C to 110°C x 1°/ 0 to 230°F x 2°	12"	White
97-3109	-20°C to 102°C x 1°	12"	White
97-3110	-10°C to 102°C x 1°	6"	White 600/cs
97-3106	-10°C to 110°C x 1°	12"	White
97-3003	-20°C to 110°C x 1°	12"	Yellow
97-3117	-20°C to 102°C x 1°	12"	Yellow
97-3118	-20°C to 110°C x 1°/ 0 to 230°F	12"	Yellow
Total Immersion			
97-3002	-20°C to 110°C x 1°	12"	White
97-3111	-20°C to 150°C x 1°	12"	White
97-3112	-20°C to 110°C x 1°/ 0 to 230°F	12"	White
97-3004	-20°C to 110°C x 1°	12"	Yellow
97-3119	-20°C to 110°C x 1°/ 0 to 230°F	12"	Yellow

BLUE-FILLED THERMOMETERS

The blue-filled liquid thermometer represents a non-toxic, safe, and clean environment for any classroom or general laboratory.

Anti-roll device included. Order in multiples of 10 per box, (300 per case).

Item No.	Measuring Range	Length	Color
Partial Immersion			
97-3137	-20°C to 110°C x 1°	12"	White
97-3132	-20°C to 150°C x 1°	12"	White
97-3133	0°F to 230°F	12"	White
Total Immersion			
97-3134	-20°C to 110°C x 1°	12"	White
97-3135	-20°C to 150°C x 1°	12"	White
97-3136	0°F to 230°F x 1°	12"	White

BACKED THERMOMETERS

Red-filled thermometers on metal or white plastic backing.

Item No.	Backing Style	Measuring Range	Packaging
97-3100	5 1/4" Plastic	-30°C to 50°C	10/pk
97-3101	5 1/4" Plastic	-30°C to 50°C/-20°F to 120°F	12/pk
97-3104	5 3/4" Metal	-30°C to 110°C/-20°F to 230°F	12/bx
97-3105	5 3/4" Metal	-20°C to 110°C	12/bx

Laboratory Porcelainware

Our economical Laboratory Porcelainware is made of high purity raw material, uniform in quality and resistant to acid and alkali. Designed to withstand sudden temperature changes without cracks, explosion or deformation. Under normal conditions the glazed pieces can sustain a temperature of 1050°C while the unglazed ones can withstand 1350°C.



CRUCIBLE WITH LID Glazed

Item Number	Capacity	Height	Rim Diam.	Pieces per box	Case Qty
LPC-10	15ml	23mm	43mm	45	540
LPC-12	30ml	30mm	51mm	45	270
LPC-18	10ml	28mm	30mm	45	540
LPC-18-1	15ml	30mm	35mm	45	540
LPC-20	20ml	32mm	38mm	45	540
LPC-25	100ml	59mm	63mm	12	96



EVAPORATING DISHES with spout

Inside bowl and outer rim glazed

Item Number	Capacity	Height	Rim Diam.	Pieces per box	Case Qty
LPC-46-2	35ml	25mm	60mm	20	320
LPC-48	50ml	28mm	70mm	20	320
LPC-49	60ml	30mm	74mm	20	320
LPC-51	100ml	35mm	90mm	10	120
LPC-55	150ml	40mm	104mm	10	120
LPC-59	250ml	48mm	118mm	10	120



FUNNELS

Glazed, with perforated filter

Item Number	Capacity	Inside Diameter	Pieces per box	Case Qty
LPC-143	30ml	40mm	8	144
LPC-144	50ml	50mm	8	144
LPC-145	120ml	70mm	4	48
LPC-146	200ml	90mm	4	48
LPC-149	1000ml	150mm	1	6



MORTAR WITH PESTLE

Mortar with spout, outside wall and rim glazed, handle of pestle glazed. Individually boxed.

Item Number	Capacity	Rim Diameter	Pieces per case
LPC-154	30ml	60mm	120
LPC-154-1	80ml	80mm	60
LPC-155	100ml	100mm	36
LPC-156	320ml	130mm	18
LPC-157	500ml	160mm	12



SPOTTING PLATES

Glazed with 21mm diameter depressions

LPC-161	6 hole	24 pcs per box	144/cs
LPC-162	12 hole	12 pcs per box	72/cs

Brushes



LB-01



LB-03



LB-06



LB-07



LB-08



LB-09



LB-11



LB-12



LB-13

NYLON BRUSHES

LB-01 White nylon chemical-resistant bristles with double-tufted end for cleaning beakers, jars and similar containers. Wooden handle. Bristle portion: $2 \frac{7}{8}$ " maximum diameter x 5" long. Overall length: 16"

LB-03 Imhoff Cone Brush-Tapered brush head with double bristle fan tip of natural and nylon bristles $\frac{3}{4}$ " to 4" x $9 \frac{1}{2}$ " long. Wooden handle. Overall length: 26"

Test Tube Brushes

LB-04 Stiff, white nylon chemical resistant bristles. Radial tufted end. Stainless steel wire handle. Bristles: $1 \frac{3}{8}$ " x 4". Overall length: 11". 12/pk.

LB-05 Nylon bristles with radial tufted end $\frac{7}{16}$ " x 3" with wire handle. Overall length: 9". 12/pk.

LB-06 Stiff, white nylon chemical resistant bristles. Radial tufted end. Stainless steel wire handle. Bristles: $\frac{3}{4}$ " x $3 \frac{1}{2}$ " Overall length: 9". 12/pk.

LB-07 Transfer Pipet Brush – Cone shaped stiff nylon bristles taper from $\frac{1}{4}$ " to $15/16$ " diameter x $7 \frac{1}{2}$ " long on wire handle. Overall length: 17". 12/pk.

LB-08 For cleaning small diameter tubes. Soft nylon bristles $\frac{1}{2}$ " x 3" long in the middle of 24" wire handle. 12/pk.

LB-09 Made for cleaning funnel stems and capillary tubes. White nylon bristles $\frac{1}{2}$ " x $2 \frac{1}{2}$ " long. Overall length: 12". 12/pk.

Beaker Brushes

LB-10 Spiral wound black nylon bristles $2 \frac{1}{2}$ " x 4" long with extra-heavy tuft end. Wooden handle. Overall length: 12"

LB-11 Larger beaker brush 3" x 5" long black nylon bristles. Overall length: 16"

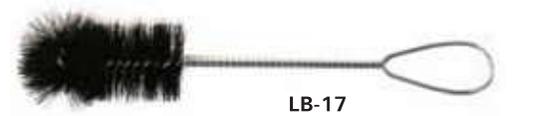
LB-12 Double tufted end black nylon bristles 3" x $5 \frac{1}{2}$ " long. Overall length: 13"

LB-13 Two rows of bristles measure 3" across rows, 2" across side. End tuft is helpful for cleaning corners. Wooden handle. Overall length: 16".



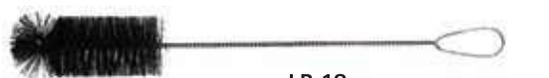
LB-14

LB-14 Container brush is attached to heavy wire handle by swivel joint. Single row black nylon bristle section 1 1/2" x 4 1/4" long. Overall length: 12". 12/pk.



LB-17

LB-16 Buret brush with tapered black nylon bristles 3/4" x 3 1/4" long on 36" wire handle. 12/pk.



LB-18

LB-26 Buret brush – for cleaning 75ml & 100ml tubes. 1" x 4" white nylon bristles. Wire handle. Overall length: 36". 12/pk.



LB-20

Cylinder or Nessler Tube Brushes

LB-17 1 3/4" x 4" black nylon bristles on 12" wire handle. 12/pk.

LB-18 2 3/8" x 6" black nylon bristles on 20" wire handle. 12/pk.

LB-19 2 3/8" x 6" black nylon bristles on 30" wire handle. 12/pk.

LB-20 1" x 4" black nylon bristles on 19" wire handle. 12/pk.



LB-21

LB-21 Babcock Bottle brush – Black nylon bristles in fan style tip 1 3/4" x 2" long with 1/2" x 3" long bristle on wire shaft. Overall length: 11 1/2". 12/pk.



LB-22

NATURAL BRISTLE BRUSHES

Test Tube Brushes

LB-22 Unbleached natural bristles 1 3/8" x 4" long on 10 1/2" wire. 12/pk.



LB-23

LB-23 Unbleached natural bristles 3/4" x 3 1/2" long on 9 1/2" wire. 12/pk.



LB-24

LB-24 Unbleached natural bristles 1 3/8" x 3" long with black nylon 1" tuft on tip. Tuft is helpful for getting into corners. Wire handle. Overall length: 10". 12/pk.



LB-25

LB-25 Centrifuge Tube brush – Bristle portion tapers from 1/2" at tip to 13/16" diameter x 3 1/2" long. Wire handle. Overall length: 9". 12/pk



LB-27

LB-27 Use to clean tubes up to 7/16" diameter. Natural bristles are 1/2" diameter x 3" long. Wire handle. Overall length: 12". 12/pk.

LB-28 Use to clean tubes up to 7/16" diameter. Natural bristles are 1/2" diameter x 3" long. Wire handle. Overall length: 24". 12/pk.

Brushes



LB-29



LB-30



LB-31



LB-32, LB-33, LB-34, LB-35



LB-36



LB-37



LB-38



LB-39



LB-40

CAMEL HAIR BRUSHES

LB-29 Replacement tips for LB-31 (below). Camel hair portion $\frac{1}{2}$ ". 12/pk.

LB-30 Useful for dusting balances. Camel hair portion has full body and slightly pointed tip. Brush size $\frac{3}{4}$ " diameter by $1\frac{1}{2}$ " long. Wooden handle. Overall length: 9". Can also function as paint brush.

LB-31 Soft brown hair with metal ferrule on thin wooden handle. Hair portion is $\frac{3}{16}$ " diameter at widest point and $\frac{13}{16}$ " long. Overall length: $7\frac{3}{4}$ ". 12/pk. Can also function as paint brush.

NYLON PAINT STYLE BRUSHES

LB-32 Plastic handled brush for painting or dusting. Tapered nylon bristles. 2" wide. Overall length: $7\frac{1}{2}$ ".

LB-33 Plastic handled brush for painting or dusting. Tapered nylon bristles. $\frac{1}{2}$ " thick, $2\frac{1}{2}$ " wide. Overall length: 9".

LB-34 Plastic handled brush for painting or dusting. Tapered nylon bristles. 1" thick, $2\frac{1}{2}$ " wide. Overall length: 10".

LB-35 Plastic handled brush for painting or dusting. Tapered nylon bristles. $\frac{1}{2}$ " thick, $3\frac{1}{4}$ " wide. Overall length: $10\frac{1}{2}$ ".

CAMEL HAIR PAINT BRUSHES

LB-36 Brush helpful for dusting sensitive instruments. Camel hair mounted on wooden handle with metal ferrule. Brush portion is $\frac{3}{4}$ " x $\frac{1}{2}$ " wide. Overall length: $6\frac{1}{2}$ ".

LB-37 Brush helpful for dusting sensitive instruments. Camel hair mounted on wooden handle with metal ferrule. Brush portion is 1" x 1" wide. Overall length: 6".

LB-38 Brush helpful for dusting sensitive instruments. Camel hair mounted on wooden handle with metal ferrule. Brush portion is $1\frac{1}{4}$ " x 2" wide. Overall length: $8\frac{1}{4}$ ".

METAL BRUSH

LB-39 Made for cleaning lead and other assay buttons. Stiff black nylon bristles protrude $\frac{1}{2}$ " from both ends of $\frac{11}{16}$ " diameter steel tube 3" long. Overall length: 4".

BRASS WIRE BRUSH

LB-40 Brass wire brush with 5" wooden handle is suitable for cleaning corroded or dirty metal surfaces. Bristle portion is $\frac{5}{8}$ " x 5" long. Overall length: 10".

Funnels and Petri Dish



FUNNELS

Made of borosilicate glass with fire-polished edges to reduce chipping.

Item No.	O.D. of mouth	Packing
GL-H50	50mm	(288pcs/case)
GL-H60	60mm	(96pcs/case)
GL-H75	75mm	(96pcs/case)
GL-H100	100mm	(72pcs/case)

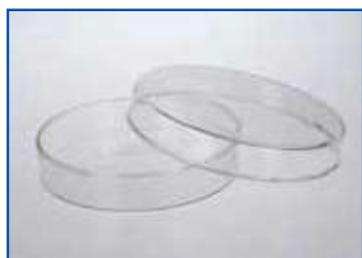


SEPARATORY FUNNEL

with Glass Stopcock or PTFE Stopcock

Lower stems made of large-diameter tubing for liquid to drain out completely when stopcock is open. Pear-shaped with 60mm stem length. Made of high quality borosilicate glass, heat-resistant. Max Temperature: 680°C

Glass Stopcock	PTFE Stopcock	Size	Packing
GL-J60	GL-K60	60ml	(60pcs/case)
GL-J125	GL-K125	125ml	(48pcs/case)
GL-J250	GL-K250	250ml	(32pcs/case)
GL-J500	GL-K500	500ml	(24pcs/case)
GL-J1000	GL-K1000	1000ml	(12pcs/case)
GL-J2000	GL-K2000	2000ml	(6pcs/case)



PETRI DISH

Disposable glass accommodates deeper media fills for longer culture periods. Use for fungal cultures and plant propagation. Made of borosilicate glass. 100mm diameter, 20mm high.

Item No.	Size	Packing
GL-P100	100mm	(120pcs/case)

GL-# items are sold in full case quantity only.
Generally non-stock and special ordered upon request.
Lead time will apply.

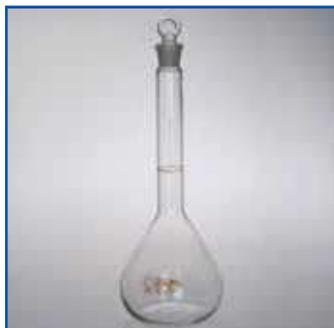
Flasks



FILTERING FLASK

Tabulations for easy connections to filter pumps. Heavy walls are graduated on sides with flat bottoms. Neck finished to give excellent fitting for rubber stoppers (not included). Made of high quality borosilicate glass, it can withstand up to 600°C. Filter connection 9 mm O.D. Neck 40 mm I.D.

Item No.	Capacity	O.D	Height	Packing
GL-L100	125ml	64mm	105mm	(72pcs/case)
GL-L250	250ml	85mm	135mm	(40pcs/case)
GL-L500	500ml	105mm	170mm	(24pcs/case)
GL-L1000	1000ml	131mm	210mm	(16pcs/case)



FLASK

Made of borosilicate glass, it can withstand up to 600°C. With graduation marks and glass stopper.

Item No.	Capacity	Height	Packing
GL-M25	25ml	110mm	(288pcs/case)
GL-M50	50ml	140mm	(288pcs/case)
GL-M100	100ml	170mm	(144pcs/case)
GL-M250	250ml	220mm	(72pcs/case)
GL-M500	500ml	260mm	(48pcs/case)
GL-M1000	1000ml	310mm	(24pcs/case)



FLAT BOTTOM FLASK

Economically priced flasks for most analytical work. White, permanently etched graduation lines calibrated for designated volumes. Made of borosilicate glass, it can withstand up to 600°C. Flat bottom, short neck with beaded rim.

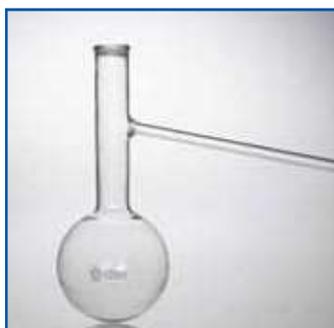
Item No.	Capacity	O.D	Height	Packing
GL-N250	250ml	88mm	160mm	(72pcs/case)
GL-N500	500ml	110mm	200mm	(48pcs/case)
GL-N1000	1000ml	140mm	250mm	(24pcs/case)
GL-N5000	5000ml	239mm	469mm	(4pcs/case)



ERLENMEYER FLASK

Recommended for use as titration flasks. Heavy duty tooled top finish, with thick walls, wide mouth, and long tapered outside contour to minimize chipping. With durable white graduations on side. Stoppers not included. Made of borosilicate glass, flask can withstand up to 680°C.

Item No.	Capacity	O.D	Height	Packing
GL-S100	100ml	64mm	105mm	(192pcs/case)
GL-S250	250ml	85mm	140mm	(72pcs/case)
GL-S500	500ml	105mm	175mm	(48pcs/case)
GL-S1000	1000ml	131mm	215mm	(24pcs/case)



ENGLER DISTILLING FLASK

Round bottom, vial mouth, with side arm at 75° angles located approximately 5 3/8" (137mm) from bottom of flask. Made of high quality borosilicate glass. It can withstand up to 600°C

Item No.	Size	Packing
GL-B125	125ml	(32pcs/case)



LOW WALL BEAKER

Made of heat resistant borosilicate glass. Maximum Temperature: 680°C, with graduation marks and spout.

Item No.	Capacity	O.D	Height	Packing
GL-R100	100ml	51mm	70mm	(192pcs/case)
GL-R250	250ml	70mm	95mm	(144pcs/case)
GL-R400	400ml	80mm	110mm	(72pcs/case)
GL-R600	600ml	90mm	125mm	(48pcs/case)
GL-R1000	1000ml	106mm	145mm	(24pcs/case)



HIGH WALL BEAKER

Made of heat resistant borosilicate glass. Maximum Temperature: 680°C, with graduation marks and spout.

Item No.	Capacity	O.D	Height	Packing
GL-RH100	100ml	45mm	88mm	(192pcs/case)
GL-RH250	250ml	60mm	122mm	(72pcs/case)
GL-RH400	400ml	70mm	138mm	(72pcs/case)
GL-RH600	600ml	80mm	165mm	(48pcs/case)
GL-RH1000	1000ml	100mm	195mm	(24pcs/case)



MEASURING CYLINDER

Heavy base with pouring lip. Accuracy assured even at lowest graduations. First 10% of volume at bottom is not graduated. Calibrated. Made of heat resistant borosilicate glass. Max Temperature: 680°C.

Item No.	Capacity	Height	Packing
GL-T25	25ml	160mm	(144pcs/case)
GL-T50	50ml	195mm	(144pcs/case)
GL-T100	100ml	250mm	(96pcs/case)
GL-T250	250ml	300mm	(48pcs/case)
GL-T500	500ml	350mm	(24pcs/case)
GL-T1000	1000ml	430mm	(12pcs/case)



MEDIA STORAGE

Made of borosilicate glass. It can withstand up to 600°C. Includes screw on PE plastic lid.

Item No.	Size	Packing
GL-F100	100ml	(120pcs/case)
GL-F250	250ml	(80pcs/case)
GL-F500	500ml	(48pcs/case)

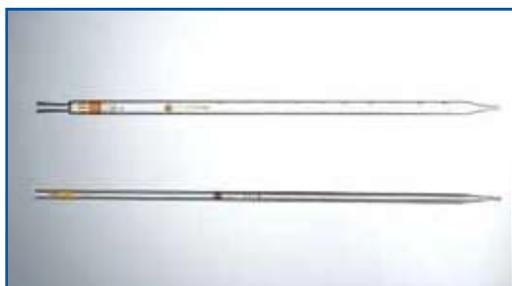
Pipette & Test Tubes

PIPETTE, Volumetric

Suitable for sampling a wide range of liquid environments such as pond water or biological fluids for microscopy. Also for general chemical handling avoiding cross contamination. The graduated volume means total capacity. These really are an essential tool for use within the laboratory environment. Made of soda lime glass. Max Temperature: 200°C



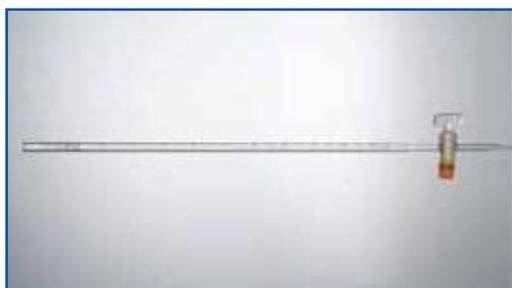
Item No.	Capacity	Capacity tolerance(± ml)	Length	Packing
GL-A1	1ml	0.015ml	330mm	(240pcs/case)
GL-A5	5ml	0.03ml	400mm	(240pcs/case)
GL-A10	10ml	0.04ml	450mm	(180pcs/case)
GL-A20	20ml	0.06ml	560mm	(120pcs/case)
GL-A25	25ml	0.06ml	570mm	(120pcs/case)
GL-A50	50ml	0.10ml	600mm	(60pcs/case)
GL-A100	100ml	0.16ml	640mm	(60pcs/case)



PIPETTE, Serological

Tough soda lime glass serological pipets for any laboratory use. Brown graduation markings every 0.1 mL with every mL emphasized with a long marking and negative markings to -1 mL. The tips are tapered for easier delivery and fire polished for even, reliable flow.

Item No.	Capacity	Capacity tolerance(± ml)	Length	Packing
GL-E1	1ml	0.008ml	350mm	(600pcs/case)
GL-E5	5ml	0.025ml	350mm	(480pcs/case)
GL-E10	10ml	0.05ml	350mm	(480pcs/case)
GL-E25	25ml	0.01ml	470mm	(240pcs/case)



BURETS

Made of soda lime glass. Tips carefully drawn to ensure accuracy. Accurate bore tubing in body. Glass stopcock and plastic dust cap included.

Item No.	Capacity	Length	Packing
GL-G25	25ml	630mm	(60pcs/case)
GL-G50	50ml	860mm	(60pcs/case)



TEST TUBE

Made of borosilicate glass, these test tubes can withstand up to 600°C. Specific orders can be produced according to customer's request.

Item No.	Size	Packing
GL-U10	10 × 75mm	(1000 pcs/case)
GL-U12	12 × 75mm	(1000 pcs/case)
GL-U100	13 × 100mm	(1000 pcs/case)

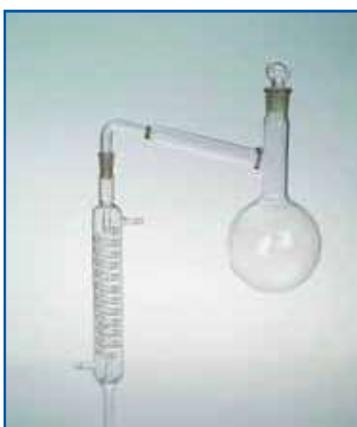
Desiccator and Distilling Apparatus



DESICCATOR

Made of high quality soda lime glass. The products enclose a porcelain plate which can hold the desiccant. The desiccant can absorb the water. Sizes refer to the inside diameter by total height.

Item No.	Size	Packing
GL-Q150	150 × 220mm	(2pcs/case)
GL-Q210	210 × 320mm	(1pcs/case)
GL-Q240	240 × 360mm	(1pcs/case)



DISTILLING APPARATUS WITH GRAHAM CONDENSER

Made of high quality borosilicate glass. It can withstand up to 600°C. This instrument is suitable for pure water distillation and other kinds of distillation in the laboratory. Flask capacity: 1000ml; 200mm condenser.

Item No.	Size	Packing
GL-C1000	1000ml	(8pcs/case)



GRAHAM CONDENSER

Has both inner and outer joints. For use in vacuum distillation. Jacket sealed to inner tube. Drip tip at end. Hose connections are 10mm O.D. Top opening diameter 29mm. Made of high quality borosilicate glass. It can withstand up to 600°C.

Item No.	Size	Packing
GL-D200	200mm	(24pcs/case)
GL-D400	400mm	(24pcs/case)

GL-# items are sold in full case quantity only.
Generally non-stock and special ordered upon request.
Lead time will apply.

Clearance Items

These items will be discontinued when sold out. Available only while supplies last.



BALL & RING

Shows the expansion of metal when heated. Brass ball fits through brass ring at same temperature but will not fit if ball is heated. Wooden handles.

97-1001



KNIFE EDGE LEVER CLAMP

A well-constructed metal lever clamp fits a standard meter stick and is used in setting up a demonstration balance to study principles of levers, torque, etc. Can also be used to suspend weights from the stirrup. Order by each.

97-1501



LINCOLN TYPE DOUBLE BURETTE CLAMP

Economy style double burette clamp holds two burettes in self closing jaws. 50/case. Order by each.

97-1922



GLASS BEADS

Solid 5mm water white glass beads used most often as an inert boiling stone and used to pack distillation tubes. Packed by weight, 25grams/pk., 19pk/box equals approx. one pound. 10boxes per case. Order per box (pound).

97-3501



WOODEN FUNNEL SUPPORT

Clamps onto support stand and can hold up to 4 funnels.

97-4801



FASTSHOT™ SLEEVED TISSUE CASSETTES

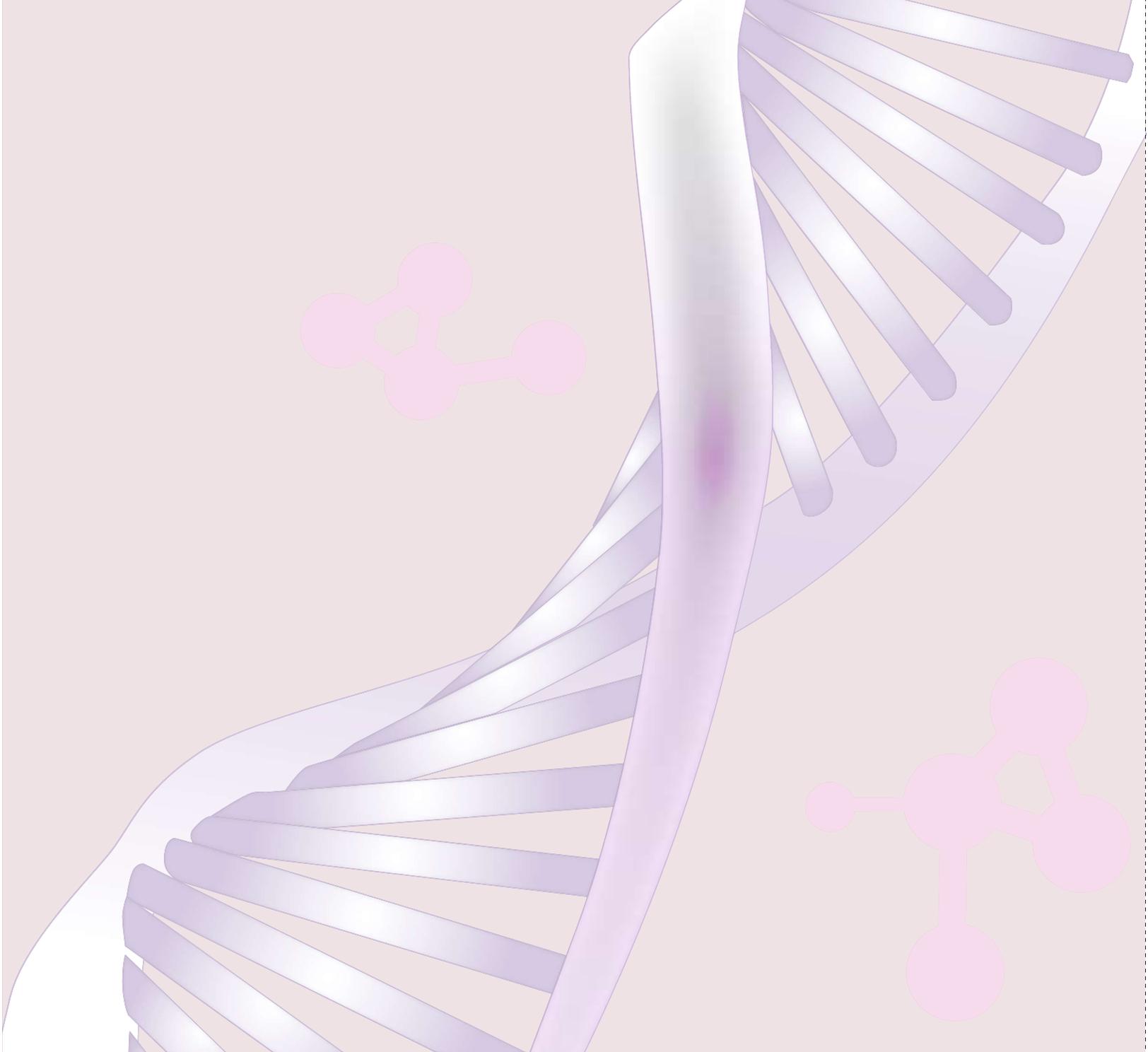
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EC-S75W – White Embedding Cassettes

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