

# ELECTRON MICROSCOPY ESSENTIALS

*Instruments, Tools, Chemicals and Consumables for Electron Microscopy.*



## PELCO BIOWAVE® PRO MICROWAVE PROCESSOR

The new design of the PELCO BioWave® Pro+ introduces features that improve efficiency and streamline functionality. It is built on trusted technology and adds enhancements for efficient laboratory processing. This new tissue processor further enhances processing of tissue for diagnostic and research TEM, immunofluorescence and confocal specimen processing.

The PELCO BioWave® Pro+ meets the current needs of the modern laboratory with up-to-date technology. Clickable text navigation allows for simple and clear screen interaction. Live run-time graphs provide an easily accessible view of the current protocol in real-time. The simplified protocol selection screen allows one-touch access to loaded and custom protocols.

- User-friendly run screens with clickable text navigation
- Live run-time graph and clear view of run settings in real-time
- Ideal for multi-user environments with new multi-user profiles
- Two USB ports for easy data transfer and storage
- Easily upload custom protocols
- PELCO BioWave® Pro+ RPM app for data transfer and review

36700 PELCO BioWave® Pro+ Microwave Processing System, 120VAC... each

36700-230 PELCO BioWave® Pro+ Standard System, 230VAC.....each



## PELCO EASIGLOW™ GLOW DISCHARGE CLEANING SYSTEM

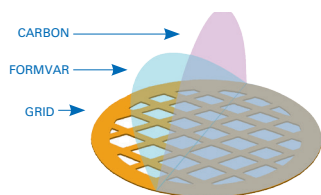
A compact, quick and easy-to-use standalone system. Primarily designed for hydrophilization of TEM carbon support films which have the tendency to be hydrophobic. A glow discharge treatment with air will make the carbon film surface negatively charged (hydrophilic) which allows aqueous solution to spread easily.

The PELCO easiGlow™ is an affordable and easy-to-operate glow discharge system for any TEM lab. The practical chamber size with its newly designed glow discharge head and adjustable stage with glass slide holder allows for easy loading and fast turnaround times. The system is fully microprocessor controlled and includes an intelligent touch screen device for operation and display of operation parameters. The PELCO easiGlow™ supports both hydrophilic and hydrophobic treatment with either negative or positive charge and includes two separately controlled gas inlets. The required vacuum level is set by an electronically controlled precision proportional valve. This novel approach eliminates manual setting with a needle valve. A soft venting procedure ensures that the TEM grids are not disturbed when the system is vented.

We offer the affordable GD4 dual stage rotary vacuum pumping system, designed specifically for the optimum pressure range (0.45 to 1.1 mbar) for glow discharge procedures.

91000	PELCO easiGlow™ Glow Dishcharge System.....	each
91040	GD4 Vacuum Pumping System, 4.3m <sup>3</sup> /hr incl. Connection Kit, 115V, 60Hz .....	each
91040-230	GD4 Vacuum Pumping System, 3.6m <sup>3</sup> /hr incl. Connection Kit, 230V, 50/60Hz .....	each

## SUPPORT FILMS FOR TRANSMISSION ELECTRON MICROSCOPY



We offer a comprehensive line of support films and substrates, including formvar, carbon, lacey carbon, silicon monoxide. Grid choices range from 400 mesh to 1x2mm Single Slot grids, in all popular materials -- copper, nickel, gold, and more. Carbon coating is offered in different

strength and transparency, from Ultrathin (3-4nm) to thicker 5-10nm to the most robust 15-30nm thick films.

FIND OUR EXTENSIVE SELECTION OF  
SUPPORT FILMS ON A WIDE VARIETY OF  
GRID CHOICES AT:

[www.tedpella.com](http://www.tedpella.com)

**TED PELLA, INC.**  
Microscopy Products for Science and Industry

[www.tedpella.com](http://www.tedpella.com) [sales@tedpella.com](mailto:sales@tedpella.com) 800-237-3526

# ELECTRON MICROSCOPY ESSENTIALS

*Instruments, Tools, Chemicals and Consumables for Electron Microscopy.*



## CHEMICALS FOR ELECTRON MICROSCOPY

### Fixatives

Glutaraldehyde, 25% EM grade, 10 x 10ml.....	18426
Glutaraldehyde, 50% EM grade, 10 x 10ml.....	18431
Glutaraldehyde, 8% EM grade, 10 x 10ml.....	18421
Paraformaldehyde, EM Grade, Prill Purified, 1kg.....	18501
OsmiumTetroxide, 1 gram crystal.....	18456
OsmiumTetroxide, 2% aqueous, 10 x 5ml.....	18466
OsmiumTetroxide, 4% aqueous, 10 x 10ml.....	18465

### Processing Chemicals

Cacodylic Acid, Sodium Salt, trihydrate, 100g.....	18851
Ethyl Alcohol, Anhydrous, 1 Liter, A.C.S., glass distilled.....	19206
Propylene Oxide, EM Grade, 450ml.....	18601
Sodium Phosphate, dibasic, heptahydrate, Reagent, ACS, 450g.....	19545

### Resin

Eponate12™ EmbeddingKit,DMP-30catalyst.....	18010
LR White Resin, Medium, 500ml.....	18181
Accelerator for LR white, 10ml.....	18185

### Stains

Toluidine Blue O, certified, 25g.....	19451
Uranyl Acetate, 25g.....	19481
Lead Citrate, Trihydrate, 50g.....	19314

For product details, complete selection and ordering information, visit:

**[www.tedpella.com/chemical\\_html/chem3.htm](http://www.tedpella.com/chemical_html/chem3.htm)**

# ELECTRON MICROSCOPY ESSENTIALS FROM TED PELLA, INC.



## BIOMEGA HOT PLATE - STIRRERS

Biomega Hot Plates, Magnetic Stirrers and Hot Plate-Stirrers feature an exceptionally durable, chemical resistant white ceramic work surface. Their space-efficient design (20.3 x 22.9cm [8" x 9"] footprint), makes them

ideal for use on crowded benchtops and inside of bio-hoods.

Advanced microprocessor controls with convenient turn knobs allow quick, precise adjustment and maintenance of speed and temperature. Safety indicator LED's on the front panel indicate when the heating and / or stirring functions have been activated. Sturdy, powder coated, cast aluminum construction.

With a square 19cm (7.5") work surface, the hot plate/stirrer is compatible with a wide variety of popular sizes of borosilicate glass beakers, flasks, bottles and other vessels. Comes complete with a support rod for mounting thermometers and temperature probes. Stir bars must be ordered separately.

3235	P40-HS Hot Plate, 115V.....	each
3235-230	P40-HS Hot Plate, 230V.....	each
3260-1	Stir Bar, 51 x 8mm (2" x 0.32").....	each
3260-2	Stir Bar, 38 x 8mm (1.5" x 0.32").....	each
3260-3	Stir Bar, 25 x 8mm (1" x 0.32").....	each
3260-4	Stir Bars, 8 x 1.5mm (0.32" x 0.06").....	pkg/2



## PELCO® DIAMOND KNIVES

Available for all ultramicrotomy, cryo, histology and materials applications.

### Standard Ultramicrotomy (SU)

- Biological, biomedical specimens
- 25nm - 200nm thickness range
- Available in edge lengths of 1.5- 6mm
- Standard knife angle supplied is 45°, unless specified as 35° or 55° (both custom)
- Supplied with black anodized "S" Boat (standard), oval cavity

### Cryo Wet Ultramicrotomy (CW)

- Frozen specimens sectioned wet with liquids such as ethylene glycol
- 50nm - 1µm thickness range
- Available in edge lengths of 1.5 - 6mm
- Standard knife angle supplied is 45°, unless specified as 35° (custom)
- Supplied with "W" Boat, stainless steel non-glare finish for wet cryo sectioning, cylindrical cavity and 6° inclined top edge

### Cryo Dry Ultramicrotomy (CD)

- Frozen specimens sectioned dry
- 50nm - 1µm thickness range
- Available in edge lengths of 1.5 - 6mm
- Standard knife angle supplied is 45°, unless specified as 35° (custom)

- Supplied with "D" Boat (no trough) for dry cryo sectioning with stainless steel, non-glare finish

### Materials Science (MS)

- Industrial materials sectioning, not tested to the same ultra high standards as standard ultramicrotomy knives
- 50nm - 2µm thickness range
- Available in edge lengths of 3 - 6mm (6.5 and 7mm edge length is not currently available)
- Standard knife angle supplied is 45°, unless specified as 55° (custom)
- Supplied with Black anodized "S" Boat (standard), with oval cavity unless otherwise specified.

### Resharpener Service Available

Any brand of knife can be resharpener to like new condition or exchanged for a new diamond knife. Note: new diamond knives can not be provided in sizes 7mm or larger in edge width due to unavailability of larger diamonds at this time.

Call Customer Service at 1-800-237-3526 for Details.

## DIAMOND KNIVES ORDERING INFORMATION & PRODUCT DETAILS AT:

[www.tedpella.com](http://www.tedpella.com)



## RECONDITIONED LKB KNIFE-MAKER

Fully reconditioned, previously owned LKB 7800 KnifeMaker with new scoring wheel. Repaired and adjusted to A-1 condition. If you use glass knives for trimming, thick or ultrathin sectioning, you can

use this unit to make the best knives you can get. Includes glass knife fork tool. Comes with a 90 day warranty. Set up to factory specifications for 25 and 38mm wide glass strips and a thickness of 6-7mm.

7800-U Reconditioned LKB 7800 KnifeMaker..... each

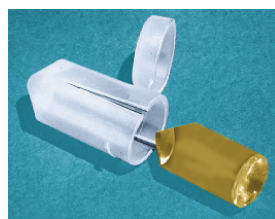
## LKB KNIFEMAKER OVERHAUL & CLEANING

*We will clean it, replace the scoring wheel, adjust it and return it to you in approximately one week.*

For this small investment, you can get your old Classic KnifeMaker back in A-1 condition. If you use glass knives for trimming, thick or ultrathin sectioning, you deserve the best knives you can get. Allow us to put life back into your KnifeMaker. Models serviced are: LKB 7800, LKB 7801, LKB 2178, and Reichart-Jung KnifeMaker. Set up to factory specifications for 25 and 38mm wide glass strips and a thickness of 6-7mm. Since many customers do not have the original packaging for this equipment, we have devised a special crate for shipping us the unit and for getting it back to you in pristine condition. Ask our customer service representative for shipping costs. This is an overhaul service. Repair and replacement of other parts are not included.

7800 LKB KnifeMaker Overhaul..... each





### BEEM® SPECIMEN EMBEDDING CAPSULES, SIZE 00

*The standard in the EM field.*

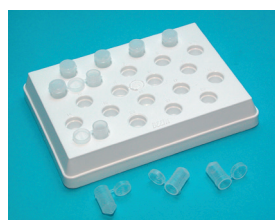
BEEM® pioneered the development of certain TEM specimen preparation products. Their embedding capsule

remains a standard product for routine EM.

Preformed capsule tips in the shape of a truncated pyramid with a flat 1 x 1mm face at the end reduce trimming time and produce cleaner surfaces. A hinged cap is used for closure or may be used for making flat-tipped molds.

Size 00 produces embedding blocks with OD 7.9mm.

130 BEEM® Capsules, Size 00 ..... pkg/100



### BEEM® CAPSULE HOLDER FOR SIZE 00

*For curing resins under UV, 22 numbered cavities.*

Also holds gelatin capsules. May be illuminated from below for orienting specimens.

132 BEEM® Capsule Holder for Size 00 ..... each



### BEEM® CAPSULE PRESS

Designed for speed and safety, eliminating possible razor blade cut injuries.

BEEM® 00, SPB, SPC and No. 3 capsules may be removed. Each press includes the adapter for No. 3 BEEM® capsules.

131 BEEM® Capsule Press ..... each

131-B BEEM® Adapter for the No. 3 Capsules..... each



### PELCO® FLAT EMBEDDING MOLDS

Alphanumeric self-impression cavities, pretrimmed end.

Available in blue, white, or translucent silicone rubber.

**Maximum Temperature:** 218°C (425°F).

**Number of Cavities:** 24

**Numbering:** A1- A6, B1-B6, C1-C6, D1-D6

**Special Cavities:** 2 Troughs - 1 x 3cm x 3mm D,  
1 Trough - 1 x 1.7cm x 3mm D

**Mold Size:** 105 x 70 x 7mm Thick

105 PELCO® Flat Embedding Mold, Blue .... each

105-2 PELCO® Flat Embedding Mold, White.. each

15004 PELCO® Flat Embedding Mold, Trans .. each

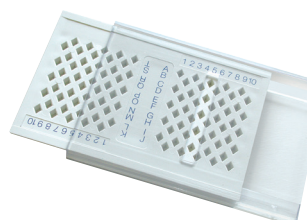


### PELCO® GRID STORAGE BOX

Widely used compact grid box for 50 standard 3.05mm TEM grids with smoothly sliding

clear plastic cover is matched to a tough, clean, self-lubricating base. The diamond-shaped grid compartments are designed to minimize awkward wrist or hand movements. The depth of the holes restricts grid movement when transported. The materials selected for the PELCO® Grid Box are static dissipative to avoid static charges on the grids. Dimensions: 77.5 x 41 x 9mm.

160 PELCO® TEM Grid Storage Box .....each



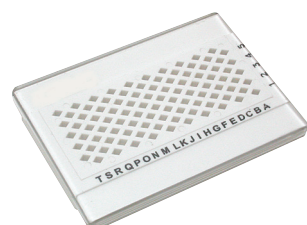
### GILDER GRID BOX

Intended for use in both routine grid handling and long term grid storage. Holds 100 TEM grids. Each of the diamond shaped compartments will accept a standard 3.05mm grid. Each position has a letter and number

molded into the surface of the box. To further ease grid handling, the plastics are anti-static treated. A central access position in the lid reduces the number of grids exposed when selecting any particular grid. Dimensions: 85 x 59 x 7mm.

A record card is supplied free with each SB 100 grid box. The folding card has a durable coated exterior and the interior is suitable for writing with normal pen or pencil.

SB100 Grid Storage Box for 100 Grids w/ Record Card .....each



### GSB100 TEM GRID STORAGE BOX

Used to store standard 3.05mm TEM grids for routine grid handling, transport and long term storage. Compartments are diamond shaped for safe grid storage. Easy position

identification with number/letter combination printed on the white grid body. Both body and clear sliding lid are anti-static treated. A paper grid storage record card with printed ID numbers is included. Dimensions: 75 x 55 x 6.5mm.

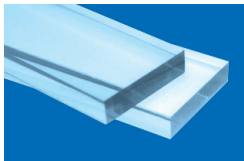
162-100 GSB100 Grid Storage Box for 100 Grids w/ Record Card..... each



EXTENSIVE SELECTION OF  
PELCO® GRIDS, FINDER/  
REFERENCE GRIDS, SPECIAL  
METAL GRIDS, VECO, ATHENE,  
& STRATATEK™ GRIDS AT:

# www.tedpella.com

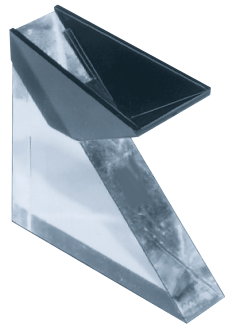
# ELECTRON MICROSCOPY ESSENTIALS FROM TED PELLA, INC.



## GLASS STRIPS

High quality glass, accurately cut for square edges; 6, 10 and 12mm thick; 25mm and 38mm width for glass knife makers or hand breaking.

8030	Glass Strips, 25mm W x 200mm L x 6mm Thick .....	pkg/24
8032	Glass Strips, 25mm W x 400mm L x 6mm Thick .....	pkg/30
8035	Glass Strips, 25mm W x 200mm L x 10mm Thick .....	pkg/24



## PELCO® GLASS KNIFE BOATS

Plastic disposable boats which fit glass knives 6.4mm thick. These boats provide a larger interior than boats made of tape and no sticky walls to which sections may adhere. Glass Knife Boats (GKB) slip on the back of the glass knife and are sealed with wax, black nail polish or clear nail polish. Not only clean but convenient, time saving and reusable.

123-3	GKB Glass Knife Boats .....	pkg/100
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## GLASS KNIFE STATION

Freshly broken glass knives (6-7mm or 8mm thickness) can be stored dust-free in this container having a silicone rubber mat with conveniently shaped recesses for the knives. Recesses are numbered. Holds 16 knives.

8092	Glass Knife Station, for 6-7mm Thickness .....	each
8093	Glass Knife Station, for 8mm Thickness .....	each

## MICRO EYELASH

A carefully selected No. 1 Superfine Eyelash is attached to a fine wooden handle for delicate manipulation of ultra-thin sections in the knife boat of an ultramicrotome or wherever delicate teasing or manipulation is required. Excellent taper and strength.

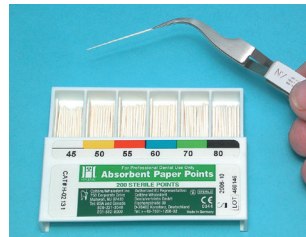
113	No. 1 Superfine Eyelash .....	each
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## CLEAR & BLACK NAIL POLISH

Can be used to seal troughs and boats, tape boats for sectioning with a clean, clear edge or securing eyelashes or fine hair to wooden sticks for section manipulation. Clear nail polish provides a universal sealant of coverslips to microscope slides for permanent storage. Black nail polish offers a nonreflective background for easy visibility, complete sealing and no interference in sectioning.

114-7	Clear Nail Polish .....	each
114-8	Black Nail Polish .....	each



## WICKING PAPER POINTS

Wicking Paper Points let you aim accurately at a drop or wet area on a specimen block face. No random fibers to obstruct or damage the specimen. The Paper Point can be grasped in a tweezer.

Sizes available (small to large): 15-40. Set 115-18 contains a total of 200 Paper Points divided among sizes 15, 20, 25, 30, 35, and 40.

115-18	Paper Points, Sizes 15-40 .....	pkg/200
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More sizes of Wicking Paper Points available at:

[www.tedpella.com/section\\_html/section1.htm](http://www.tedpella.com/section_html/section1.htm)



## MOUNTING CYLINDERS

Plastic cylinders for attaching pyramid-tips (from molds 10585 and 10586). 8mm diameter x 13mm length. Smooth ends for easy attachment. Lucite.

10580	Mounting Cylinders .....	pkg/100
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## PELCO® HP1 HEAT PEN

*A tool for the ultramicrotomy; area use the colored bar indicator to return to previous settings.*

The PELCO® HP1 Heat Pen is a useful tool for flattening thin sections cut by an ultramicrotome. Passing the heated filament over the sections, while still in the knife boat, will flatten them. Variable temperature setting for optimum effectiveness.

The PELCO® Heat Pen has a nichrome element that becomes incandescent during use. A red hot tip, like our Heat Pen has, gives off a large amount of radiant heat. This results in more efficient heating of the sample at a safer

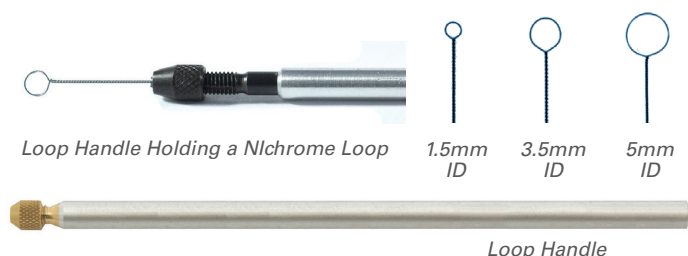


distance. A hot tip that is not glowing red as found in battery operated versions would have to be brought close enough to the sample to heat it by air convection/conduction. This would take longer and put the sample at risk. Some other advantages are: Variable element power (heat), quick response time of element temperature when setting is changed, the level of the heat is visually indicated by a 10 color LED bar and a lightweight easily manipulated heating element wand. User selectable voltage.

The above method replaces the solvent vapor method which is harmful to the operator and gives less reproducible results.

173-3	PELCO® HP1 Heat Pen, 115/220VAC, 40W, 50/60Hz .....	each
173-8	PELCO® Filament Replacement .....	each





## NICHROME WIRE & LOOPS

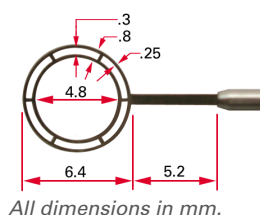
We offer nichrome wire from which loops may be made in the laboratory, or finished loops, ready to be inserted in your favorite handle. An assortment of wire loop diameters and loop handles are available.

13081	Loop w/ Handle Only, 15.2cm (6") L .....	each
13082	Nichrome Wire, 30 Gauge (0.010", 10 mil, 0.25mm) Diameter, 30.48 meters (100 ft.) .....	each
13085	Loop (1.5mm) and Handle.....	set
13086	Nichrome Loops, 1.5mm ID, 6.35cm Long .....	pkg/3
13087	Loop (3.5mm) and Handle.....	each
13088	Nichrome Loops, 3.5mm ID, 6.35cm Long .....	pkg/3
13089	Loop (5.0mm ID) and Handle .....	set
13090	Nichrome Loops, 5.0mm ID, 6.35cm Long .....	pkg/3



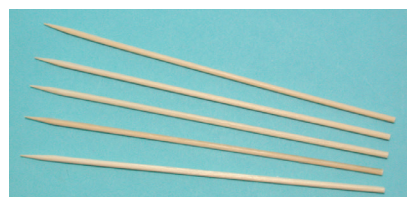
## PERFECT LOOPS FOR MICROSCOPY

Using the Perfect Loop, you can pick up and place your freshly cut, thick sections easily onto the grid mesh without creases. Thickness: 0.05mm.



All dimensions in mm.

13060	Perfect Loop, LM, Loop and Handle Set .....	each
13061	Perfect Loop, LM, Loop Only .....	each
13066	Perfect Loop, EM, Handle Only .....	each



## BAMBOO SPLINTS

A neat way to hold tissue for mincing or to move and sort samples. May also be used for cleaning apertures or as an applicator stick. Pointed on one end. Available in 15 and 20cm (6" and 8") lengths. Diameter is approximately 2.75mm (0.11"). Sold in packages of 100.

116	Bamboo Splints, 15cm (6") Long .....	pkg/100
118	Bamboo Splints, 20cm (8") Long .....	pkg/100



## DISPOSABLE PETRI DISHES

Round, plain sleeves of 20 two-part sets (base and lid). Polystyrene.

Outside dimensions: 100mm dia. x 15mm H; inside dimensions: 88mm dia. x 12mm H (with lid on).

14001	Disposable Petri Dishes, Round.....	pkg/20
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## QUADRANT PETRI DISHES & PAPER QUADRANTS

EM Storage; Polystyrene

The plastic petri dishes are divided into quadrants and are furnished with filter paper segments. They are used as containers for short time storage of grids between different steps of specimen preparation, as a receptacle for ready-to-use glass knives, for block storage and for small EM parts in general. Packaging is 100 dishes (2 part sets, base and lid) with 400 filter paper segments. Outside dimensions: 90mm dia. x 15mm H; inside dimensions: 88mm dia. x 12mm H (with lid on). Courtesy Robert Bils.

14011	Quadrant Petri Dishes w/ Filter Paper .....	pkg/100
14013	Filter Paper Segments .....	pkg/400



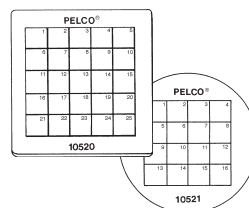
## PELCO® OPTICAL LENS TISSUE

Fully comparable to Ross Optical Lens Tissue.

PELCO® Optical Lens Tissue is a high quality optical lens tissue for lenses, optical instruments, electron microscopy and similar applications. PELCO®

Optical Lens Tissue is fully lab tested and is comparable to the Ross lens tissue paper in regards to structure, softness, properties and cleaning capabilities. It is a direct replacement for Ross lens tissue and fully compatible for all applications. The tissue is made of 100% new stock, free of minerals and vegetable filler. This lens tissue does not lint or scratch and will not disintegrate under vigorous manipulation and is acid-free with excellent wicking properties. Dimensions: 114 x 127mm.

806	PELCO® Optical Lens Tissue, Box of 100 Sheets.....	1 box
806-1	PELCO® Optical Lens Tissue, Booklets of 50 Sheets.....	pkg/6 booklets



## PELCO® GRID HOLDER PADS

Unique silicone rubber pads which act as effective resting points for EM grids, during processing. Bumping, jostling, jerky movements and carrying accidents can destroy or damage valuable grids with mounted sections. Grid Holder Pads minimize such

damage by the unique "clean" adherence of the grid to the silicone rubber surface.

**Square:** 25 numbered squares, 1-25. 70 x 70mm; fits square petri dish.

**Round 70mm:** 16 numbered squares, 1-16; fits standard round

continued next page...

# ELECTRON MICROSCOPY ESSENTIALS FROM TED PELLA, INC.

...continued from previous page

petri dish. 70mm dia.

**Round 80mm:** 16 numbered squares, 1-16; 80mm dia.; finger tab for easy removal; fits round petri dish 80mm dia.

10520	PELCO® 70mm Square Grid Holder Pad.....each
10521	PELCO® 70mm Round Grid Holder Pad .....each
10524	PELCO® 80mm Round Grid Holder Pad .....each
10524-1	PELCO® 80mm Round Grid Holder Pad w/ Petri Dish.....each

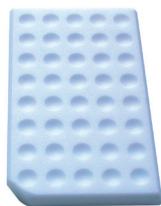


## MENCO GRID STAINING PAD, MADE FROM PTFE

The staining pad is 3.5" dia. (8.9cm) and fits inside a large glass Petri dish; when this dish is covered with parafilm, evaporation is limited.

*Reference: Menco B., Ph. M.: Lectins Bind Differentially to Cilia and Microvilli of Major and Minor Cell Populations in Olfactory and Nasal Respiratory Epithelia, Mic Res & Tech, 23: 181-199 (1992)*

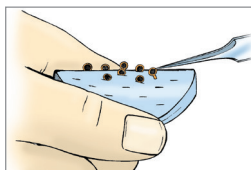
15026	Menco (Immuno) Staining Pad.....each
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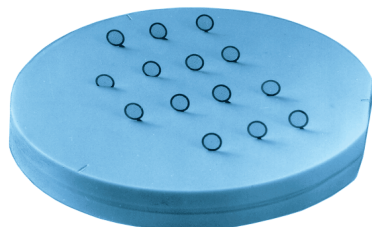
## PELCO® IMMUNOSTAINING PAD, MADE FROM PTFE

The pad was designed to save chemicals when processing small specimens. Can be used in the microwave processor, resists most chemicals and is easy to clean. Angle cut on one corner for orientation. 40 concave recesses, 4.5mm dia. x 1.5mm deep (0.18 x 0.06"). Overall size: 41.91 x 69.85 x 6.35mm thick.

15026-1	PELCO® Immunostaining Pad, PTFE.....each
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Placing Grids; Flexing Pad



Staining Pad w/Grids in Place

## CHIEN STAINING PAD

Ideal for staining grids in the microwave processor. The silicone pad is flexed and tabbed EM grids are inserted into the slits. When the pad is unflexed (laid flat) the grids stand vertically, allowing the surface tension of a droplet of stain to cover both sides of grid. Blue or white. Flexing this special composition mold will not result in grids falling out.

*Reference: Chien K, Van de Velde R, Heusser R: A simple procedure for obtaining clean sections for TEM. Proc 42nd Ann EMSA, ed. G.W. Bailey, pp 42-43, 1984*

10523	Chien Staining Pad, Blue.....each
10523-2	Chien Staining Pad, White .....each



## PYREX® BEAKERS

Pyrex® Glass Beakers are the standard for general laboratory use and can be used in ultrasonic cleaners. Pyrex® glass has excellent resistance to solvents and most acids. Not for use with heavy or sharp objects.

- Will work with ultrasonic cleaners; general laboratory use; chemically resistant; ml graduations; easy pour lip

17308	Pyrex Beaker, 100ml .....each
17329	Pyrex Beaker, 250ml .....each
17309	Pyrex Beaker, 400ml .....each
17327	Pyrex Beaker, 600ml .....each



## CLEAR AND BLACK CONICAL TUBES

These clear conical tubes are manufactured from high clarity polypropylene. Both 15 and 50ml tubes offer a large white label area for sample identification. The conical tubes are imprinted with dark graduated markings for accurate measurement. All caps are composed of blue polyethylene. The 15 and 50ml conical tubes are packaged sterile and are RNase, DNase and Pyrogen-free. These sterile conical tubes provide a versatile addition to any tissue culture, clinical, immunology or research laboratory. Also available in black.

12941	Conical Tube, 15ml, Sterile, Polypropylene, Clear.....pkg/50
12942	Conical Tube, 50ml, Sterile, Polypropylene, Clear.....pkg/5
12941-B	Conical Tube, 15ml, Sterile, Polypropylene, Black.....pkg/50
12942-B	Conical Tube, 50ml, Sterile, Polypropylene, Black.....pkg/5

## 1.5ML MICROCENTRIFUGE TUBES



Polypropylene, autoclavable, and microwave transparent. Feature a frosted label area for sample identification and volume graduations of 0.1, 0.5, 1.0 and 1.5ml.

20836	Microcentrifuge Tubes, 1.5ml, Clear, Polypropylene.....pkg/100
20838	Microcentrifuge Tubes, 1.5ml, Clear, Polypropylene.....pkg/500





## POLYPROPYLENE BEAKERS

Polypropylene Beakers are nearly unbreakable. They are resistant to cleaning solutions and are ideal for use in ultrasonic cleaners. Polypropylene Beakers are microwave safe for use in the PELCO BioWave® Pro+ Microwave Processor.

- Economical and sturdy; will work with ultrasonic cleaners; general laboratory use; microwave safe; ml graduations; easy pour lip

17312	Polypropylene Beaker, 100ml .....	pkg/10
17313	Polypropylene Beaker, 250ml .....	pkg/10
17314	Polypropylene Beaker, 600ml .....	pkg/5



## STAINLESS STEEL BEAKERS

Virtually unbreakable, these beakers can be used with heavy and sharp objects and offer excellent resistance to solvents, weak acids and cleaning solutions. Can be used in ultrasonic cleaners. Not graduated.

- Strong; will work with ultrasonic cleaners; general laboratory use; alternative to Pyrex®; easy pour lip

17338	Stainless Steel Beaker, 125ml .....	each
17339	Stainless Steel Beaker, 250ml .....	each
17328	Stainless Steel Beaker, 600ml .....	each

## PELCO® R2 ROTATOR



Shown in 35° Position

The slow rotational speed (1-7.5 RPM) of the PELCO® R2 lends itself to EM tissue processing techniques. Slow rotation is recommended for processing specimens and leads to more complete infiltration without air mixing, giving improved results for tissue preparations.

The PELCO® R2 has rubber cushioned feet on the bottom as well

as on the back so it may be placed on either of two angles, 35° from horizontal when placed on the "bottom feet" and 55° from horizontal when placed on the "back feet"

A high torque motor maintains constant speed at full load. Variable speed is easily set with a rotary control. Rotational speed is less than 1 to greater than 7.5 RPM. The PELCO® R2 has been tested under heavy load conditions to assure reliability.

1050	PELCO® R2 Rotator with 1051 Head, 100-240VAC, 45W, 50/60Hz .....	each
1051	R2 Rotator Head with 18 Holes (32mm ø) .....	each
1050-115-1	Replacement Motor, 115V and 220V .....	each



## WHEATON® SNAP-CAP® SPECIMEN VIALS

EM tissue handling and processing is conveniently done in the popular, Snap-Cap® biomedical vial. Polyethylene caps snap over a special sealing ring forming an effective barrier to moisture. EM infiltration and dehydration procedures are commonly carried out in these vials.

Clear borosilicate glass vial with "natural" colored polyethylene snap caps. Replacement caps can be purchased separately.

Collecting, storing and exhibiting a wide variety of specimens in the lab or field can also be done in this vial.

12701	Glass Snap-Cap® Vials, 4ml, 22mm D x 27mm H .....	case/144
12702	Glass Snap-Cap® Vials, 8ml, 22mm D x 39mm H .....	case/144
12703	Glass Snap-Cap® Vials, 12ml, 22mm D x 51mm H .....	case/144
12704	Glass Snap-Cap® Vials, 16ml, 30mm D x 40mm H .....	case/144
12706	Glass Snap-Cap® Vials, 24ml, 30mm D x 52mm H .....	case/144
12708-12	Glass Snap-Cap® Vials, 32ml, 30mm D x 63mm H .....	pkg/12
12710-22	Polyethylene Snap-Cap® Caps, Size 22mm .....	case/200
12710-30	Polyethylene Snap-Cap® Caps, Size 30mm .....	case/200



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