Staining Vessels

Wheaton Staining Dish

This staining dish will accommodate three different racks as shown in the picture above.

1. 16/32-Slide Rack, Glass, **Prod. No. 21056**
2. 30-Slide rack, Stainless Steel, **Prod. No. 21072**
3. 20/40-Slide Rack, Glass, **Prod. No. 21057**

These mix-and-match components offer greater flexibility in meeting your requirements.

Approximate inside dimensions of dish: 70 x 120 x 90mm (2.75 x 4.72 x 3.54")

All Wheaton dishes, covers and and glass racks are manufactured from soda-lime glass and resist stains from Eosin or Hemotoxylin. The dishes are not autoclavable and cannot be used in a microwave oven or MW processor. They should be used between 15°C - 80°C (59°F - 176°F).

21054 Dish and Cover, set . . . . . .each
21054-1 Dish only . . . . . .each
21054-2 Cover only . . . . . .each

16/32-Slide Rack, Glass

The Glass Rack holds 16 single slides, 31 slides arranged alternately straight across and diagonally, or 32 slides back-to-back.

21056 16/32-Glass Slide Rack, with handle . . . . . .each

30-Slide Rack, Stainless Steel

Slotted rack is designed to hold 30 slides 3 x 1" (75 x 25mm), 3 x 1-½" (75 x 38mm), and 3 x 2" (75 x 51mm). Made of non-tarnishable stainless steel and is resistant. The handle is permanently attached but hinged to permit closure of dish and easy insertion and removal of the slides.

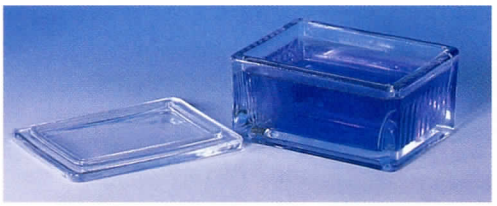
21072 30-Slide Stainless Steel Rack, with handle . . . .each

20/40-Slide Rack, Glass

Holds 20 single slides or 40 back to back of regular 3 x 1" (75 x 25mm) size, 3 x 1-½" (75 x 38mm) and 3 x 2" (75 x 51mm) sizes.

21057 20/40 Slide Glass Rack, with handle . . . . . .each

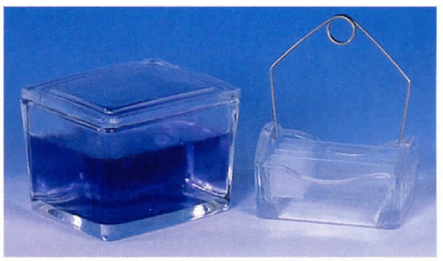
10/20-Slide Staining Dish with Cover



For staining 3 x 1" (75 x 25mm) slides. Holds 10 single slides, 19 slides arranged alternately straight across and diagonally, or 20 slides back-to-back. Made of "810" soda lime glass. Approximate inside dimensions: 77 x 60 x 30mm (3 x 2-⅜ x 1-3/16").

21066 Staining Dish with Cover, set . . . . . .each

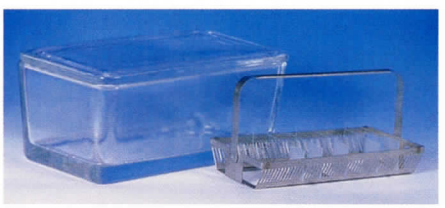
Staining Dish - 20-Slide Unit, Glass



This 20-slide unit is the standard for manual staining procedures. The glass slide rack has an open bottom for rapid immersing and draining of stain, eliminating any carryover. The rack holds 20 slides of size 3 x 1" (75 x 24mm), 3 x 1-½" (75 x 38mm), and 3 x 2" (75 x 51mm) sizes. Approximate inside dimensions: 70 x 105 x 85mm (2.75 x 4.13 x 3.35").

21043 Complete Set; dish, cover, rack, wire handle . . . . . .each
21044 Dish only . . . . . .each
21047 Cover only . . . . . .each
21075 Dish and Cover, set, (without handle) . . . .each
21075-2 Glass Slide Rack only (without handle) . . .each
21075-6 Wire Handle only . . . . . .each

Staining Dish 50-Slide Unit, with Cover



Slotted rack holds 50 slides, sizes 3 x 1" (75 x 25mm) as well as 3 x 1-½" (75 x 38mm). The unit measures approximately 200 x 83 x 105mm (7.87 x 3.27 x 4.13") overall. The rack is made of non-tarnishable stainless steel and is resistant to most staining solutions. The handle is permanently attached but hinged to permit closure of dish and easy insertion and removal of the slides. Made of "810" soda lime glass. Approximate inside dimensions: 70 x 185 x 90mm (2.75 x 4.72 x 3.54").

21058 Staining Dish Set (dish, rack and cover) . . . .each
21059 Staining Dish . . . . . .each
21068 Staining Dish and Cover . . . . . .each
21069 50-slide Stainless Steel Rack with handle . . . .each

Coplin Staining Jar with Glass Cover

A popular staining jar with heavy glass walls and broad base for increased stability. Holds 5 single 3 x 1" (75 x 25mm) slides vertically or 10 slides back-to-back. Requires small reagent volume. Made of "800" soda lime glass. Approximate inside dimensions: 75 x 30 x 30mm (3 x 1.18 x 1.18").

21067 Coplin Staining Jar with Glass Cover . . . . . .each

Tall Coplin Staining Jar with Plastic Screw Top

For staining slides or use as a developing chamber in thin layer chromatography. Unit holds 5 single 3 x 1" (75 x 25mm) slides vertically or 10 slides back-to-back. Screw cap is white linerless polypropylene which reduces solvent evaporation. Rectangular base. Made of "800" soda lime glass. Approximate inside dimensions: 70 x 30 x 30mm (2.75 x 1.18 x 1.18")

Tall style - slide completely contained

428-3 Tall Coplin Staining Jar with Cap . . . . . .each

5/10 Short Coplin Staining Jar with Plastic Screw Top

Holds 5 single 3 x 1" (75 x 25mm) slides or 10 back-to-back. Slides extend above the opening, permitting them to be manipulated without forceps. Screw cap is linerless, white polypropylene. The cap retains organic solvents and reduces evaporation. Rectangular base. Approximate inside dimensions: 65 x 30 x 30mm (2.6 x 1.18 x 1.18")

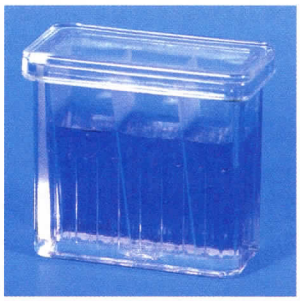
431-3 Short Coplin Staining Jar with Cap . . . . . .each

8/16 Vertical Staining Jar with Cover

The wide top makes this jar especially suitable for staining slides inscribed on one end. Holds 8 single 3 x 1" (75 x 25mm) slides vertically or 16 slides back-to-back. Made of "400" borosilicate glass. Approximate inside dimensions: 90 x 50 x 30mm (3.5 x 2 x 1.18")

432-1 Staining Jar with Cover . . .each

8/16 Hellendahl Type Staining Dish



For staining or use as a TLC developing chamber. Holds 8 individual 3 x 1" (75 x 25mm) slides. If necessary, 16 slides can be accommodated back-to-back. Made of soda lime glass. Approximate inside dimensions: 75 x 80 x 30mm (3 x 3.14 x 1.18")

21074 Hellendahl Staining Dish . . . . . .each

Plastic Slide Grip

Holds 5 each 3 x 1" (25 x 75mm) slides and fits Coplin Jars and round-mouthed staining jars. Molded plastic withstands chemicals used in staining including special stains and metals. Can be used in temperatures up to 80°C (176°F).

21048 Plastic Slide Grip . . . . . .each

Coplin Staining Jar with Tall Glass Cover

Chamber with extra tall lid accepts 5 single 3 x 1" (75 x 25mm) and 3.94 x 1" (100 x 25mm) slides. Made of "400" borosilicate glass. Meets USP Type 1 standards.

21073 Coplin Staining Jar with Tall Cover . . . . . .each

5/10 Polypropylene Staining Jar

Tapered, square with flat shallow threaded screw cap. Holds 5 single 3 x 1" (75 x 25mm) slides or 10 back-to-back. Loosen lid before autoclaving.

21038 Coplin Staining Jar with Tall Cover . . . . .each

5/10 Coplin Staining Jar

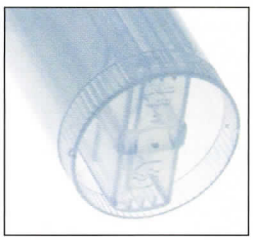
Polypropylene staining jar holds either 5 single or 10 back-to-back standard 3 x 1" (75 x 25mm) slides. The interior is grooved to hold the slides in an upright position. Domed and shallow thread cap provides protection to the slides. Loosen lid before autoclaving. Sold in package of 4.

21029 Coplin Staining Jar with Tall Cover pkg/4

LockMailer™ - Microscope Slide Jar

The LockMailer™ is a tamperproof multi-purpose compact container for storing, transporting, mailing or staining slides. It is made of clear polypropylene and will hold up to 4 slides 1 x 3" or 75 x 25mm vertically. The caps can be color coded. An important feature is the suitability for staining using minimal staining solutions.

without slides	.14ml
1 slide	.12ml
2 slides	.10ml
3 slides	.8ml
4 slides	.6ml



Bottom View/- double wall

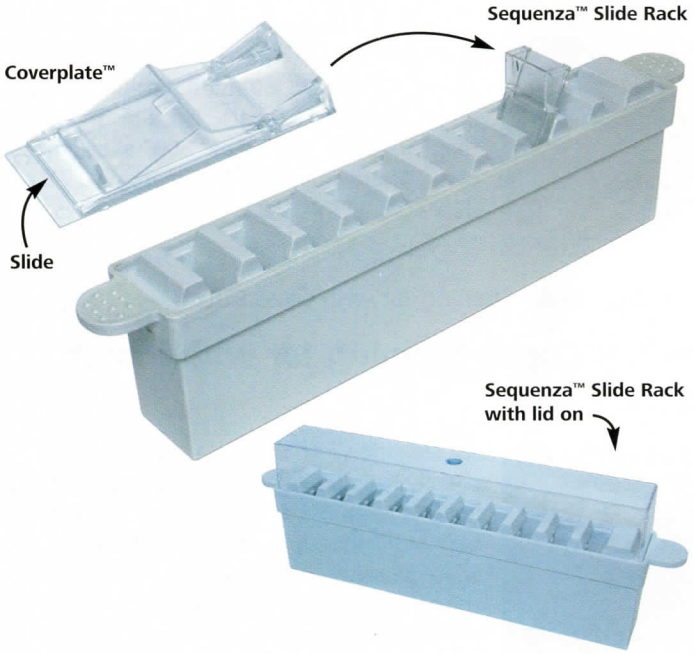
Screw on tamper-proof cap all the way.

When opening the vial, the tamper evident ring will detach itself from the cap

21096	LockMailer™ Microscope Slide Jar, without Capinserts™ pkg/100
21096-10	Capinserts™ for LockMailer™, Blue . . .pkg/100
21096-20	Capinserts™ for LockMailer™, Gray . . .pkg/100
21096-30	Capinserts™ for LockMailer™, Green . .pkg/100
21096-40	Capinserts™ for LockMailer™, Lilac . . .pkg/100
21096-50	Capinserts™ for LockMailer™,Orange .pkg/100

Immunostaining on Glass Slides

using the Sequenza™ Slide Rack and Coverplate™ system



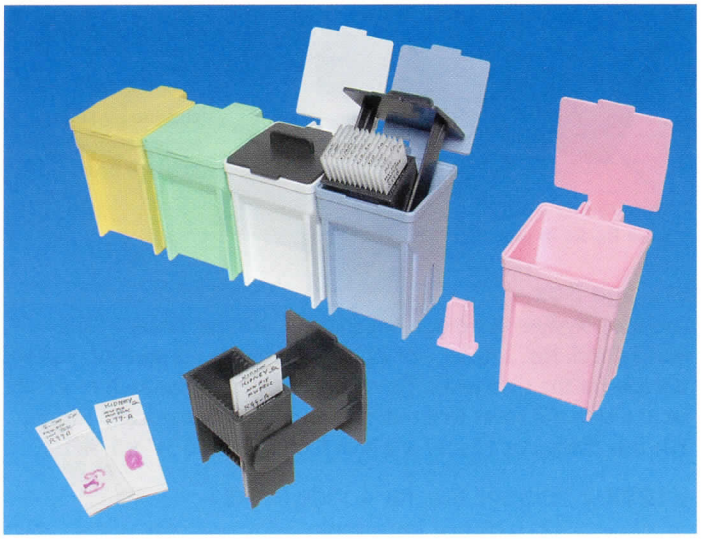
The Sequenza™ Slide Rack, holding 10 glass slides and Coverplates™, is a system designed for the immunolabeling of sections on glass slides. While originally designed for bench techniques, this system is uniquely suited for microwave-assisted applications. The Slide Rack holds glass slides covered with a Coverplate™. This combination forms a capillary gap between the slide and the plate. Reagent volumes, especially antibody, are greatly reduced using this versatile system. A reagent hopper forms the uppermost part of the plastic Coverplate™ allowing for easy dispensing of reagent into the capillary gap. Using a PELCO® Microwave Processor with a PELCO ColdSpot®, rapid immunostaining of sections on glass slides is reliable and easy.

36105 Sequenza™ Slide Rack . . . . . .each

36107 Coverplate™ Assemblies pkg/25

■ EasyDip™ Slide Staining System

made of acetyl polymer, autoclavable



- Available in 5 different colors
- Will resist temperatures between -170°C and +121°C (-274°F and +250°F)
- Uses just 80ml of reagent for 12 slides
- Use individually or link together as many as you need
- Resistant to chemicals and dyes

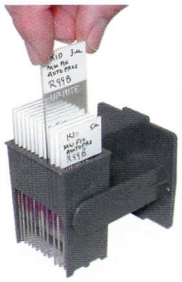
Finally a user-friendly approach for staining your microscope slides, the EasyDip™ Slide Staining System has two components: a square staining jar and a 12-position vertical slide rack. Jars can be loosely joined to each other laterally, therefore making sure they are kept in the same order when moved around on the lab counter. As an extra benefit, they are available in 5 different colors to help better identifying contents or applications.

The staining jar, being made of resistant acetal plastic, will not break like most glass jars do. It will resist attacks by most staining agents including alcohol and xylene but not phenol. The wide stable base offers greater stability while the inside is recessed, allowing for a smaller reagent volume of only 80ml for 12 slides. Easy to clean and no metals to corrode. Ideal for special stains, frozen sections and special processes. **Slide Staining Rack sold separately**.

Dimensions: 64mm x 76mm x 92mm H. (2-½" x 3" x 3-⅝" H.)

The **EasyDip™ Slide Staining Rack** will hold up to 12 microscope slides with dimensions such as 25 x 75mm, 3 x 1" and even 26 x 76mm and with a thickness of 1.0 and 1.2mm. The slides fit into individual slots for free passage and rapid drainage of staining fluids. Since they are placed vertically in the rack and not horizontally, their writing area will not be stained by the fluid, allowing their removal without the use of forceps. This staining rack is made of material specially formulated for rapidly drying slides in a microwave processor, or at temperatures up to 121°C (250°F). The lid completely covers the EasyDip™ Slide Staining Jar to minimize spill and evaporation. A handle is permanently attached to the rack for easy insertion and removal of slides without your fingers touching the solution. The base of the rack is placed in the vertical position to secure the slides in place, and is rotated sideways for allowing their easy removal. Available in dark gray only.

Dimensions: 60mm x 64mm x 97mm H. (2-¼" x 2-½" x 3-¾" H.)



Vertical rack eases slide removal without using forceps.

Slides are fully secured when lid is upright. Rotate it sideways to allow their easy removal.

A handle is permanently attached to the rack for easy insertion and removal.

Staining rack is placed at an angle to facilitate draining of slides.

Ordering Information EasyDip™ Slide Staining Jar		
27320	EasyDip™ Slide Staining Jar, ● Blue	.....each
27321	EasyDip™ Slide Staining Jar, ● Green	.....each
27322	EasyDip™ Slide Staining Jar, ● Pink	.....each
27323	EasyDip™ Slide Staining Jar, ○ White	.....each
27324	EasyDip™ Slide Staining Jar, ● Yellow	.....each

Ordering Information EasyDip™ Slide Staining Rack		
27325	EasyDip™ Slide Staining Rack	.....each

■ Polypropylene Staining Jar for 10 Slides

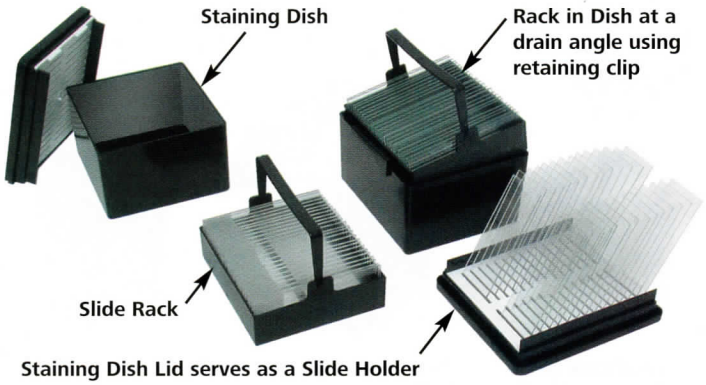
Accommodates 10 slides, 3 x 1" (75 x 25mm), one per slot. Rectangular top, snap-lock lid, reagent proof seal, internal grooves. Microwave Safe

21046 Polypropylene Staining Jar, Microwave Safe, with Vent in Lid .....each

21046-1 Polypropylene Staining Jar without Vent in Lid (bench staining jar) ....each

Slide Staining and Storage System

stain, file and store



Universal slide rack and container for autoradiography gel staining and staining techniques. Molded of black polyoxymethylene-poly-acetal plastic which has great advantages over glass in all cytological and histological laboratories.

Staining Dish

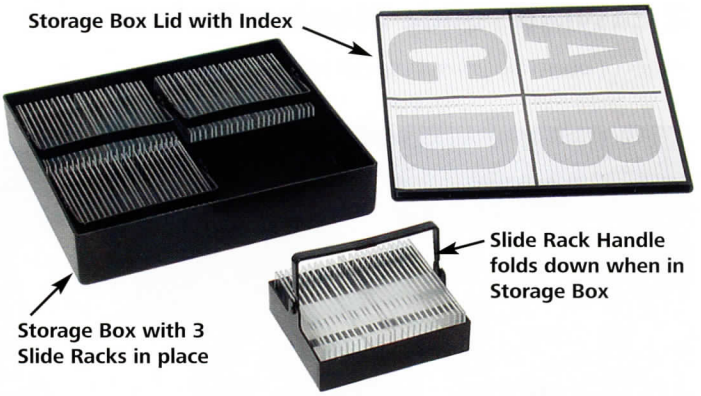
The Staining Dish has a light tight lid, essential to easily evaporated baths and a compartment for a drying agent. The dish accommodates one slide rack, Prod. No. 21078, not included. The perforated slide partition which supports the drying agent has index numbers and a writing surface. A removable clip is placed on the top edge of the dish, permitting the stain solution to drain back into the reservoir from the tilted rack. The actual capacity of the small dish is 250ml but only 150ml is needed, which provides a saving on staining liquids, developing fluids and intermediates. Made from black polyoxymethylene-poly-acetal plastic the dish is easy to clean and especially suited to store enzymes. The cover will not jam in freezer storage. Maximum use temperature is 85° C, (185° F). Dimensions: 94 x 81 x 49mm high (3.7" x 3.2" x 1.9").

21078-1 Staining Dish with Lid for Slide Rack No. 21078 . . . . . .each

Slide Rack

The Slide Rack has an open bottom for rapid draining. It holds 25 x 75mm (3 x 1") slides in slots numbered 1-25. The handle folds flat on either side. Four of these racks fit into the Slide Storage Box. Maximum temperature is 85°C (185°F).

21078 Slide Rack, holds 25 . . . . . .each

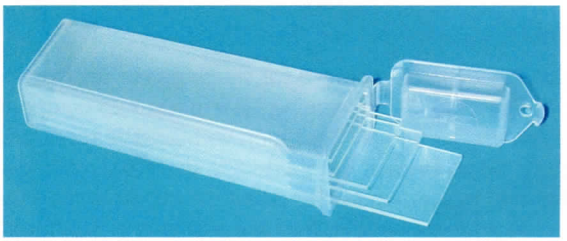


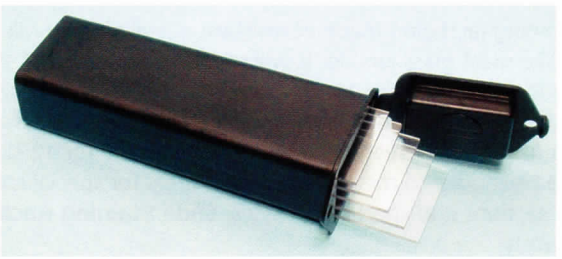
Storage Box

A black polystyrene storage box (not for staining) holds 4 Slide Racks (Prod. No. 21078), not included. Provides convenient, indexed storage for the slide racks. There is a paper index for each of the 4 racks inside the cover that marks each section numerically 1 to 25. The box measures 19 x 17 x 3.8cm high (7-½" x 6-⅝" x 1-½").

21078-2 Storage Box for 4 Slide Racks (21078 not included) . . . . . .each

Microscope Slide Staining Container/Mailer





Disposable staining container is also useful for shipping, storing and handling of slides. Available in transparent or black (for light sensitive specimens).

Polypropylene container holds 5 single 3 x 1" slides in place so they will not touch. Positive lock and flip-top.

22518 Microscope Slide Mailer, transparent pkg/100

22519 Microscope Slide Mailer, black pkg/100

Coverglass Staining Jar

Glass jar with ground glass cover, accommodates 8 each back-to-back size 18 x 18mm coverslips. 45mm high.

21036 Coverglass Staining Jar . . . . . .each

Columbia Staining Jar for Coverslips

This staining jar can hold up to 4 cover slips measuring 17-23mm wide, and up to 30mm long. Longer coverslips can be accommodated by removing the cap. The jar comes with a white polypropylene screw cap with a PTFE coated polyethylene liner. It is manufactured from Wheaton "800" glass and is resistant to most chemicals.

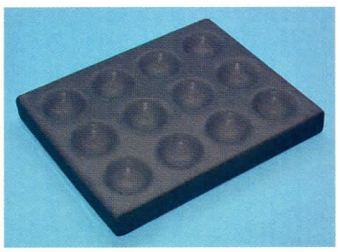
21040 Columbia Staining Jar for Coverslips . . . . . .each

Plastic Spot Dish

This economical white plastic Spot Dish is suitable for most applications where glass or porcelain plates are used. However, they are not recommended for strong solvents such as acetone or xylene. Made from white polystyrene, size 112 x 92mm with 12 wells of 22mm dia. and 6mm deep. Sold in package of 6.

14513 Spot Dish, white, polystyrene pkg/6

Porcelain Spot Dishes



EM staining, replica washing, color reactions can be done in this porcelain spot dish. White or black with 12 wells, 6.1mm deep. Plate size: 117 x 90mm.

14511 Porcelain Spot Dish, white . . . . . .each
14509 Porcelain Spot Dish, black . . . . . .each

PELCO® Immunostaining Pad made from PTFE

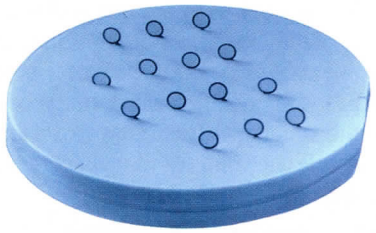
The pad was designed to save chemicals when processing small specimens. Can be used in the Microwave Processor, resists most chemicals and is easy to clean. Angle cut on one corner for orientation. 40 concave recesses, 4.5mm dia. x 1.5mm deep (.18 x .06").

The overall size of the pad is 41.91 x 69.85 x 6.35mm thick.

10526-1 PELCO® Immunostaining Pad, made from PTFE . . . . . .each

Chien Staining Pad

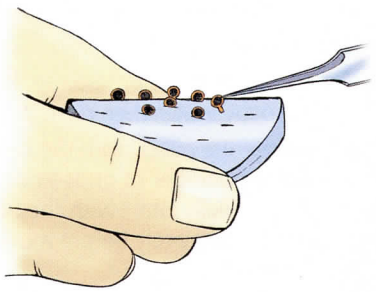
The Chien Staining Pad is also ideal for staining grids in the microwave processor. The silicone pad is flexed and tabbed, electron microscopy grids are inserted into the slits. When the pad is unflexed (laid flat) the grids stand vertically, allowing the surface tension of a droplet of stain to cover both sides of grid. Blue.



Chien Staining Pad with grids in place

drop of stain on grid

FLEXING THIS SPECIAL COMPOSITION MOLD WILL NOT RESULT IN GRIDS FALLING OUT.



Putting grids in place with tweezers while flexing pad

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

10523 Chien Staining Pad . . . . . .each

Mesa Staining Pad

Similar to Chien Staining pad, but slits are in mesa shaped platforms. Stains hold on top of mesas and are more stable if pad is moved. White.

10523-1 Mesa Staining Pad . . . . . .each

PELCO® Grid Staining System

Designed to handle up to 25 grids at one time, it has the following features:

- Greatly reduces the chance of mechanical damage
- Ensures equal staining and rinse times
- Has a simple alpha-numeric system for easy identification

The plastics used are not acid-resistant and the staining vessels are designed for aqueous solutions. Note: Do Not use alcohol-based stains; they will damage or destroy the staining vessels. One vessel could, for example, be used for uranyl acetate and the other one for lead citrate.

Volumes of stain required:

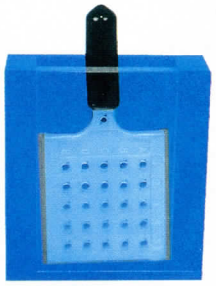
21 - 25 grids 11ml
16 - 20 grids 9ml
11 - 15 grids 7ml
06 - 10 grids 5ml
01 - 05 grids 3ml

How to use:

A. Clean each piece before use. Flush with hot soapy water then rinse thoroughly.

B. Remove the cover from the body and load the number of grids to be stained into the wells. Start with the bottom row and fill completely before moving to the next row.

C. Slide the cover over the body until the handle on the cover engages with the retaining pin on the handle of the body. You may need to gently lift the cover handle so that it will slide over the retaining pin and lock.



D. Place the Matrix into an empty staining vessel. Add the appropriate volume of stain for the number of grids to be processed by allowing the stain to flow down the inside of the vessel, using a pipet or similar tool. If air is trapped within a grid containing well it is easy to remove by moving the Matrix to the front of the staining vessel and then quickly to the back. This will pull the trapped bubbles out of the wells. Be careful not to spill reagents during this process.

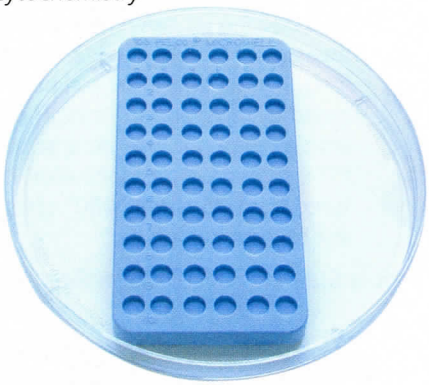
E. Rinsing of the grids can be done in a beaker or similar vessel (not provided).

Ordering Information:

22510 PELCO® Grid Staining System . . . . . .each
includes Matrix with Cover and 2 Staining Vessels (red & blue)
22510-1 Matrix Body with handle and cover . . . . .each
22510-2 Staining Vessel, 1 red and 1 blue . . . . . .each
22510-2B Staining Vessel, blue . . . . . .each
22510-2R Staining Vessel, red . . . . . .each

PELCO® Microwell Staining Mold

for immunocytochemistry



Excellent for immunocytochemistry as well as post staining. Small, save costly reagents. 4.8mm diameter x 1.8mm deep wells. The 60 wells are number and letter coded for better identification. Fits into a standard petri dish. Blue silicone rubber.

103 PELCO® Microwell Staining Mold . . . . . .each

Reference: Aoki A, 1982. Microwell cluster for processing electron microscope sections for immunocytochemistry. Biotechnic & Histochemistry, 67(2), 98.

Menco Staining Pad for Grids, made from PTFE

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

10526 Menco (Immuno) Staining Pad . . . . . .each

Reference: Menco B, 1992. 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.