

avantor™
delivered by **VWR™**

VWR.COM

**Electron
Microscopy
Sciences**



ASC SPRING 2023

**ELECTRON MICROSCOPY SCIENCES
GREATEST HITS**

Welcome to this special collection of many of the highest-volume items provided by Electron Microscopy Sciences, including:

- FORMALDEHYDE
- GLUTARALDEHYDE
- TEM GRIDS
- GRID STORAGE
- SEM SUPPLIES
- SLIDES & COVERGLASS
- TWEEZERS
- SCALPELS & BLADES
- LABELS
- LAB PENS
- GENERAL LAB SUPPLIES
- CLEANING SUPPLIES

EMS-Core Sampling Tools

A revolutionary multi-purpose sampling tool, designed with retractable cutting cannula for easy operation.



Efficient, safe, fast and precise, the EMS-Core consists of a razor-sharp stainless-steel cutting tip, designed to cut, retrieve and store cored samples from source materials such as skin, tissue, gels, paper, cloth, leaves, paint chips, films or other thin, soft substrates. The EMS-Core is well known and recommended for DNA sampling.

- **Pen-like Actuator** mechanically extends the cannula from the casing
- **Self-contained Plunger** effortlessly ejects the tissue sample out of the tip
- **Polypropylene body, 304 stainless steel cutting canula (tip)**



Additional sizes available (mm): 1.5, 1, 2.5, 3.5, 4, and 5.

Description	VWR Cat. No.	Unit
Sampling Tool, 0.35 mm	103302-026	Each
Sampling Tool, 0.5 mm	103302-296	Each
Sampling Tool, 0.75 mm	103302-298	Each
Sampling Tool, 6 mm	103301-892	Each

Zerostat Anti-Static Gun

The Zerostat Anti-Static Gun operates on a piezoelectric effect to emit positive and negative charges to neutralize static on any surface.

This anti-static gun emits no radioactivity and does not require electricity or batteries. Measures 4 x 6".



Description	VWR Cat. No.	Unit
Zero-Stat Anti-Static Gun	100496-120	Each

Vortex-Genie® 2 and 2T

Unmatched reliability and multi-task versatility.

The Vortex-Genie 2 mixes or shakes fluids in any type of container with speed and precision, featuring shaking or vortexing action.

**TOP
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Large Ampoule/Tube Attachment



Small Ampoule/Tube Attachment



Variable speed control allows slow speed shaking action up to high speed vortexing. In addition, each attachment is designed to produce suitable mixing actions for different applications. A broad range of attachments of various shapes, sizes, and materials allows for the mixing of almost all common tubes or container for hands-free or touch operation. A 3-position power switch allow selections of "Hands- Free" continuous action or "Touch On" control. Tough metal housing combined with "just enough weight", provides a stable platform for all types of mixing.

The 2T has timer function, both Touch and Hands-Free mode automatically turns the unit off after set time. Touch Mode: 1 to 60 seconds. Hands-Free (Switch activated Start/Stop) Mode: 1 to 60 minutes, or continuous un-timed mode. Unit automatically stops at set time – in Touch Mode or Hands-Free (switch activated Start/Stop) Mode. Accuracy $\pm 5\%$. Repeatability $\pm 1\%$.

You'll find a full range of options and accessories for the Vortex-Genie 2 and 2T on VWR.com

Multi-Sample Head Starter Set



Includes: 6" Platform, 60 Micro Tube Insert, Micro-Well Plate Insert

Description	VWR Cat. No.	Unit
Vortex-Genie 2, 115V	102091-234	Each
Vortex-Genie 2T, 120V	102097-732	Each

FORMALDEHYDE

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Formaldehyde in Aqueous Solution, EM Grade

Easy to break, prescored, 10 ml ampoules sealed under inert gas, or 100 ml bottles.

Size	Packaging	VWR Cat. No.	Unit
4% Aqueous Solution			
100 ml	Bottle	102091-906	Each
10×10 ml	Glass Ampoule	102091-904	Pack of 10
8% Aqueous Solution			
10×10 ml	Glass Ampoule	102091-918	Pack of 10
100 ml	Bottle	102091-920	Each
10% Aqueous Solution			
100 ml	Bottle	100496-492	Each (100ml)
16% Aqueous Solution			
10 ml	Glass Ampoule	100503-914	Each (10ml)
10×10 ml	Glass Ampoule	100503-917	Pack of 10 (10ml)
100 ml	Bottle	100503-020	Each (100ml)
10 boxes 10×10 ml	Glass Ampoule	100504-782	Box of 100 (10ml)
20% Aqueous Solution			
10×10 ml	Glass Ampoule	100504-940	Each (10ml)
100 ml	Bottle	100496-494	Each (100ml)
32% Aqueous Solution			
10×10 ml	Glass Ampoule	100504-858	Each (10ml)
100 ml	Bottle	100496-496	Each (100ml)

Paraformaldehyde, Granular, EM Grade, Purified

Contains more than 95.5% paraformaldehyde content. The Prill and Granular forms are small, free-flowing, dust-free beads, the most desired by EM users.

A fast-penetrating EM fixative used in combination with Glutaraldehyde, Acrolein, and Osmium Tetroxide. Karnovsky, M.J., J. Cell Biol., 27, 137A (1965). Hayat, M.A. Principles & Tech., of EM (Univ. Park Press), 68 (1981).



Size	VWR Cat. No.	Unit
50% Aqueous Solution		
500 g	100504-160	Each (500g)
1 kg	100504-162	Each

GLUTARALDEHYDE

Glutaraldehyde in Aqueous Solution, EM Grade

Electron Microscopy Sciences takes special precautions to assure a polymer-free, pure glutaraldehyde. Every lot of our EM grade aqueous glutaraldehyde is assayed prior to shipping assuring you consistent purity and the highest possible quality. If stored properly, our Glutaraldehyde has a very long shelf life.

Size	Packaging	VWR Cat. No.	Unit
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8% Aqueous Solution

10x2 ml	Glass Ampoule	100505-010	Box of 10 (2ml)
10 ml	Glass Ampoule	100503-964	Each (10ml)
10x10 ml	Glass Ampoule	100504-784	Box of 10 (10ml)
10 boxesx10x10 ml	Glass Ampoule	100503-966	Each
20 boxesx10x10 ml	Glass Ampoule	100503-968	Each
100 ml	Bottle	100504-942	Each (100ml)

25% Aqueous Solution

10 ml	Glass Ampoule	100503-978	Each (10ml)
10x10 ml	Glass Ampoule	100504-788	Box of 10 (10ml)
10 boxes	Glass Ampoule	100503-986	Each
20 boxes	Glass Ampoule	100503-988	Each
100 ml	Bottle	100503-980	Each (100ml)

50% Aqueous Solution

10 ml	Glass Ampoule	100503-990	Each (10ml)
10 boxes 10x10 ml	Glass Ampoule	100503-998	Each
20 boxes 10x10 ml	Glass Ampoule	100504-000	Each
1 box10x10 ml	Glass Ampoule	100504-790	Box of 10 (10ml)
100 ml	Bottle	100503-992	Each (100ml)

Glutaraldehyde in Aqueous Solution, Biological Grade

Highest purity, free from polymers and other contaminants. Each lot is tested and assayed in our lab and we guarantee its purity. Sealed under dry nitrogen. Refrigerated prior to shipment.

Size	Packaging	VWR Cat. No.	Unit
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50% Aqueous Solution

450 ml	Bottle	100504-008	Each (450ml)
4x450 ml	Bottle	100504-010	Each (450ml)
1 L	Bottle	100505-022	Each (1l)
4x1 L	Bottle	100504-012	Each (1l)





Fixatives, Prepared

Premixed, prebuffered fixatives, that are pH adjusted for immediate laboratory use.

These are freshly prepared upon receipt of order to ensure maximum shelf life. The fixatives are filled in 20 mL glass vials (10 mL/vial). This allows for the immediate fixation of your specimens without costly and time consuming transfer associated with ampoule contained fixatives. Certifications: Certificates of analysis are available.

Description	VWR Cat. No.	Unit
0.2% Formaldehyde/0.1% Chromic Acid in 0.1 M Sodium Cacodylate Buffer (pH 7.4)	100503-950	Each (10ml)
2% Formaldehyde/0.02% Picric Acid in 0.1 M Sodium Phosphate Buffer (pH 7.2)	100503-954	Each (10ml)
Formaldehyde/Glutaraldehyde, 2.5% each in 0.1 M Sodium Cacodylate Buffer (pH 7.4)	100504-860	Each (10ml)
Formaldehyde/Glutaraldehyde, 3% each in 0.1 M Sodium Cacodylate Buffer (pH 7.4)	100504-862	Each (10ml)
2% Paraformaldehyde/2.5% Glutaraldehyde in 0.1 M Sodium Cacodylate Buffer (pH 7.4)	MSPP-15960-01	Each
Temperature sensitive This item is temperature-controlled and may have specific temperature and storage requirements for shipping/delivery. NOTE: This item is not eligible for return.		
2.5% Glutaraldehyde in 0.1 M Sodium Cacodylate Buffer (pH 7.4)	100503-956	Each (10ml)
2.5% Glutaraldehyde in 0.1 M Millionigs Sodium Phosphate Buffer (pH 7.2)	100503-958	Each (10ml)
2.5% Glutaraldehyde in 0.1 M Sorensens Sodium-Potassium Phosphate Buffer (pH 7.2)	100503-960	Each (10ml)

Sodium Cacodylate Buffer

Used for preparing buffered glutaraldehyde fixatives for electron microscopy.

Sodium Cacodylate Buffer, 0.2M is prepared from Sodium Cacodylate Trihydrate (FW 214.02).

Description	pH	Size	VWR Cat. No.	Unit
Sodium Cacodylate Buffer, 0.2M	Specify pH	500 ml	100504-840	Each (500ml)
Sodium Cacodylate Buffer, 0.2M	pH 7.4	1 L	102090-962	Each
Temperature sensitive This item is temperature-controlled and may have specific temperature and storage requirements for shipping/delivery. NOTE: This item is not eligible for return.				
Sodium Cacodylate Buffer, 0.2M	Specify pH	225 ml	100503-718	Each (225ml)
Sodium Cacodylate Buffer, 0.4M	pH 7.2	1 L	102090-966	Each
Temperature sensitive This item is temperature-controlled and may have specific temperature and storage requirements for shipping/delivery. NOTE: This item is not eligible for return.				
Sodium Cacodylate Buffer, 0.4M	pH 7.2	500 ml	102090-964	Each



Osmic acid ≥ 99.95%, Crystalline, Highest Purity

Small size (2 ml), light-gauge, pre-scored amber glass ampoules containing OsO₄ crystal, are pre-cleaned and heat sealed in plastic bags to assure a contaminant-free solution. Ampoules are also free of pressure-sensitive labels and, therefore, do not require cleaning prior to solution preparation.

Size	Packaging	VWR Cat. No.	Unit
1 g	Glass Ampoule	100504-128	Each

Osmic acid 4% in Aqueous Solution

The osmium tetroxide is prepared daily in our plant. It is sealed under dry nitrogen. Exact concentrations and volumes in pre-scored amber-ampoules.

Other concentrations and packaging options available.

Size	Packaging	VWR Cat. No.	Unit
10×2 ml	Glass Ampoule	100504-822	Box of 10 (2g/mol)
10×10 ml	Glass Ampoule	100504-826	Box of 10 (10ml)

Silicone Elastomer, Sylgard™ 184

Same as the Kwik Gard™ But in its original container.

A two-part silicone elastomer, ideal for potting and encapsulating applications.

Size	VWR Cat. No.	Unit
1 kit	102092-312	Kit

Uranyl acetate ACS

A universal EM stain for thin sections, en-block staining, and negative staining.

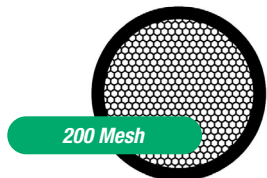
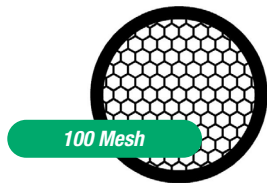
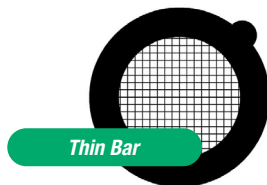
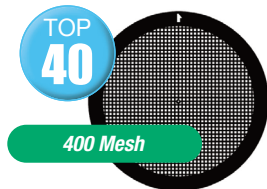
Pre-made and ready to use uranyl acetate solution are available with concentrations of 1%, 2%, 3%, or 4%.

Other concentrations are available upon request.

Size	VWR Cat. No.	Unit
25 g	100504-336	Each (25g/mol)



TEM GRIDS



Gilder Standard Square Mesh Grids

Material	Bar Size	Hole Size	Mesh	Pitch	VWR Cat. No.	Unit
Copper	35 µm	90 µm	200	125 µm	100501-514	Pack of 100
Cu/Pd	35 µm	90 µm	200	125 µm	100495-636	Pack of 100
Gold	35 µm	90 µm	200	125 µm	100501-512	Pack of 50
Nickel	35 µm	90 µm	200	125 µm	100502-990	Pack of 100
Copper	25 µm	58 µm	300	83 µm	100501-534	Pack of 100
Cu/Pd	25 µm	58 µm	300	83 µm	100495-672	Pack of 100
Gold	25 µm	58 µm	300	83 µm	100501-532	Pack of 50
Nickel	25 µm	58 µm	300	83 µm	100503-000	Pack of 100
Copper	25 µm	37 µm	400	62 µm	100495-676	Pack of 100
Cu/Pd	25 µm	37 µm	400	62 µm	100503-006	Pack of 100
Gold	25 µm	37 µm	400	62 µm	100495-674	Pack of 50
Nickel	25 µm	37 µm	400	62 µm	100495-684	Pack of 100

Gilder Thin Bar Square Mesh Grids

Developed using a new technology to produce ultra-fine grids with thinner cross bars than regular grids. The result is equally firm specimen support but with 40% more open viewing area.

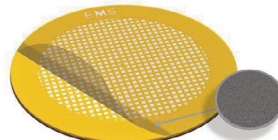
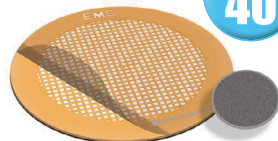
Material	Bar Size	Hole Size	Mesh	Pitch	VWR Cat. No.	Unit
Copper	12 µm	113 µm	200	125 µm	102101-586	Pack of 100
Gold	12 µm	113 µm	200	125 µm	100496-032	Pack of 25
Nickel	12 µm	113 µm	200	125 µm	100496-040	Pack of 100

Gilder Standard Hexagonal Mesh Grids

Material	Bar Size	Hole Size	Mesh	Pitch	VWR Cat. No.	Unit
Copper	35 µm	215 µm	100	250 µm	100495-620	Pack of 100
Gold	45 µm	205 µm	100	250 µm	102101-084	Pack of 50
Nickel	35 µm	215 µm	100	250 µm	100495-622	Pack of 100
Copper	25 µm	100 µm	200	125 µm	100501-518	Pack of 100
Gold	25 µm	100 µm	200	125 µm	100501-516	Pack of 50
Nickel	25 µm	100 µm	200	125 µm	100502-988	Pack of 100
Copper	25 µm	58 µm	300	83 µm	100501-538	Pack of 100
Gold	25 µm	58 µm	300	83 µm	100501-536	Pack of 50
Nickel	25 µm	58 µm	300	83 µm	100502-998	Pack of 100

Thin Bar Hexagonal Mesh Grids are also available.

TOP
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Carbon Film on Square Mesh Grids

All film is laid on the shiny shine of the grid.

Additional mesh sizes, film thicknesses, and pack quantities are also available.

Material	Film Thickness	Mesh	VWR Cat. No.	Unit
Copper	5 - 6 nm	200	100489-722	Pack of 50
Gold	5 - 6 nm	200	100489-720	Pack of 50
Nickel	5 - 6 nm	200	100489-726	Pack of 50
Copper	5 - 6 nm	300	100489-732	Pack of 50
Gold	5 - 6 nm	300	100489-730	Pack of 50
Nickel	5 - 6 nm	300	100500-848	Pack of 50
Copper	5 - 6 nm	400	100500-854	Pack of 50
Gold	5 - 6 nm	400	100500-852	Pack of 50
Nickel	5 - 6 nm	400	100500-858	Pack of 50

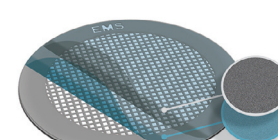
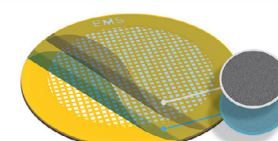
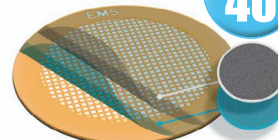
Formvar/Carbon Film on Square Mesh Grids

Excellent specimen support, especially for ultra thin sections.

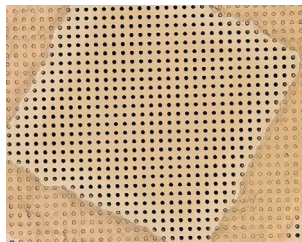
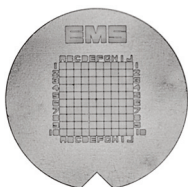
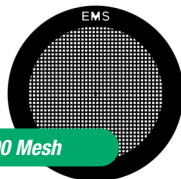
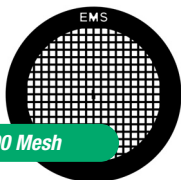
All film is laid on the shiny shine of the grid.

Additional mesh sizes, film thicknesses, and pack quantities are also available.

TOP
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Material	Film Thickness	Mesh	VWR Cat. No.	Unit
Copper	10 nm/1 nm	200	100491-094	Pack of 50
Gold	10 nm/1 nm	200	100491-090	Pack of 50
Nickel	10 nm/1 nm	200	100491-098	Pack of 50
Copper	10 nm/1 nm	300	100489-732	Pack of 50
Gold	10 nm/1 nm	300	100491-116	Pack of 50
Nickel	10 nm/1 nm	300	100491-120	Pack of 50
Copper	10 nm/1 nm	400	100491-124	Pack of 50
Gold	10 nm/1 nm	400	100491-122	Pack of 50
Nickel	10 nm/1 nm	400	100491-130	Pack of 50



EMS Square Mesh Grids

Material	Film Thickness	Mesh	VWR Cat. No.	Unit
Copper	Up to 27 μm , $\pm 5 \mu\text{m}$	200	103302-380	Pack of 100
Gold	11 μm , $\pm 2 \mu\text{m}$	200	103301-988	Pack of 50
Nickel	Up to 27 μm , $\pm 5 \mu\text{m}$	200	103301-966	Pack of 100
Copper	Up to 19 μm , $\pm 5 \mu\text{m}$	300	103301-952	Pack of 100
Nickel	Up to 19 μm , $\pm 5 \mu\text{m}$	300	103302-392	Pack of 100
Gold	10 μm , $\pm 2 \mu\text{m}$	300	103301-990	Pack of 50
Molybdenum	25 μm , $\pm 4 \mu\text{m}$	300	103302-000	Pack of 25
Copper	Up to 19 μm , $\pm 5 \mu\text{m}$	400	103302-394	Pack of 100
Gold	9 μm , $\pm 2 \mu\text{m}$	400	103302-002	Pack of 50
Molybdenum	25 μm , $\pm 4 \mu\text{m}$	400	103302-886	Pack of 25
Nickel	Up to 19 μm , $\pm 5 \mu\text{m}$	400	103302-454	Pack of 100

EMS Slot Grids, Oval Hole

Material	Film Thickness	Mesh	VWR Cat. No.	Unit
Copper	27 μm , $\pm 5 \mu\text{m}$	2 x1 mm	103302-452	Pack of 100
Gold	27 μm , $\pm 5 \mu\text{m}$	2 x1 mm	103303-194	Pack of 50
Molybdenum	25 μm , $\pm 4 \mu\text{m}$	2 x1 mm	103303-030	Pack of 25
Nickel	27 μm , $\pm 5 \mu\text{m}$	2 x1 mm	103302-042	Pack of 100

Asbestos Analysis Index Grids

Unique index grids for all microscopy work, manufactured to meet AHERA requirements.

Material	VWR Cat. No.	Unit
Copper	102101-124	Pack of 100
Nickel	102101-126	Pack of 100

QUANTIFOIL® UltrAuFoil™ Holey Gold Films

These ultrastable gold supports for electron cryomicroscopy will reduce the movement of frozen specimens during imaging. This improves image contrast and quality leading to better 3D reconstructions with less data.

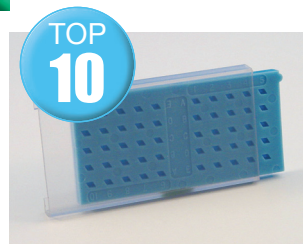
Description	Material	Mesh	VWR Cat. No.	Unit
R 0.6/1	Gold	300 Mesh	103306-434	Pack of 50
R 1.2/1.3	Gold	300 Mesh	103306-426	Pack of 50
R 2/2	Gold	300 Mesh	103306-424	Pack of 50

Grid Storage Box, 50 Capacity

Storage for 50 grids in deep diamond-shaped wells.

All wells are identified. The base is resistant to organics and reactions can be carried out on grid-mounted samples in the wells. Includes grid recording card.

Description	Capacity	VWR Cat. No.	Unit
Grid Storage Box, Clear Cover	50 Grids	100491-744	Each
Grid Storage Box, Clear Cover	50 Grids	100499-702	Dozen

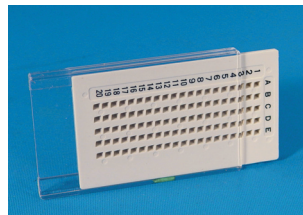


Grid Storage Box, 100 Capacity

A newly designed grid storage box similar to the original LKB box. Made from a special plastic that minimizes static. Includes grid recording card.

Dimensions: 8 L x 5 W x 7 T mm

Description	Capacity	VWR Cat. No.	Unit
Grid Storage Box	100 Grids	100491-748	Each
Grid Storage Box	100 Grids	100499-706	Dozen



EMS 50- and EMS 100-Capacity Inexpensive Grid Storage Boxes

Used for the storage of TEM grids for routine grid handling, transport and long term TEM grid storage for standard grids that are 3.05 mm in diameter. The box has a simple number/letter combination printed on the side of the body.

Dimensions for both boxes are: 75 x 55 x 6.5 mm. Anti Static treated.

Description	VWR Cat. No.	Unit
100 Grid Storage Box	102097-420	Each
50 Grid Storage Box	102097-418	Each

Cryogenic Grid Box

For storing or transferring cryo TEM specimen grids.

Four diamond shaped slots. Non-static clear cover shield held in place with stainless steel screw, which is tapped in the center of the box



Description	VWR Cat. No.	Unit
Grid Box Round with Lid, Blue	102097-442	Each
Grid Box Pin Type Lid for FEI	MSPP-71166-40	Each



50-Capacity



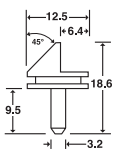
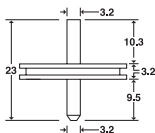
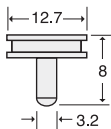
100-Capacity



SEM SUPPLIES



**TOP
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**TOP
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Standard Pin Stub SEM Mount, Slotted Head

For use with Cambridge, Phillips, Camscan, B and L, Etec, Zeiss.

Also available with numbering sequences (1-alpha/4-numeric).

Description	VWR Cat. No.	Unit
Pin Stub, Aluminum	100488-666	Pack of 10
Pin Stub, Aluminum	100488-668	Pack of 100
Pin Stub, Aluminum	100488-670	Pack of 500
Pin Stub, Aluminum	100488-672	Pack of 50
Pin Stub, Aluminum	100488-674	Pack of 100
Pin Stub, Aluminum	100488-676	Pack of 500
Pin Stub, Aluminum	100501-848	Pack of 50
Pin Stub, Aluminum	100501-850	Pack of 10

SEM Pin Mount, Double 90° 32mm

For use with FEI, Tescan, Zeiss, Philips, LEO, Cambridge, Amray, Leica, CamScan, ETEC.

Made from ultra-pure aluminum.

Description	VWR Cat. No.	Unit
SEM PIN MOUNT, DOUBLE 90, 32MM	76468-540	Each

SEM Pin Mount, 45° and 90° Low Profile

For FEI, Tescan, Zeiss, Philips, Leo, Cambridge, AMRAY, Leica, CamScan, ETEC.

Description	VWR Cat. No.	Unit
MOUNT ALUM 45/90DEG LOWPROFILE HEAD	MSPP-75352	Each

Standard Conductive Carbon Adhesive Tabs

For specimen mounting in SEM.

Additional options available for size and grade.

Description	VWR Cat. No.	Unit
Standard Carbon adhesive tabs, 12 mm	100489-666	Pack of 100

Forensic Gunshot Residue Field Kits

Compatible with FBI requirements

Kits include certified SEM pin stubs with double-coated adhesive carbon tabs in pre-labelled plastic tubes. Also included:

- Powder-free nitrile gloves
- Tamper-evident cardboard transport box (4-1/2 W x 3-3/4 D x 3" H)
- Evidence label
- Chain of custody label on box
- Tamper evident seal



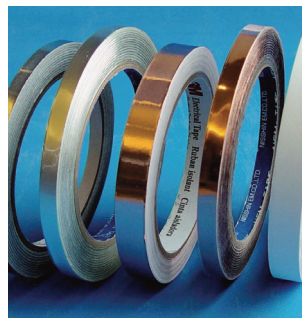
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Description	VWR Cat. No.	Unit
Field Kit with 3 Disc	103302-464	Kit of 1
Field Kit with 4 Disc	103301-914	Kit of 1
Field Kit with 5 Disc	103302-484	Kit of 1

Scotch Conductive Tapes

Continuous long-term usage up to 155 °C. Functional days-weeks usage up to 175 °C.

Description	Width	Length	VWR Cat. No.	Unit
Aluminum Tape	1/2"	18 yd	102091-343	Each
Aluminum Tape	1"	18 yd	102091-341	Each
Conductive Aluminum Tape	1/4"	18 yd	100492-336	Each
Conductive Copper Tape	1/4"	18 yd	100492-338	Each
Copper Tape	1/2"	18 yd	102091-345	Each
Double Sided Conductive Copper Tape	-	-	100502-870	Each



SEM Conductive Tapes

Clean background, developed especially for SEM.

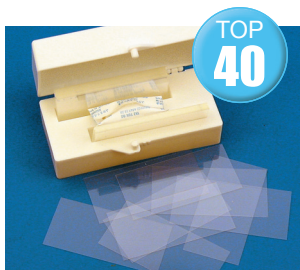
Many more size and materials options available, including...

- Copper/Nickel Tape
- Aluminum/Nickel Tape
- Double Sided Carbon Tape



Description	Adhesion	Size	Thickness	VWR Cat. No.	Unit
Double Sided Carbon Tape, 8 mm	0.045 mm x 2	0.07 mm Pad	0.16 mm	100492-344	Each

SLIDES & COVERGLASS



Superslip® Micro Glasses

With moisture-resistant packaging.

These “Superslip®” coverslips are designed to work in automated coverslippers and humid environments without sticking or jamming up in the middle of a run.

Additional sizes available.

Description	No.	VWR Cat. No.	Unit
Cover glasses, Super Slip, rectangular, 50×24 mm	#1	100502-562	1 oz



Style 62A Coverslip Tweezers, VWR Cat. No. 100494-796, only from EMS.

Round Cover Slips – German Glass

Can be used for growing and culturing cells that normally have poor adhesion to plastic or regular glass surfaces.

- 5mm size will fit inside the 96 well plates
- Enough room to pick up 5 mm from the bottom of the well with forceps
- 8 mm size fits inside the 24 well plates
- Available with #1.5 (0.16 – 0.19 mm) thickness

Description	No.	Dia.	VWR Cat. No.	Unit
Cover slips, german glass, round	#1.5	5 mm	101413-528	Pack of 100
Cover slips german glass, round	#1.5	8 mm	101413-530	Pack of 100



Micro Cover Glasses, Square and Rectangular

Manufactured from clear white, borosilicate glass. They offer super clarity, are perfectly flat, and corrosion resistant.

- Uniform in size and thickness

Additional sizes available.

Description	L×W	No.	Packaging	Capacity	VWR Cat. No.	Unit
Cover glasses, rectangular	50×22 mm	#1	70 pieces/oz.	1 oz.	100500-810	Box of 144
Cover glasses, square	22×22 mm	#1.5	138 pieces/oz.	1 oz.	100500-812	Box of 144
Cover glasses, rectangular	50×22 mm	#1.5	61 pieces/oz.	1 oz.	100500-818	Box of 144

Compact Glass Slide Storage Box

The Mini Box.

Made from rigid polystyrene, with a removable lid. This 25 capacity slide box measures L x W x H: 95 x 82 x 30 mm (7.75 x 3.25 x 1.25"). The box is available in either white, red, or blue.

Color	VWR Cat. No.	Unit
Blue	100501-424	Each
Red	100501-426	Each
White	100501-428	Each



Secured Hinge 100-Capacity Microscope Slide Boxes

Made from durable polystyrene (with heavy walls).

Each box is secured with a rust-resistant nickel-plated clasp and hinge pin. To ensure proper slide identification, each slot is numbered to correspond to the slide inventory sheet on the inside cover of the box. Dimensions: 222 x 172 x 35 mm (8.75 x 6.75 x 3.375"). Stackable.

Also available in yellow, green, or red, and in 10-packs.

Color	VWR Cat. No.	Unit
100 Capacity, Blue	100501-430	Each
100 Capacity, White	100501-436	Each



Microscope Slide Box for 100 Slides

Molded one-piece polypropylene construction with integral living hinge.

Numbering in the base corresponds to the printed index in the covers for slide identification purpose. Boxes are designed to be stackable to save space. The tensioned clasp insures a secure closure. Available in 25 or 100 capacity. Fits 1 x 3" microscope slides.

Color	VWR Cat. No.	Unit
Molded, 100- Microscope Slide Box	100496-330	Pack of 10
Molded, 100- Microscope Slide Box	100491-784	Each



EMS High Precision Ultra Fine Tweezers, Style 3X

These very popular, high-quality tweezers are ideal for laboratory work, including precise handling of TEM grids. They have an anti-glare satin finish.

SA low carbon austenitic steel is non-magnetic and anti-acid. It is ideal for use where corrosion resistance and toughness are primary requirements.

Tip Configuration: Very sharp, self closing

Description	Material	OAL	VWR Cat. No.	Unit
Style 3X	SA steel	120 mm	100494-728	Each

EMS High Precision Ultra Fine Tweezers, Style 4X

These very popular, high-quality tweezers are ideal for laboratory work, including precise handling of TEM grids. They have an anti-glare satin finish.

SA low carbon austenitic steel is non-magnetic and anti-acid. It is ideal for use where corrosion resistance and toughness are primary requirements.

Tip Configuration: Extra fine, self closing

Description	Material	OAL	VWR Cat. No.	Unit
Style 4X	SA steel	110 mm	100494-738	Each

EMS High Precision Ultra Fine Tweezers, Style 5

These very popular, high-quality tweezers are ideal for laboratory work, including precise handling of TEM grids. They have an anti-glare satin finish.

SA low carbon austenitic steel is non-magnetic and anti-acid. It is ideal for use where corrosion resistance and toughness are primary requirements.

Tip Configuration: Extra fine with superior finish

Description	Material	OAL	VWR Cat. No.	Unit
Style 5	SA steel	110 mm	100494-740	Each

EMS High Precision Ultra Fine Tweezers, Style 2A, 2AX

Provide a larger flat gripping surface for better handling of small object without puncturing membranes, wafers, etc.

Tip Configuration: 2A: Flat, accurate, round tips. 2AX: Flat, accurate, round tips, self-closing.

Description	Material	OAL	VWR Cat. No.	Unit
Style 2A	SA steel	120 mm	100501-462	Each
Style 2AX	SA steel	120 mm	100502-886	Each



Dumont Tweezers, Style 5

- Hand made of the highest quality steels and alloys
- High precision Swiss manufacturing
- Perfectly finished to suit your application

Dumostar®, Dumont's patented alloy, is more elastic and more resistant to corrosion than the best stainless steels. It is also perfectly compatible with human tissues and is resistant to mineral and organic acids as well as salt. Although slightly more expensive than other alloys, Dumostar is 100% antimagnetic and is resistant to sterilization temperatures of up to 500°C. This is the most cost effective and appropriate alloy for laboratory use.

Dumoxel® was patented by Dumont to offer the best in resistance to corrosion thanks to its high concentration of molybdenum and chromium. Dumoxel® also guarantees an excellent resistance to sulphuric environments, hydrochloric acid, as well as all other mineral and organic acids. Dumoxel® is 95% antimagnetic, resistant up to temperatures of around 400°C (DIN 90 914) and is suitable for autoclave sterilization at 270°C.

Tip Configuration: Straight positive action with super thin tips.

Description	Material	OAL	VWR Cat. No.	Unit
Style 5, Biological	Dumostar®, Matte	110 mm	76519-074	Each
Style 5, Biological	Dumostar®, Polished	110 mm	100501-806	Pair
Style 5, High Precision	Dumoxel®, Polished	110 mm	76375-932	Each

Dumont Tweezers Style N5

Tip Configuration: Straight negative action with super thin tips.

Description	Material	OAL	VWR Cat. No.	Unit
Style N5	Dumoxel®, Polished	108 mm	102091-548	Each

Reinforced Plastic Tweezers

Withstand temperature up to 200°C.

Reinforced plastic tweezers made of PBTP (Polybutylenterephthalate) with 20% fiber-glass has good resistance to chemicals and acids

Tip Configuration: Pointed, flat-contact-tips

Description	Material	OAL	VWR Cat. No.	Unit
Style K7	PBTP/20% fiber-glass	120 mm	100494-636	Each



SCALPELS & BLADES

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All other styles also available.

Feather™ Scalpel Handle with Blade, Disposable

Sterile, stainless steel disposable scalpels with a handle.

Packed in aluminum foil.

Description	VWR Cat. No.	Unit
Scalpel Set #10	100499-578	Each
Scalpel Set #11	100499-580	Each
Scalpel Set #21	100499-588	Each
Scalpel Set #22	100499-590	Each

Scalpel Blade Remover

Designed for safe and easy removal of used disposable blades from any size or type of scalpel handle.

Eliminates direct hand-blade contact. Depending on the size, it can store 150-300 used blades.

Description	VWR Cat. No.	Unit
Scalpel Blade Remover	100488-462	Pack of 5
Scalpel Blade Remover	100491-916	Each



All other styles also available.

Scapel Blades/Feather

Sterile, stainless steel surgical scalpel blades.

Wrapped individually.

Description	VWR Cat. No.	Unit
Sterile Scalpel Blades #10	102097-820	Box of 100
Sterile Scalpel Blades #11	102097-822	Box of 100
Sterile Scalpel Blades #21	100500-792	Box of 100
Sterile Scalpel Blades #22	102097-824	Box of 100

Feather Double Edge Blade

Made from super sharp carbon steel.

Easily breaks in half for use with any tissue slicing machine, or break smaller portions for use as a microscalpel with a Blade Breaker and Holder.



Description	VWR Cat. No.	Unit
Feather Double Edge Blade	101413-474	Pack of 500
Feather Double Edge Blade	101413-472	Pack of 10

SCALPELS & BLADES

Razor Blades, Single Edge, Carbon Steel

All blades are 1-1/2 x 3/4" in size.



Description	Thickness	VWR Cat. No.	Unit
Single Edge Carbon Steel	0.009"	100491-864	Each
Single Edge Carbon Steel Extra Keen	0.009"	100491-868	Each
Single Edge Carbon Steel Pal, Extra Keen	0.009"	100501-824	Pack of 100
Single Edge Carbon Steel Heavy Duty	0.012"	100503-130	Box of 100
Single Edge Carbon Steel, 10 Units	0.009"	100491-866	Each
Single Edge Carbon Steel Extra Keen, 10 Units	0.009"	100491-870	Each
Single Edge Carbon Steel Heavy Duty, 10 Units	0.012"	100491-872	Each
Single Edge Carbon Steel Pal, Extra Keen Blades, 10 Units	0.009"	100491-877	Case of 1,000

Razor Blades: Double Edge Stainless Steel

Stainless Steel "PTFE" coated. PERSONNA brand .004" thick, wrapped individually, 250 blades in a box.

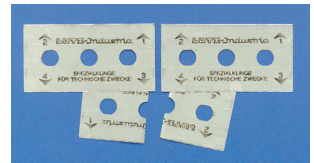
Description	VWR Cat. No.	Unit
Double Edge Blades	100491-886	Each
Razor blade, uncoated	102091-238	Box of 250



Breakable Double Edge Razor Blades

Made from carbon steel. The blades break easily and cleanly. Square ends. Measure L x W x T: 43 x 22.2 x 0.10 mm. Packaged 100 blades in a box.

Description	VWR Cat. No.	Unit
Steel Blades	100500-640	Box of 100



Razor Blades, Single Edge, Extra Long

Stainless steel blades have a sharp edge with better handling. Packed 250 in a removable slide box.



Description	Size	Thickness	VWR Cat. No.	Unit
Single Edge Extra Long	2.25 x 0.5"	0.009"	100500-638	Box of 250
Single Edge Extra Long, 250 Units	2.25 x 0.5"	0.009"	100491-880	Each

LABELS

Cryo Labels on Sheets

Cryo-Babies[®] and Cryo-Tag[®] labels are tough and temperature resistant, withstanding freezer temperatures down to -196 °C (liquid and vapor phase nitrogen), boiling water baths (100 °C), autoclaving and moderate oven temperatures (150 °C). Made with a flexible, polyolefin label material and acrylic adhesive. This unique combination expands and contracts together with temperature fluctuations resulting in a strong adhesive bond.



Color	Use	Dimensions	Packaging	VWR Cat. No.	Unit
Rainbow	Cryo vials	43 x 19 mm	52 labels/sheet, 20 sheets	101413-900	Pack of 1,040
Blue	Cryo vials	43 x 19 mm	52 labels/sheet, 20 sheets	101413-902	Pack of 1,040
Green	Cryo vials	43 x 19 mm	52 labels/sheet, 20 sheets	101413-904	Pack of 1,040
Orange	Cryo vials	43 x 19 mm	52 labels/sheet, 20 sheets	101413-906	Pack of 1,040
Red	Cryo vials	43 x 19 mm	52 labels/sheet, 20 sheets	101413-908	Pack of 1,040
White	Cryo vials	43 x 19 mm	52 labels/sheet, 20 sheets	101413-910	Pack of 1,040
Yellow	Cryo vials	43 x 19 mm	52 labels/sheet, 20 sheets	101413-912	Pack of 1,040
Color	Use	Dimensions	Packaging	VWR Cat. No.	Unit
Rainbow	1.5 ml tubes	33 x 13 mm	85 labels/sheet, 20 sheets	101413-858	Pack of 1,700
Blue	1.5 ml tubes	33 x 13 mm	85 labels/sheet, 20 sheets	101413-860	Pack of 1,700
Green	1.5 ml tubes	33 x 13 mm	85 labels/sheet, 20 sheets	101413-862	Pack of 1,700
Orange	1.5 ml tubes	33 x 13 mm	85 labels/sheet, 20 sheets	101413-864	Pack of 1,700
Red	1.5 ml tubes	33 x 13 mm	85 labels/sheet, 20 sheets	101413-866	Pack of 1,700
White	1.5 ml tubes	33 x 13 mm	51 labels/sheet, 20 sheets	102098-498	Pack of 1,020
White	1.5 ml tubes	33 x 13 mm	85 labels/sheet, 20 sheets	101413-868	Pack of 1,700
Yellow	1.5 ml tubes	33 x 13 mm	85 labels/sheet, 20 sheets	101413-870	Pack of 1,700



Direct Thermal Cryo Labels

Direct Thermal Cryo-Tags have expanded temperature range and freezable in liquid and vapor phase nitrogen. They adhere to most plastics, glass and metals without cracking, peeling or degrading. Additional colors available.

Color	Use	Diameter	Dimensions	VWR Cat. No.	Unit
-	0.5 ml tubes	-	27 x 13 mm	102098-506	Pack of 1,000
White	1.5 ml tubes	-	38 x 13 mm	102098-528	Pack of 750
-	1.5 ml tubes	9.5 mm	38 x 13 mm	102681-352	Pack of 1,000

Super Pap-Pen; Slide Marker



New and improved staining guard pen. The Super PAP Pen may be used at temperatures as high as 120°F. One can now use the Super PAP Pen to perform the peroxidase-anti-peroxidase method, ABC method, and Fluorescent antibodies method with satisfactory results.

Description	VWR Cat. No.	Unit
Super Pap Pen, Small	100502-806	Each
Super Pap Pen, Large	100491-772	Each

EMS Science Marker™

Fine tip alcohol- and water-resistant cryogenic marker. These markers are alcohol-resistant on most surfaces. Preliminary testing is required. Not suitable for exposure to Acid/Ethanol mixes.



Description	VWR Cat. No.	Unit
Science Marker, Black, PK6	76551-498	Pack of 6

Retractable Diamond Tip Scriber

Diamond tip scribers are in wide use throughout the laboratory. Leaves a permanent marking on virtually any surface, including metal, glass, or plastic. Natural diamond tip ***Straight and Angle tip scribers are also available.***

Description	VWR Cat. No.	Unit
Diamond 60° Tip Retractable Scriber	100491-582	Each
Refill for Diamond Tip Retractable Scriber, 60°	100491-584	Each

StatMark Pen



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Made of rigid nylon that allows for precise hand marking on glass slides as well as on most tissue embedding cassettes.

Quick drying ink is highly resistant to aqueous based stains, alcohols, xylene and xylene substitutes.

Description	VWR Cat. No.	Unit
StatMark Pen	101764-992	Each
StatMark Pen	101764-994	Pack of 12

Teeny Writer



Perfect general use lab markers. The Twin-Tip Teeny Writer has a fine tip and ultra fine tip. The original Teeny Writer has an extra fine tip. Resistant to most mild laboratory chemicals.

Description	VWR Cat. No.	Unit
Teeny Writer, Black	102093-902	Each
Twin Tip Teeny Writer, Black	102093-908	Each





Tri-Corn Beakers, Plastic, Disposable

Autoclavable beakers that can withstand temperatures up to 121 °C.

- Metric graduations
- Three dripless pouring spouts
- Resistant to most chemicals

Capacity	Height	O.D.	Graduation interval	Hole size	VWR Cat. No.	Unit
100 ml	73 mm	53 mm	10 mL	73 mm	100503-206	Pack of 100
250 ml	90 mm	72 mm	10 mL	90 mm	100503-208	Pack of 100
400 ml	110 mm	80 mm	20 mL	110 mm	100503-212	Pack of 100
800 ml	134 mm	107 mm	50 mL	134 mm	100503-216	Pack of 100
1000 ml	147 mm	112 mm	50 mL	147 mm	100503-220	Pack of 100



Plastic Weighing Boats

Utilized to weigh liquid or solid samples.

- Anti-static.
- Recessed corners facilitate controlled pour-off

Description	Capacity	VWR Cat. No.	Unit
Micro Boat, 1-3/4 x 3/8" H	5 ml	100502-714	Pack of 500
Medium, 3-5/16 x 3/4" H	75 ml	100488-354	Pack of 500
Large, 5-1/2 x 7/8" H	125 ml	100489-802	Pack of 500



Glassine Weighing Paper

Our glassine weighing paper is moisture-resistant and non-absorbent.

Description	Size	VWR Cat. No.	Unit
Glassine weighing paper	3×3"	100489-804	Pack of 500
Glassine weighing paper	4×4"	100489-806	Pack of 500
Glassine weighing paper	6×6"	100489-808	Pack of 500



Dow Corning® Vacuum Grease

Resistant to most chemicals and is inert and heat stable.

Resistant to most chemicals and is inert and heat stable.

Description	VWR Cat. No.	Unit
Vacuum Grease, 150 g	100504-358	Each (150g)

Nitrile Examination Gloves, Textured

100% synthetic nitrile that contains no latex.

These powder-free gloves will provide the user with superior comfort, excellent flexibility, and dexterity.



Description	VWR Cat. No.	Unit
X-Small, Blue	76458-564	Box of 100
Small, Blue	76458-556	Box of 100
Medium, Blue	76458-558	Box of 100
Large, Blue	76458-560	Box of 100
X-Large, Blue	76458-562	Box of 100

Rubber Bulbs

For use with Pasteur pipettes and disposable glass pipettes.

- 30 mm in length
- 1 ml capacity.



Description	VWR Cat. No.	Unit
Pipette Rubber Bulbs	100488-418	Pack of 24

Cork Discs

Perfect for use with a cryostat.

These discs are 20 mm diameter and are 3 mm thick.



Description	VWR Cat. No.	Unit
Cork Discs	101412-806	Pack of 100

Rubber Cement

Useful for adhering specimens to SEM stubs. 4 oz. bottle comes with a brush in the cap.



Description	VWR Cat. No.	Unit
Rubber Cement	100491-938	Each

Nail Polish; Clear

Used for sealing the boats made from tape to glass knives.



Description	VWR Cat. No.	Unit
Nail Polish, 0.5 oz	100491-940	Each

Wooden Picks

Used for cleaning pole pieces and parts of the EM. Also used for orienting the specimen during the embedding stage.



Description	VWR Cat. No.	Unit
Wood Picks	100501-832	Pack of 100

Heavy Duty Aluminum Foil

Packed in a convenient box.

Can be cut to any length. Each roll is 12" wide and 500' long.



Description	VWR Cat. No.	Unit
HD Al. Foil, 500 ft	100496-118	Each

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Opto-Wipes™ Precision Lens Cleaning Wipes

A strong hydro-entangled mixture of polyester and cellulose fiber, designed for clean room environments.

Opto-Wipes™ are highly absorbent and withstand solvents such as MEK, methylene chloride, acetone, and alcohol. They are washable and reusable.

Width	Packaging	Length	VWR Cat. No.	Unit
4"	200 Wipes/Pack	4"	100489-358	Pack of 20
4"	200 Wipes/Pack	4"	76248-124	Pack of 200
6"	150 Wipes/Pack	6"	100489-360	Pack of 150
6"	100 Wipes/Pack	12"	100489-362	Pack of 100
12"	100 Wipes/Pack	12"	100489-364	Pack of 100

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Decon 90

The leading active surface cleaning agent, and/or radioactive decontaminant, for lab, medical and specialized industrial applications.

Decon 90 can be used for manual cleaning or in an ultrasonic cleaning bath. Supplied as a liquid concentrate, for dilution with water.

Description	VWR Cat. No.	Unit
Decon 90, 1 liter Bottle	102093-280	Each