

Microscope Slides

Microscope slides come in a variety of styles for various uses. Slides come plain, frosted, color coated, or pretreated with poly-L-lysine. Slides can be used for general lab work, gram stains, wet mounts, KOH preps, hematology, histology, fine needle aspirates, PAP smears, buccal smears, sputum smears, karyotypes, immuno-histochemistry, FISH, DNA *in-situ*, diastase enzyme digestion, fluorescence microscopy, confocal microscopy, phase imaging, and polarization techniques.

■ Corning® Glass Microscope Slides

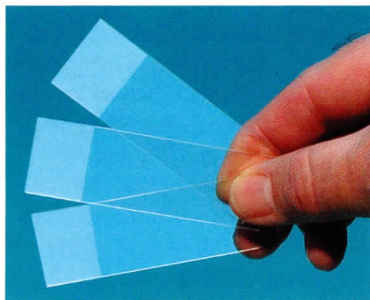


Finest quality non-corrosive glass, with finely ground edge. Precleaned and packed vertically, 72 slides per box, 2 boxes per package.

Plain (75 x 50mm), thickness: 0.96 to 1.06mm (0.038" x 0.042")

26005 Corning® Glass Slides 75 x 50mmpkg/144

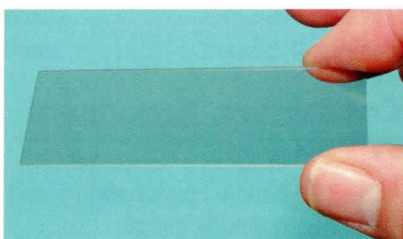
■ Corning® Frosted End, One Side, 3 x 1"



Packed 72 slides per box. 3 x 1" (76.2 x 25.4mm), Frosted End thickness: .038 to .042" (0.96 to 1.06mm)

26003 Corning® Glass Slides, 3 x 1" frosted end . .pkg/72

■ Plain Glass Microscope Slides



Clear, premium quality, water white glass, precleaned, ready to use. Choice of 2 sizes. 0.97 to 1.07mm thick.

26007 Glass Microscope Slide, plain 3 x 1"pkg/144

26008 Glass Microscope Slide, plain 75 x 25mmpkg/144

■ Economy Slides



Made from clear soda lime corrosion resistant glass. Precleaned slides with a size of 3" x 1" and a .039 -.047" thickness (76.2 x 25.4mm and a 1-1.2mm thickness). Ground edges. No notable interference from UV absorption or reflection in the 250-350nm range (tested with 280nm). Available as plain or single frosted slides with beveled edges and single frosted with fine ground edges, 144 slides per package.

260440 Single Frosted Economy Microscope Slides, 3 x 1"pkg/144

260441 Plain Economy Glass Microscope Slides, Beveled Edges, 3 x 1"pkg/144

260442 Single Frosted Economy Glass Microscope Slides, Beveled Edges, 3 x 1"pkg/144

GOLD SEAL® Micro Slides



For over 50 years the GOLD SEAL® line of Microscope slides has been the industry standard for quality and reliability. These products undergo the most stringent manufacturing and inspection procedures achievable in the industry, ensuring our customers the highest, and most consistent quality available. To pre-

serve this quality from manufacture to ultimate use, all GOLD SEAL® slides are hermetically sealed in the Moisture-Barrier™ system providing a dry-slide environment during shipment and storage. This desiccated air-tight package eliminates moisture exposure that can degrade the slide surface, causing poor wettability and causing haziness found in other microscope slide products. All Gold Seal® cover glass is made from pre-selected, precleaned silicate glass. It is available in various shapes and thicknesses and is packaged with desiccants in lint-free boxes. All slide boxes convert to convenient slide storage files. ①

■ GOLD SEAL® Micro Slides, PLAIN

260200 GOLD SEAL® Micro Slides 3 x 1", 1mm thickpkg/144

260201 GOLD SEAL® Micro Slides 3 x 1", 1mm thick, Cytogenetics Processingpkg/144

260202 GOLD SEAL® Micro Slides 75 x 25mm, 1mm thickpkg/144

260203 GOLD SEAL® Micro Slides 3 x 1", 1.2mm thickpkg/144

260204 GOLD SEAL® Micro Slides 75 x 25mm, 1.2mm thickpkg/144

① = Tech Note on web page

continued on next page

GOLD SEAL® Micro Slides *continued*

■ GOLD SEAL® Rite-On™ Frosted Slides

260210	3 x 1", 1mm thick, frosted one end, one side with brilliant white epoxy inkpkg/144
260211	75 x 25mm, 1mm thick, frosted one end, one side with brilliant white epoxy ink .pkg/144
260213	3 x 1", 1.2mm thick, frosted one end, one side, with brilliant white epoxy inkpkg/144
260214	3 x 1", 1mm thick, frosted one end, both sidespkg/144
260215	3 x 1", 1.2mm thick, frosted one end, both sidespkg/144
260216	3 x 1", 1mm thick, "Beveled Edge", frosted one end, both sidespkg/144
260217	75 x 25mm, 1mm thick, "Beveled Edge", one end frosted, both sidespkg/144

■ GOLD SEAL® UltraFrost™ Frosted

260218	75 x 25mm, 1mm thick, one end twin frosted w/white epoxy ink; standard frost on reverse sidepkg/144
260219	75 x 25mm, 1mm thick, white epoxy ink frosted one end, one side; GOLD SEAL® logo printed keypkg/144
260220	75 x 25mm, 1mm thick, white epoxy ink frosted one end, one side; with preprinted patient information labeling and GOLD SEAL® logo printed keypkg/144

GOLD SEAL® Products are of the highest quality.

Your quality slides require care. Protect them from conditions described below.



WATER DROPLETS



GAS

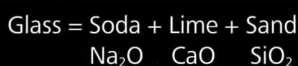
diagram A

can interfere with viewing specimen samples, cause glass slides to stick together and may alter cell structures (see diagram A).

Glass is inert to almost everything except hydrofluoric acid and caustic alkaline solution. This is why it makes an ideal material for microscope slides.

All microscope slides are manufactured from the soda lime formula (see formula).

The atmosphere that encircles the earth has many components, two of these are moisture (water droplets) and carbon dioxide (a gas). They become destructive when in contact with glass,

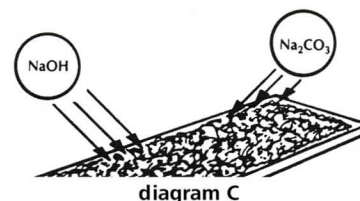


formula

When microscope slides come into contact with the atmosphere, water molecules split and hydrogen attacks the glass surface and frees Na. Sodium (Na) combines with carbon dioxide (CO_2) to form sodium carbonate (Na_2CO_3), and sodium also combines with hydroxal ions to form sodium hydroxide (NaOH).

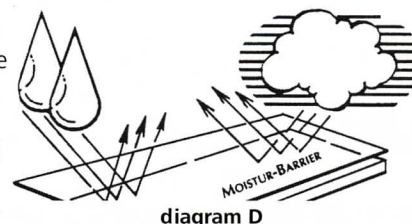
In the early stages of deterioration, caustic sodium hydroxide and sodium carbonates are being formed. The sodium carbonates and water appear on the glass surface as white spots and white film, interfering with specimen viewing.

In the advanced stages the sodium hydroxide begins to dissolve the glass (see diagram C). By this time the carbonates have accumulated to the point where the entire surface of the glass slide is heavily coated with a white film. The pH can rise to a level as high as 12, destroying cells.



Normal packaging, even cellophane wrapped or those that are packed in plastic boxes, does not afford total protection. They are porous to moisture and air and do not provide a means to remove moisture from the package.

Moistur-Barrier® seals all moisture out and absorbs all moisture trapped inside (see diagram D). Moistur Barrier® is made up of a plastic foilsealed liner and enclosed desiccant. This patented protective package keeps GOLD SEAL®



Microscope Slides factory fresh through shipping and storage in all kinds of weather until you cut open the seal in your laboratory.

Courtesy of Thermo Fisher Scientific

■ GOLD SEAL® UltraStick™ Microslides

GOLD SEAL® UltraStick™ Microscope slides offer:

- Superior adhesion of histological and cytological specimens
- Unsurpassed adhesion quality
- Valuable laboratory time saving, being pre-coated
- Ultrafrost writing area for clear and accurate labeling
- Moistur-Barrier™ packaging system for dry slides

UltraStick™ Microslides are ideal for histological and cytological applications demanding superior specimen-to-slide adhesion. The enhanced silane coating, APTES (3-Amino-PropylTriEthoxySilane), eliminates tedious lab coating procedures and special additives to your water bath. Simply open the Moistur-Barrier® sealed case and you are guaranteed that fresh slides are ready for use.

Procedures such as immunoperoxide, *in situ* DNA hybridization, enzyme digestion and frozen tissue processing will benefit from the enhanced adhesion characteristics of this product. An additional advantage is the clear and accurate labeling on the Ultrafrost™ writing area.

260224	75 x 25mm, 1mm thick, surface coated for adhesion, frosted one end, one side . . .pkg/144
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■ Cytology Slides

- 260221** 3 x 1", 1mm thick, completely frosted
on one side, by sandblastpkg/144
- 260222** 3 x 1", 1.2mm thick, completely frosted
on one side, by sandblastpkg/144

■ Fluorescent Antibody Slides

- 260223** 3 x 1", 1.2mm thick, with two 10mm circles,
frosted one end, one side, with white
epoxy ink, including circlespkg/144

■ Colorfrost™ Disposable Microscope Slides

Features superior chemical resistance, easy marking and convenient identification mark, "SPECIMEN", for easy orientation. Precleaned slides are made of top-quality, clear, corrosion-resistant glass with flat surfaces and smooth rounded edges. Packed 72 per dispenser, 2 dispensers per package for a total of 144.
2.95 x .98" (75 x 25mm) thickness: .039" (1mm)



- 260106** Colorfrost™ Microscope Slides, 3 x 1"
● Bluepkg/144
- 260108** Colorfrost™ Microscope Slides, 3 x 1"
● Greenpkg/144
- 260110** Colorfrost™ Microscope Slides, 3 x 1"
● Pinkpkg/144
- 260112** Colorfrost™ Microscope Slides, 3 x 1"
● Yellowpkg/144

■ Superfrost™ Plus Microscope Slides



Features the same outstanding performance as Colorfrost™ Disposable slides, except with a special treatment process that electrostatically adheres tissue sections and cells to the glass without the need for special adhesives or protein coatings - an ideal choice for frozen sections and cytocentrifuge preparations and standard papanicolaou smears. Plus, the special treatment virtually eliminates tissue loss during staining and saves hours of slide preparation. White or colored area can easily be marked to identify slides throughout the procedure. Size 2.95 x .98" (75 x 25mm).

- 260100** Superfrost™ Plus Microscope Slides, 75 x 25mm
○ Whitepkg/144
- 260101** Superfrost™ Plus Microscope Slides, 75 x 25mm
● Bluepkg/144
- 260102** Superfrost™ Plus Microscope Slides, 75 x 25mm
● Greenpkg/144
- 260103** Superfrost™ Plus Microscope Slides, 75 x 25mm
● Pinkpkg/144
- 260104** Superfrost™ Plus Microscope Slides, 75 x 25mm
● Yellowpkg/144



■ Unifrost™ Microscope Slides

Provided with frosted one end, one side, uncoated and coated. Also available with clipped corners and ground edges for use with slide labelers.
Size: 75 x 25 x 1mm
(2.95" x .98" x .039")

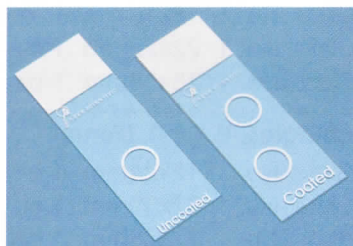
Unifrost™ Microscope Slides, one frosted end 75 x 25 x 1mm

Prod. No.	Description - End Color	Coated +	Qty
260409	Unifrost™ -White ○		144
260410	Unifrost™ -White ○	+	144
260411	Unifrost™ -Blue ●		144
260412	Unifrost™ -Blue ●	+	144
260413	Unifrost™ -Green ●		144
260414	Unifrost™ -Green ●	+	144
260415	Unifrost™ -Pink ●		144
260418	Unifrost™ -Pink ●	+	144
260420	Unifrost™ -Yellow ●		144
260424	Unifrost™ -Yellow ●	+	144

Unifrost™ Microscope Slides, one frosted end clipped corners, ground edges for use in slide labelers 75 x 25 x 1mm

260425	Unifrost™ Clipped -White ○		144
260426	Unifrost™ Clipped -White ○	+	144
260427	Unifrost™ Clipped -Blue ●		144
260428	Unifrost™ Clipped -Blue ●	+	144
260429	Unifrost™ Clipped -Green ●		144
260430	Unifrost™ Clipped -Green ●	+	144
260431	Unifrost™ Clipped -Pink ●		144
260432	Unifrost™ Clipped -Pink ●	+	144
260433	Unifrost™ Clipped -Yellow ●		144
260434	Unifrost™ Clipped -Yellow ●	+	144

■ Cytology Spin Slides



Available in single or double well, uncoated or positively charged.

Size: 75 x 25 x 1mm
(2.95" x .98" x .039")

- 260444** Cytology Spin Slides, Single Well, Uncoatedpkg/144
- 260445** Cytology Spin Slides, Double Well, Uncoatedpkg/144
- 260446** Cytology Spin Slides, Single Well, Positively Chargedpkg/144
- 260447** Cytology Spin Slides, Double Well, Positively Chargedpkg/144

■ Treated Plastic Microscope Slides 75 x 25 x 1.1mm



These versatile, low-cost microscope slides can be used wherever glass slides are used, including sample preparation in the field. They are safer than glass slides because they are more impact re-

sistant than ordinary glass slides. Plastic slides do not leave any sharp edges when broken. Two versions of plastic microscope slides are offered. One is made of general purpose "crystal" polystyrene and the other is made of UTV (UV Transmittable) acrylic. Their transparency and optical quality are identical to viewing through a flat-bottom microplate well. The surfaces are tissue culture treated and gamma sterilized and can therefore be used with the following applications:

- Cell and tissue culture studies.
- Immunofluorescence and immunostaining for cytology, histology, parasitology, bacteriology and virology, etc.
- Immobilization of DNA, nucleic acids, antibodies, proteins and other small molecules.
- Protein printing and microarrays.
- Hybridization studies.

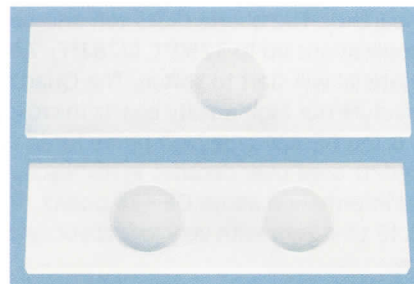
These slides are produced under rigorous quality control conditions for clean and uniform surfaces with low background readings. They have enhanced protein binding characteristics. They are RNase and DNase-free.

The slides are not resistant to the following chemicals: Ethanol, methanol, phenol, organic acids (e.g.: acetic acid), gasoline, aromatic solvents (e.g.: benzene, toluene, xylene and turpentine),

chlorinated hydrocarbons (e.g.: methylene chloride and tetrachloromethane), ketones and others.

- 260225** Plastic Microscope Slides, treated, polystyrene (75 x 25 x 1.1mm)pkg/25
- 260226** Plastic Microscope Slides, treated, UVT acrylic (75 x 25 x 1.1mm)pkg/25

■ Concavity Slides with Single and Double Wells



Microscopy slides with single or double precisely ground and polished spherical depressions or cavities. Also known as depression or well slides. The concave wells are particularly useful for holding liquid samples. Also useful for tissue cultures. Slide dimensions are 26 x 76mm with a nominal thickness of 1.1mm (varies between 1 - 1.2mm). Well size is 15mm diameter and 0.5 - 0.55mm deep. Packed in a box of 50 slides. Each slide separated by optical lens paper.

- 260241** Concavity Slide with Single Wellpkg/50
- 260242** Concavity Slide with Double Wellspkg/50

■ Slides for Large Tissues



These slides are 1.2mm thick and are sold in packages of 36. Not available with frosted ends.

- 260230** Glass Slides, 3" x 4" (76 x 102mm)pkg/36
- 260231** Glass Slides, 3-1/4" x 4" (83 x 102mm)pkg/36
- 260232** Glass Slides, 4" x 5" (102 x 127mm)pkg/36
- 260233** Glass Slides, 4-1/2" x 6" (114 x 152mm)pkg/36
- 260234** Glass Slides, 5" x 7" (127 x 178mm)pkg/36

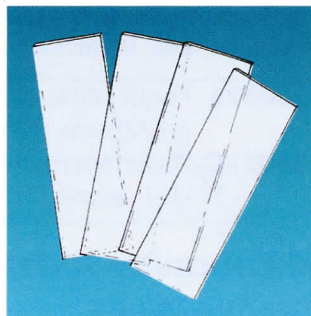
SLIDES, COVERSLIPS, SLIDE STORAGE

Quartz Slides and Coverslips; Glass Coverslips; Cover Glass

■ Quartz Microscope Slides and Coverslips

Quartz microscope slides and cover slips are a necessity for microscopy applications where UV transparency is needed. They can also be used for high end microscopy applications to reduce signal loss due to absorption.

Other applications can involve UV radiation transparency. The quartz slides can also be used for high temperature applications up to 1250°C (2282°F). Above this temperature the material will start to soften. The Quartz material used to manufacture our high quality quartz microscope slides and coverslips is the GE 124 type high purity fused quartz, a well documented quartz used over decades in microscopy applications. Technical information about GE 124 quartz. Transparency is provided for 0.19 to 4.2µm with very low absorbance in the 0.26 to 2.6µm range.



Quartz Microscope Slides (see quartz coverslips below)

- 26011** Quartz Slide, 3" x 1" (76.2mm x 25.4mm),
1mm thickeach
- 26012** Quartz Slide, 2" x 1" (50.8mm x 25.4mm),
1mm thickeach
- 26013** Quartz Slide, 1" x 1" (25.4mm x 25.4mm),
1mm thickeach

Cover Glass and Coverslips

■ Quartz Coverslips

Coverslips are available in the standard 1mm thickness and sizes of 3x1", 2x1" and 1x1". Cover slips are available in several thicknesses, although for most microscopy applications the 0.25mm thickness is adequate.

- 26016** Quartz Coverslip, 19 x 19 x 0.5mm thick ...each
- 26017** Quartz Coverslip, 19 x 19 x 0.25mm thick ...each
- 26014** Quartz Coverslip, 22 x 22 x 0.25mm thick ...each
- 26018** Quartz Coverslip,
25.4mm diameter x 0.25mm thickeach
- 26019** Quartz Coverslip, 18mm dia. x 0.25mm thick .each

■ GOLD SEAL® Cover Glass

All GOLD SEAL® glass Coverslips are made from pre-selected, pre-cleaned silicate glass. It is available in various shapes and thicknesses and is packaged with desiccants in lint-free boxes. Corning 0211 Glass Coverslips ⓘ

Thickness #0, Standard Squares, 0.08-0.13mm

260300 GOLD SEAL® Cover Glass, No. 0, 22x22mm 1 oz

Thickness #0, Standard Rectangles, 0.08-0.13mm

260320 GOLD SEAL® Cover Glass, No. 0, 24x60mm 1 oz

Thickness #1, Standard Squares, 0.13-0.16mm

260340 GOLD SEAL® Cover Glass, No. 1, 18x18mm .1 oz

260341 GOLD SEAL® Cover Glass, No. 1, 22x22mm .1 oz

260342 GOLD SEAL® Cover Glass, No. 1, 25x25mm .1 oz

Thickness #1, Standard Rectangles, 0.13-0.16mm

260350 GOLD SEAL® Cover Glass, No. 1, 12x24mm 1 oz

260351 GOLD SEAL® Cover Glass, No. 1, 22x30mm 1 oz

260352 GOLD SEAL® Cover Glass, No. 1, 22x35mm 1 oz

260353 GOLD SEAL® Cover Glass, No. 1, 22x40mm 1 oz

260354 GOLD SEAL® Cover Glass, No. 1, 22x50mm 1 oz

260355 GOLD SEAL® Cover Glass, No. 1, 22x60mm 1 oz

260356 GOLD SEAL® Cover Glass, No. 1, 24x30mm 1 oz

260357 GOLD SEAL® Cover Glass, No. 1, 24x35mm 1 oz

260358 GOLD SEAL® Cover Glass, No. 1, 24x40mm 1 oz

260359 GOLD SEAL® Cover Glass, No. 1, 24x50mm 1 oz

260360 GOLD SEAL® Cover Glass, No. 1, 24x60mm 1 oz

260361 GOLD SEAL® Cover Glass, No. 1, 35x50mm 1 oz

260362 GOLD SEAL® Cover Glass, No. 1, 35x60mm 1 oz

260363 GOLD SEAL® Cover Glass, No. 1, 43x50mm 1 oz

260364 GOLD SEAL® Cover Glass, No. 1, 48x60mm 1 oz

260365 GOLD SEAL® Cover Glass, No. 1, 48x65mm 1 oz

Thickness 1.5, Standard Circles, 0.13-0.16mm

260373 GOLD SEAL® Cover Glass, No. 1, 13mm dia. 1 oz

260374 GOLD SEAL® Cover Glass, No. 1, 16mm dia. 1 oz

260370 GOLD SEAL® Cover Glass, No. 1, 19mm dia. 1 oz

260371 GOLD SEAL® Cover Glass, No. 1, 22mm dia. 1 oz

260372 GOLD SEAL® Cover Glass, No. 1, 25mm dia. 1 oz

Thickness #1.5, Standard Squares, 0.16-0.19mm

260405 GOLD SEAL® Cover Glass, No. 1.5,
18x18mm1 oz

260406 GOLD SEAL® Cover Glass, No. 1.5,
22x22mm1 oz

260400 GOLD SEAL® Cover Glass, No. 1.5,
22x22mm (Blood Smear)1 oz

Thickness #1.5, Standard Rectangles, 0.16-0.19mm

260416 GOLD SEAL® Cover Glass, No. 1.5,
22x40mm1 oz

260417 GOLD SEAL® Cover Glass, No. 1.5,
22x50mm1 oz

260419 GOLD SEAL® Cover Glass, No. 1.5,
24x30mm1 oz

260421 GOLD SEAL® Cover Glass, No. 1.5,
24x40mm1 oz

260422 GOLD SEAL® Cover Glass, No. 1.5,
24x50mm1 oz

260423 GOLD SEAL® Cover Glass, No. 1.5,
24x60mm1 oz

Thickness #2, Standard Squares, 0.17-0.25mm

260435 GOLD SEAL® Cover Glass, No. 2, 22x22mm 1 oz

ⓘ = Tech Note on web page

Round Glass Coverslips



Thickness No.1, 0.13 to 0.17mm. ⓘ

26020	Coverslips, No.1, 12mm diameter.	1 oz.
26023	Coverslips, No.1, 12mm diameter	¼ oz.
26021	Coverslips, No.1, 15mm diameter	1 oz.
26024	Coverslips, No.1, 15mm diameter	¼ oz.
26022	Coverslips, No.1, 18mm diameter	1 oz.

Micro Glass Coverslips

Individually Selected - Superior quality

Cleaned, cut, sorted and made of especially processed borosilicate glass Type 0211. ⓘ

260156	Micro Cover Glass, No. 0, 22 x 22mm	1 oz
260158	Micro Cover Glass, No. 0, 22 x 30mm	1 oz
260160	Micro Cover Glass, No. 0, 22 x 40mm	1 oz
260162	Micro Cover Glass, No. 0, 22 x 50mm	1 oz
260140	Micro Cover Glass, No. 1, 22 x 22mm	1 oz
260142	Micro Cover Glass, No. 1, 22 x 30mm	1 oz
260144	Micro Cover Glass, No. 1, 22 x 40mm	1 oz
260146	Micro Cover Glass, No. 1, 22 x 50mm	1 oz
260148	Micro Cover Glass, No. 1.5, 22 x 22mm . . .	1 oz
260150	Micro Cover Glass, No. 1.5, 22 x 30mm . . .	1 oz
260152	Micro Cover Glass, No. 1.5, 22 x 24mm . . .	1 oz
260154	Micro Cover Glass, No. 1.5, 22 x 50mm . . .	1 oz

Superslip® Micro Cover Glass

for use in automatic coverslippers

Cleaned, cut, sorted and made of especially processed borosilicate glass Type 0211. ⓘ

260164	Micro Cover Glass, No. 1, 24 x 40mm	1 oz
260166	Micro Cover Glass, No. 1, 24 x 50mm	1 oz
260168	Micro Cover Glass, No. 1, 24 x 60mm	1 oz

Thermanox™ Coverslips

Thermanox™ or TMX coverslips are made of a polymer, in the polyolefin family, that is highly resistant to most chemicals. They are resistant to alcohols, aldehydes, hydrocarbons, dilute acids (<10%) and dilute alkalis (<2%). Thermanox™ has limited resistance to chlorinated hydrocarbons and it is not resistant to concentrated acids or bases. It is a flexible transparent polymer that can be easily sectioned by using a microtome and is able to withstand low and high temperatures -70 to +150°C (-94° to +302°F).

Thermanox™ Coverslips are culture treated on one side for enhanced cell attachment and growth.

Thermanox™ coverslips are packed sterile, the treated side is packaged face up toward the label. Cells grown on these coverslips can be embedded while remaining on the coverslip in a plastic resin without removal for sectioning.

The Thermanox™ coverslips autofluoresce in the range 380 - 545nm. They autofluoresce at the Rhodamine and FITC range: Fluorescein isothiocyanate, excitation 494nm; emission 517nm.

Thermanox™ coverslips can be autoclaved at 20 minutes steam, 20 minutes dry, at 120°C (248°F). ⓘ

They are 0.2mm thick (NO. 2).

ⓘ = Tech Note on web page

26025	Thermanox™, No. 2, 10.5 x 22mm	1 oz
26026	Thermanox™, No. 2, 22 x 60mm	1 oz
26027	Thermanox™, No. 2, 24 x 30mm	1 oz
26028	Thermanox™, No. 2, 13mm diameter	1 oz
26029	Thermanox™, No. 2, 15mm diameter	1 oz
26030	Thermanox™, No. 2, 22mm diameter	1 oz
26031	Thermanox™, No. 2, 25mm diameter	1 oz

Approximate PIECES per OUNCE for Standard Size Micro Cover Glasses

Size (mm)	Thickness			
	#0 (.08-.13mm)	#1 (.13-.17mm)	#1.5 (.16-.19mm)	#2 (.17-.25mm)
12 x 24	345	256	226	184
18 x 18	320	233	202	165
22 x 22	208	156	138	116
22 x 30	156	116	102	86
22 x 35	135	100	87	72
22 x 40	116	87	76	64
22 x 50	94	70	61	52
22 x 60	78	58	51	43
24 x 30	144	108	94	78
24 x 35	126	94	82	68
24 x 40	108	80	70	59
24 x 50	90	67	58	49
24 x 60	72	54	47	39
25 x 25	166	124	108	89
35 x 50	-	41	-	-
35 x 60	-	37	-	-
43 x 50	-	35	-	-
48 x 60	-	26	-	-
48 x 65	-	24	-	-
12 dia.	932	692	597	502
13 dia.	776	575	500	425
15 dia.	602	443	383	321
16 dia.	510	376	330	280
18 dia.	415	308	266	223
19 dia.	372	276	238	200
22 dia	276	206	178	150
25 dia	215	159	137	116

Note: Not all sizes listed are available

SLIDES, COVERSLIPS, SLIDE STORAGE

Plastic Coverslips; Slide Labels; Balsam Bottle; Immunostain Moisture Chamber; Slide Box

■ Plastic Coverslips



Virtually unbreakable, 0.18mm thin rigid vinyl (PVC and acetate copolymer). Refraction index 1.5 μ .

Each cover slip interleaved with tissue. 22 x 22mm. Package of 100 or 1,000.

2225-1 Plastic Cover Slips, 22 x 22 x 0.18mm . . .pkg/100

2225 Plastic Cover Slips, 22 x 22 x 0.18mm . .pkg/1000

■ Microscope Slide Labels



The microscope slide labels fit directly on the microscope slide - a neat and professional way to label slides. The writing on the label is more permanent than provided by most slide markers. These Slide Labels are available thin or in pathology (tissue high) thickness. Permanent adhesive holds labels in place during use and long term storage. Square corners. Sheet size is 5- $\frac{1}{4}$ x 7- $\frac{1}{2}$ (149 x 191mm).

Sheet Form - Microscope Slide Labels

26040-10 $1\frac{5}{16}$ " x $1\frac{5}{16}$ ", Standard;
(25 sheets of 40 labels)pkg/1000

26040-12 $1\frac{5}{16}$ " x $1\frac{5}{16}$ ", Pathology;
(25 sheets of 40 labels)pkg/1000

26040-14 $1\frac{5}{32}$ " x $1\frac{5}{16}$ ", Standard;
(25 sheets of 80 labels)pkg/2000

26040-16 $1\frac{5}{32}$ " x $1\frac{5}{16}$ ", Pathology;
(25 sheets of 80 labels)pkg/2000

Roll Form - Microscope Slide Labels

26040-18 $1\frac{5}{16}$ " x $1\frac{5}{16}$ ", Standard; (Roll of 1M) pkg/1000

26040-20 $1\frac{5}{16}$ " x $1\frac{5}{16}$ ", Pathology; (Roll of 1M) pkg/1000

26040-22 $1\frac{5}{32}$ " x $1\frac{5}{16}$ ", Standard; (Roll of 1M) pkg/1000

26040-24 $1\frac{5}{32}$ " x $1\frac{5}{16}$ ", Pathology; (Roll of 1M) pkg/1000

■ Mounting Medium / Balsam Bottle



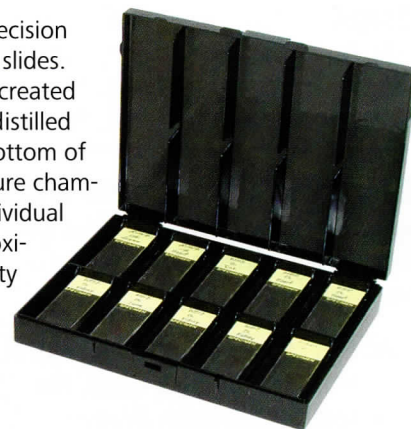
Ideal for applying mounting media. Provided with a glass applicator block and glass cap. Cap is ground to the shoulder of the bottle to form a seal. Made of "810" soda lime glass. Capacity: 100ml. Diameter: 17mm (.67"). Height: 100mm (3.94"). (supplied without media)

21033 Mounting Medium/Balsam Bottleeach

Light Sensitive Handling and Storage of Slides *For more storage go to HISTOLOGY page 262*

■ Immunostain Moisture Chamber

This is a low-cost, high precision moisture chamber for ten slides. The Moisture Chamber is created when a small amount of distilled water is added into the bottom of the chamber. Every moisture chamber is divided into ten individual compartments with approximately 12.7mm ($\frac{1}{2}$ ") empty space between the compartments. When the chamber lid is closed, eight barrier dividers are placed into the empty spaces between the microscope slide compartments completely isolating all compartments. This is a very desirable feature when doing immunostaining.



The microscope slides are placed on four pedestal posts and four corner posts each 11.5mm (0.460") high, thus raising the surface of the slides approximately 12.7mm ($\frac{1}{2}$ ") off the floor to keep the slides away from the water below and making the slides easily retrievable (either by hand or by forcep).

The chamber is fabricated of heavy-duty polystyrene with an airtight design to keep moisture in. The chamber is designed to be stackable in order to save counter and/or refrigerator space

21049-B Moisture Chamber, blackeach

■ Handy Mini Slide Box



Holds 25 3 x 1" slides, numbered index in lid, stackable. Protects Light Sensitive Specimens.

Outer dimensions:
9.5 x 8.25 x 3cm
(3.7 x 3.25 x 1.18")

2108-6 Handy Mini Slide Box, blackeach

■ Handy Slide Box, Hinged, Black

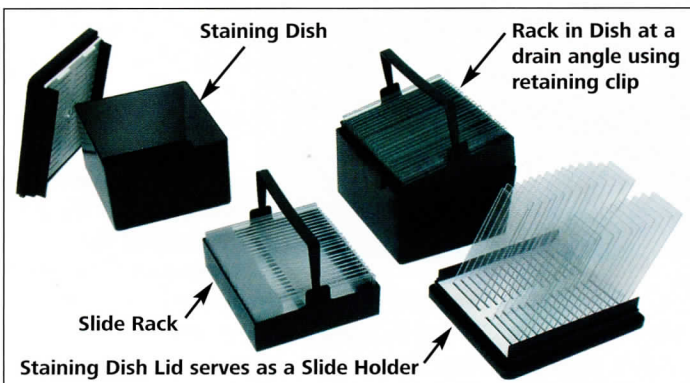


Holds 100 3 x 1" slides and has a numbered index in bottom and lid. Protects light sensitive specimens. Stackable. Outer dimensions: 21 x 17 x 3cm (8.3" x 6.7" x 1.18").

2102-6 Handy Slide Box, blackeach

■ 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. 21078each

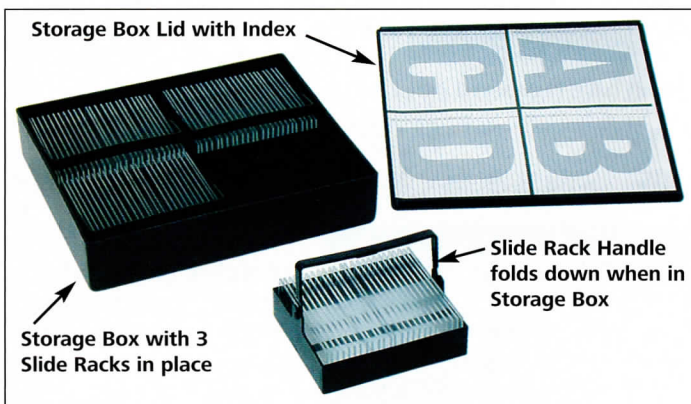
For more Slide Staining go to STAINING VESSELS page 553

■ Slide Rack

The Slide rack has an open bottom for rapid draining. It holds 25 x 15mm (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 (see below). Maximum temperature is 85°C (185°F).



21078 Slide Rack, holds 25each



■ Storage Box

A black polystyrene storage box (not for staining) holds four Slide Racks (Prod. No. 21078), not included. Provides convenient, indexed storage for the slide racks. There is a paper index for each of the four racks and also a paper index inside the cover that marks each section numerically 1 to 25. The box measures 19 x 17 x 5cm high (7-1/2" x 6-5/8" x 1-1/2").

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

■ Microscope Slide Mailer



Disposable staining container is also useful for shipping, storing and handling of slides. Black (for light sensitive specimens).

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

22519 Microscope Slide Mailer, blackeach

35 and 50mm OD



For Blackwall Glass Bottom Dishes go to page 264

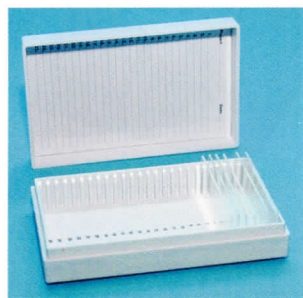
For more Slide Storage go to HISTOLOGY page 262

SLIDES, COVERSLIPS, SLIDE STORAGE

Slide Storage Boxes; 2-Slide Mailer; Plastic Slide Mailer; Slide Holder

Slide Storage Boxes and Mailers

Slide Saver Boxes



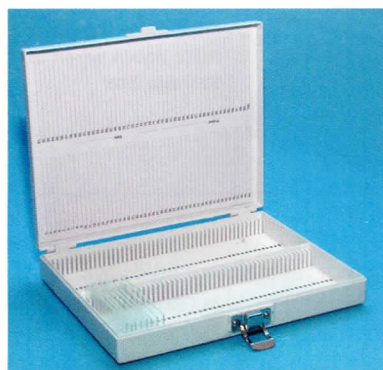
holds 25 3" x 1" slides

Removable Lid. Indexed, compact and durable, this smooth injection molded high impact plastic slide box provides the best in microscope slide protection for the histology laboratory. Heavy walls will not warp, splinter or crack; material is unaffected by humidity and is thoroughly insect-proof. Cover and

bottom have numbered index for quick ID and are stackable.

Outer dimensions: 140 x 88 x 33mm (5.5" x 3.5" x 1.3").

2105 Slide Saver Box, 25-slide, removable lidpkg/2



holds 100 3" x 1" slides

Outer dimensions: 210 x 178 (with hinges and clasp) x 32mm (8.25" x 7" x 1.25").

2107 Slide Saver Box, 100-slide, hinged lideach

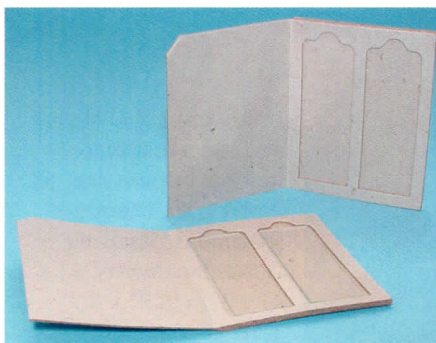
Plastic Slide Storage Files



Capacity: 100 of 3" x 1" slides, numbered index in hinged lid. Stackable. Available in 6 colors. Black is recommended for light sensitive specimens. Made of Polystyrene. Outer dimensions: 21 x 17 x 3cm (8.3" x 6.7" x 1.18").

2102-1	Slide Storage File,	White ○	. . . . .each
2102-2	Slide Storage File,	Red ●	. . . . .each
2102-3	Slide Storage File,	Green ●	. . . . .each
2102-4	Slide Storage File,	Blue ●	. . . . .each
2102-5	Slide Storage File,	Yellow ●	. . . . .each
2102-6	Slide Storage File,	Black ●	. . . . .each

Economy 2-Slide Mailer

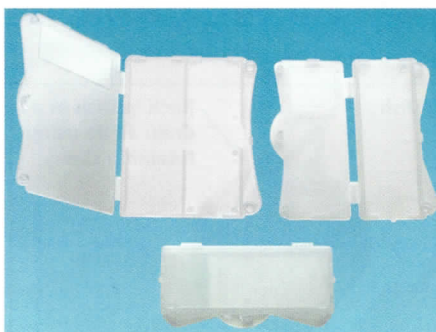


Made from chip-board .053" thick, measuring 7.6 x 9.5cm (3 x 3-3/4") when closed. It is designed to accommodate two 3 x 1" glass slides. Each Mailer conforms to U.S. Postal Regulations regarding minimum size for First

Class Mailing. Supplied in packages of 100.

2114 Economy 2-Slide Mailerpkg/100

Plastic Slide Mailer, Single or Double



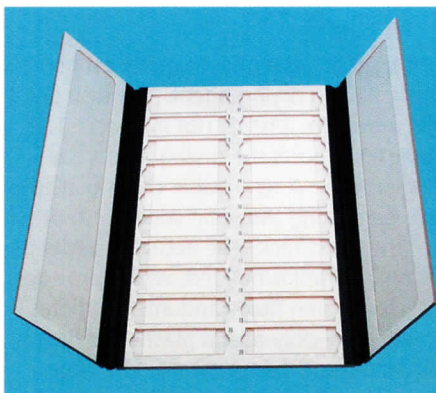
Sturdy, hinged slide mailer made from translucent plastic. Three "snap points" for secure closure and a smooth finish area or "window" so "write on" end of slide is visible without opening. The remainder of the exterior is a flat finish

to better hold notations done in permanent marker. Designed to accommodate 3 x 1" slides. Pictured are the double and single mailer in open position and below, the single mailer closed.

21093 Slide Mailer, Single PPpkg/100

21094 Slide Mailer, Double PPpkg/100

Pop-Up 20-Slide Holder



This sturdy Pop-Up Slide Holder holds 20 standard 3 x 1" slides in compartments numbered to correspond to the printed index on the cover. The compartments are recessed so the specimens can't be touched when the covers are closed. Slides pop up with a slight pressure at one

end. Each holder is made of heavy pressed cardboard with a mist gray finish. Hinged covers are attached with durable tape.

Closed dimensions are 20.3 x 34.3 x 0.9cm (8 x 13.5 x 0.34").

2110 Pop-Up 20-Slide Holdereach

■ Economy Pop-Up 20-Slide Holder



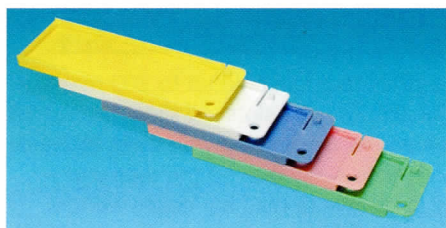
The Economy Pop-Up 20 Slide Holder also holds 20 standard 3 x 1" slides in compartments, numbered to correspond with the printed index on the inside of the cover. Covers are recessed to avoid touching the cover slips on the slides.

Slides can easily be removed from the compartments. Compartment holder is made from a double layer of densely pressed cardboard, cover is a single layer cardboard. Inside and back are finished with a clear white layer of glossy paper. Hinged top covers are finished in matt blue and are attached with thin but durable tape.

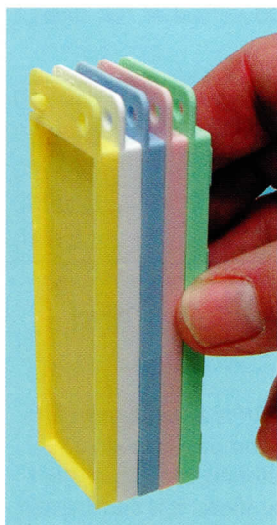
Closed dimensions are 20 x 33.2 x .7cm (7.79 x 12.68 x .28")

2115 Economy Pop-Up 20-Slide Holdereach

■ UniMailer™



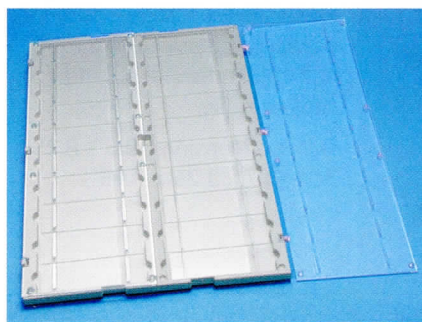
A new model for storing or shipping one or as many slides as needed. Made of high impact polystyrene and designed to accommodate 25 x 75mm (3 x 1") slides with or without cover glasses.



They fit snugly in a horizontal position on top of each other and are secured by an innovative locking mechanism. You may also insert a tamperproof tie through the hole or attach an ID label. Identification markings can be made on three sides or on top. Available in 5 colors for easy sorting.

22535	UniMailer™, Blue ●	. . . . .pkg/50
22536	UniMailer™, Green ●	. . . . .pkg/50
22537	UniMailer™, Pink ●	. . . . .pkg/50
22538	UniMailer™, White ○	. . . . .pkg/50
22539	UniMailer™, Yellow ●	. . . . .pkg/50

■ Plastic Slide Holder Tray with Clear Plastic Hinged Covers



2113 Plastic Slide Holder Tray, with 2 hinged, clear plastic covers.

Slides pop-up when pressed on either side and are easily removed. 20 numbered positions. White plastic, not affected by acetone. With two hinged, clear plastic covers to hold down and protect slides from dirt and damage.

Designed to hold up to 20 3 x 1" slides.

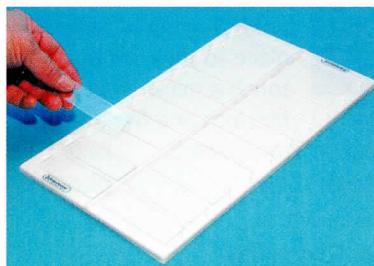
2113 Plastic Slide Holder Tray, with Clear Plastic Hinged Coverseach

Same as above but without the Plastic Covers

2112 Plastic Slide Holder Tray, without folding coverseach

■ Microscope Slide Tray

white background for stain visibility



Standard 3 x 1" microscope slides can be placed in the horizontal position for full visibility. Each tray is 19 x 34cm (7-1/2 x 13-1/2") and holds 20 slides.

Designed to hold up to 20 3 x 1" slides.

2230 Microscope Slide Traypkg/6

■ Slide Tray Cabinet

compact cabinet holds 12 trays, 240 3 x 1" slides



This 240 slide capacity cabinet holds twelve Microscope Slide Trays, shown above (2230), in a dust-free enclosure. The outer shell is white polypropylene, tray rails are polystyrene and the vertical sliding door is clear acrylic with a knob for easy opening. Dimensions are 20.7 W x 25.4 H x 35.5cm Deep (8-3/16" W x 10" H x 14" Deep) **Cabinet only**, order Slide Trays separately, Prod. No. 2230. Distance between slide trays when in the cabinet is 1.5cm (.59").

2229 Slide Tray Cabinet, without trayseach

SLIDES, COVERSLIPS, SLIDE STORAGE

Mini Slide Box; Slide Mailer; Slide Storage System; Drain Rack; 2-Slide Mailer

■ Handy Mini Slide Box



Holds 25 3 x 1" slides, numbered. Box is made of plastic in 5 colors. Numbered index in lid, stackable.

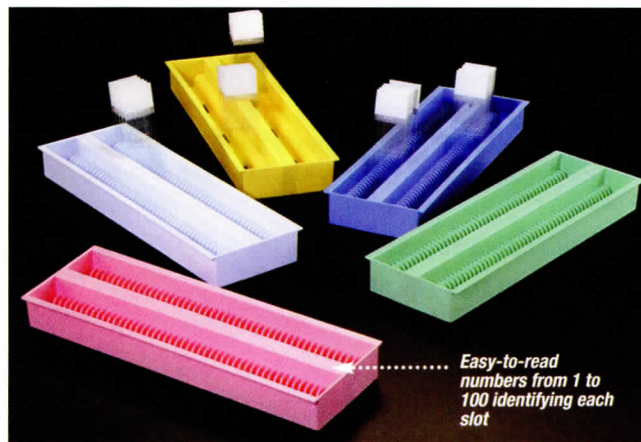
Outer dimensions: 9.5 x 8.25 x 3cm (3.7 x 3.25 x 1.18")

storage. Will resist temperatures between -80°C to +80°C (-112°F to +176°F)

22530	SlideFile™ Storage System, Blue ●	.....each
22531	SlideFile™ Storage System, Green ●	.....each
22532	SlideFile™ Storage System, Pink ●	.....each
22533	SlideFile™ Storage System, White ○	.....each
22534	SlideFile™ Storage System, Yellow ●	.....each

■ DrainRack™

made of high impact polystyrene

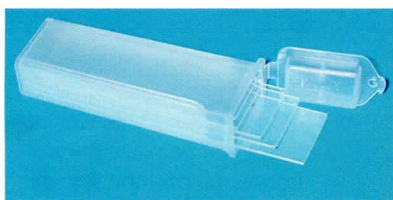


The rugged tray used as a drain rack can hold up to 200 microscope slides in 100 individual numbered slots. All slides are stored upright for easier insertion and removal. Simply tilt them forward and backward with one finger to easily pick up the slide you need. A unique feature is to be able to read bar codes without having to remove the slides from the rack. For space saving purposes, you can double the amount of slides simply by storing 2 slides per slot giving you a capacity of 200 instead of 100 slides. Not autoclavable.

22530-10	DrainRack™, Blue ●	.....case/10
22530-11	DrainRack™, Green ●	.....case/10
22530-12	DrainRack™, Pink ●	.....case/10
22530-13	DrainRack™, White ○	.....case/10
22530-14	DrainRack™, Yellow ●	.....case/10

2108-1	Handy Mini Slide Box, White ○	.....each
2108-2	Handy Mini Slide Box, Red ●	.....each
2108-3	Handy Mini Slide Box, Green ●	.....each
2108-4	Handy Mini Slide Box, Blue ●	.....each
2108-5	Handy Mini Slide Box, Yellow ●	.....each
2108-6	Handy Mini Slide Box, Black ●	.....each

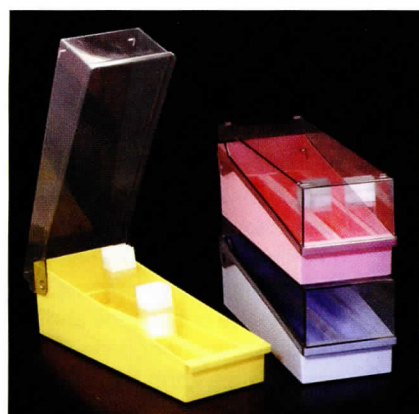
■ Microscope Slide Mailer



Disposable staining container is also useful for shipping and storage. Polypropylene container holds 5 of 3 x 1" slides in place so they will not touch a mailer wall. Positive lock and flip-top.

22518	Microscope Slide Mailer, Transparent	...pkg/100
22519	Microscope Slide Mailer, Black	.....pkg/100

■ SlideFile™ Storage System



The most convenient, organized and versatile way of storing 75 x 25mm or 3 x 1" microscope slides. Holds up to 400 slides per unit and is stackable. It includes a slide box and removable tray. A tinted hinged cover makes the contents easy to see. The base is available in 5 colors to help slide identification.

The removable tray has 100 individually numbered slots. All slides are stored upright for easy removal. Simply tilt them forward and backward with one finger to easily pick up the slide you need. A unique feature is to easily read bar codes without removing the slides from the box. For space saving purposes you can double the amount of slides by storing 2 slides per slot. For maximum storage space, simply remove the tray and line up 400 slides in 3 rows for long term

■ LockMailer Microscope Mailer and Staining Jar



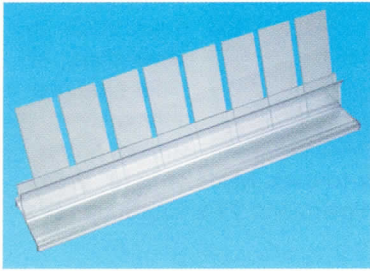
The LockMailer™ is a tamperproof multi purpose compact container for transporting, storing, mailing or staining microscope slides. It is constructed of extra-strong and clear polypropylene and will hold up to 4 standard 1x3" or 25x75mm slides vertically.

21096	LockMailer™ Microscope Mailer and Staining Jar, without Capinsetspkg/100
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See Page 554

■ Slide Holder Strip

slot for holding on end, drain ledge

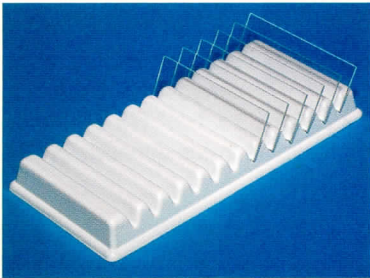


Extruded clear plastic holder 25 x 5 x 2.9cm (10" L x 2" W x 1-1/8" H) with sloping groove which widens at the top to accept single or double slides, maximum 10 standing on end and edge to edge. Front ledge can support slides left to dry (maximum 3 laying on side). Weight 85g (3 oz.). Packaged individually.

2236 Slide Holder Stripeach

■ Slide Holder

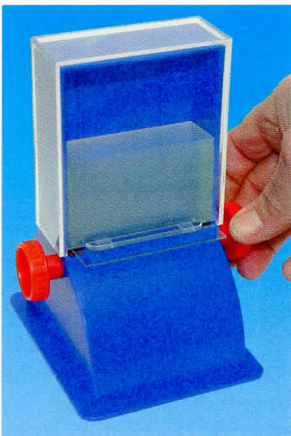
drains slides



Vacuum formed slide holder for 12 glass microscope slides. Keeps slides separated, visible and orderly. Slides project over edge of holder allowing easy pickup. 86 x 178 x 19mm high (3-3/8" x 7" x 3/4" high). Package of 6.

2235 Slide Holdereach

■ Microscope Slide Dispenser



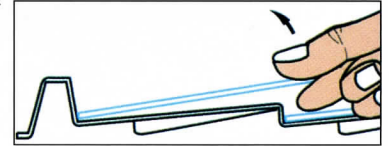
Loading slides made easy. Holds approximately 90 slides of size 3 x 1" (76 x 26mm). Turning either side wheel dispenses one slide at a time.

22522 Microscope Slide Dispensereach

■ Microscope SlideTray™

The Microscope SlideTray™ is a convenient microscope slide holder made of heavy-duty plastic lasting many years even under the most adverse conditions.

The Microscope SlideTray™ will hold up to 20 microscope slides in an almost horizontal position. Each slide can be easily removed and placed back in its position.



slides are easily inserted and removed with only two fingers

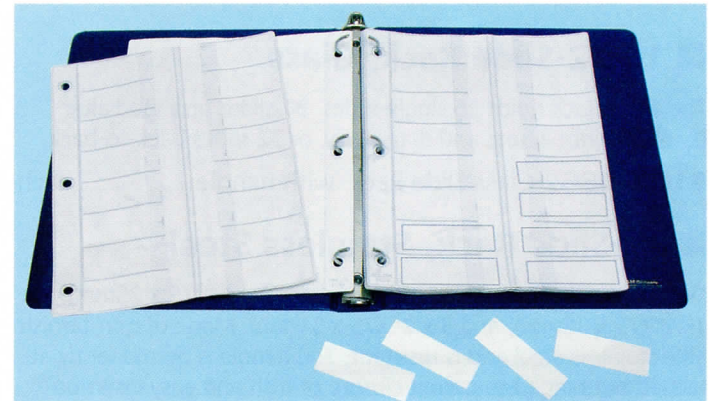


It is easily stackable and will take minimum space on any shelf or laboratory counter. Even when trays are stacked, slides are well protected and will not touch the tray above. Available in 4 colors.

2116-1	● Blue	Microscope SlideTray™ . . .case/10
2116-2	● Green	Microscope SlideTray™ . . .case/10
2116-3	○ White	Microscope SlideTray™ . . .case/10
2116-4	● Yellow	Microscope SlideTray™ . . .case/10

■ View-Pack™ Microscope Slide Holder with Ring Binder

for orderly, visual display and safe transport of microscope slides



The standard 23 x 30cm (9" x 12") 3-ring loose-leaf binder comes complete with ten 22 x 27cm (8-1/2" x 10-1/2") vinyl View-Pack™ Microscope Slide Holder Pages (enough for 160 slides). Each page holds 16 slides 25 x 75mm (3" x 1") in individual pockets with a white back and clear front. A center flap keeps slides from falling out. Simply fold the page at the center crease to retrieve slides. Additional View-Pack™ Microscope Slide Holder Pages are also available. 10 sheets per pkg.

2111 View-Pack Microscope Slide Holder, with Ring Binder and 10 Pageseach

2111-10 View-Pack Microscope Slide Holder Pages pkg/10