MEDITE

MEDITE Devices and many Consumables are Made in Germany

PRODUCT CATALOG

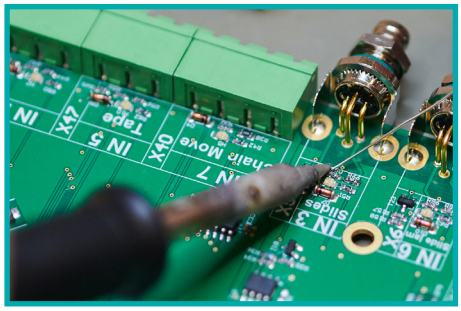
Laboratory Equipment and Consumables for Histology, Cytology and Pathology since 1978

Valid from 05/2025



www.medite.de

Laboratory Devices made in Germany



MEDITE is renowned for developing, manufacturing and distributing top-quality and high-performing Laboratory Equipment used in Histology, Cytology and Pathology Laboratories. Customers all over the world have placed their trust in us for more than 45 years now. Their success is our motivation to do our best every day.



The diversity of our product range is reflected in the people who take care of their production. Together, our teams form a diverse group of people with a wide range of interests who are committed to finding ideas and implementing laboratory solutions. The special mix of many years of experience in the medical technology industry, the broad knowledge of our colleagues, and innovative impulses and ideas is why **MEDITE** devices are constantly in high demand.



At our two German locations in Burgdorf and Nußloch, we combine modern technology with precise handwork down to the smallest detail to produce the best possible products. We have been successful in this way since 1978. In this time, **MEDITE** has become an established permanent player in the international market for laboratory equipment. Today, thanks to our many satisfied customers and our great dealer network, we can be found in laboratories in well over 100 countries.

Happy customers are our mission

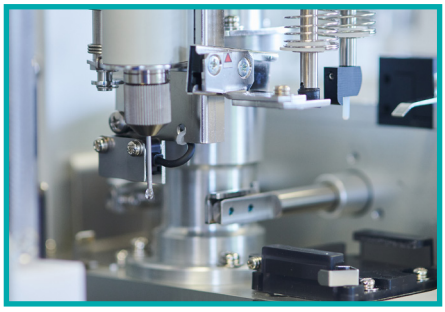
Products

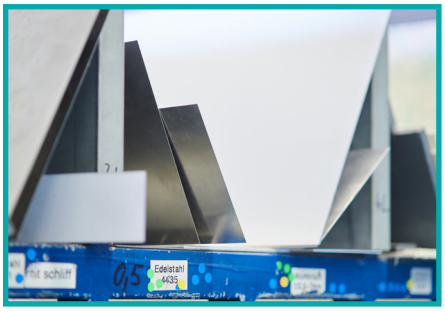
- Many high-quality laboratory devices and matching consumables made in Germany
- Long-lasting products
- Flexible production for customer-specific requests

Service & Support

- Personal Sales Contact for all areas of the world
- Service Trainings inhouse, online and on site
- Certified DIN EN ISO 9001:2015
- Support for Marketing activities







Product Highlights

TES 99 Paraffin Embedding Center



Our popular Tissue Embedding Center **TES 99** is now available in white. All three units come with a sturdy powder-coated casing and many interesting features for optimal use. Get the details on p. 28.

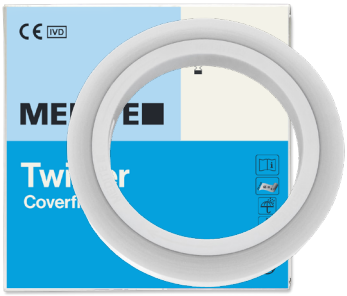


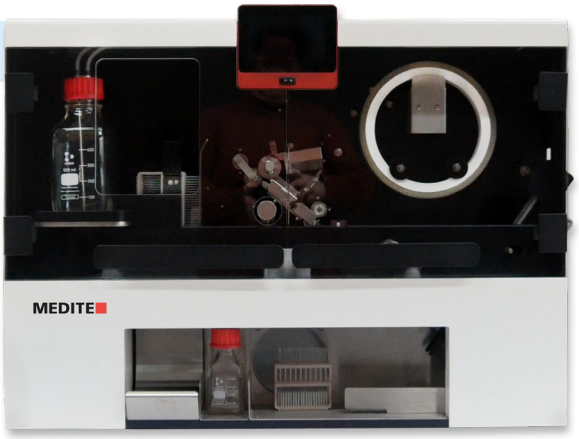
CitEX Paraffin Cleaner

The environmentally friendly paraffin cleaner with its pleasant lemon scent can be used to remove residues from surfaces and equipment in the laboratory. Now available in a larger bottle with a spray gun for precise handling. Find out more about **CitEX** on p. 8.

Twister® Film Coverslipper and Coverfilm

For quick and easy coverslipping, the **Twister®** Film Coverslipper (see p. 60) is the perfect choice. Users of this device can get the matching **Twister®** Coverfilm (see p. 12), which is specifically designed for joint use. The results are perfect for use in Digital Pathology.





Cryostat M630 semi-automatic



The free-standing semi-automatic **Cryostat M630** comes with integrated UV disinfection and automatic defrost function. A wide range of accessories is available for optimal use, including blade holders for high and low profile blades. Also available: the **Cryostat M650** with object cooling. Find more information on both models on page 34.
The matching **TissueCut** microtome blades can be found on page 10.



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In this Catalog

On the following pages you will find a wide range of equipment and matching consumables for histology, cytology and pathology.

Packing Unit Not only do different products have different packing units *(PU)* – the types of a product can also be packaged differently. This is usually due to the product size. The packing unit also represents the minimum purchase quantity *(MA)*, unless this is specified separately.

Category Numbers Each product has an individual category number, which is indicated in this catalog in the column with the abbreviation *Cat. No*. To avoid confusion when ordering, we recommend always specifying the category number of the desired product. This is particularly helpful for products that are available in different versions (e.g. different container sizes).

Missing something? If you are missing a specific product or would like a different version, don't hesitate to contact us! We will be happy to review all available options and work with you to find the best solution for your requirements.

We always endeavor to process all requests promptly. Despite careful checking, we cannot rule out errors or changes after copy deadline, and apologize for any inconveniences.

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Embedding Cassettes for Printer, loose, with attached lid



- Printable with thermal transfer or inkjet printers
- Front surface with 35° or 45° incline
- Hole pattern: long
- With lid, easy to open
- Material: POM (Polyoxymethylene)

Packing Unit	*Color*	***45° Front*** *Cat. No.*	***35° Front*** *Cat. No.*
1 box of 1,000 pcs. *for every color*	white	46-1100-01	46-1300-00
	light blue	46-1102-01	46-1301-00
	yellow	46-1103-01	46-1302-00
	green	46-1104-01	46-1303-00
	pink	46-1105-01	46-1304-00

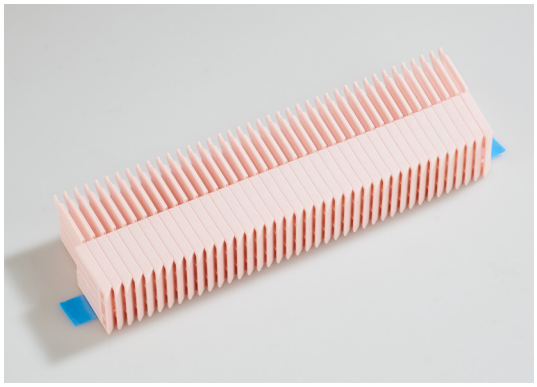
Biopsy Cassettes for Printer, loose, with attached lid



- Printable with thermal transfer or inkjet printers
- Front surface with 45 ° incline
- Hole pattern: square
- With lid, easy to open
- Material: POM (Polyoxymethylene)

Packing Unit	*Color*	*Cat. No.*
1 box of 1,000 pcs. *for every color*	white	46-1700-01
	light blue	46-1705-01
	yellow	46-1702-01
	green	46-1704-01
	pink	46-1703-01

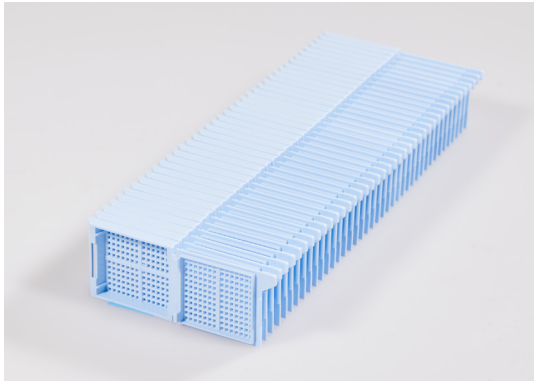
Embedding Cassettes for Printer, taped, with attached lid



- Printable with thermal transfer or inkjet printers
- Front surface with 35° or 45° incline
- Hole pattern: long
- 40 pcs. taped for easy printer equipping
- Material: POM (Polyoxymethylene)

Packing Unit	*Color*	***45° Front*** *Cat. No.*	***35° Front*** *Cat. No.*
1 box of 2,000 pcs. *for every color*	white	46-1600-00	46-1800-00
	light blue	46-1601-00	46-1809-00
	yellow	46-1602-00	46-1802-00
	green	46-1603-00	46-1803-00
	pink	46-1604-00	46-1804-00

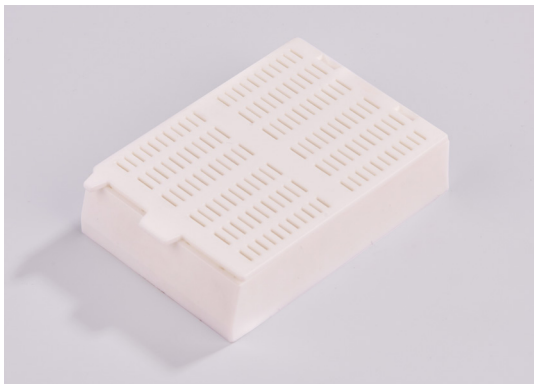
Biopsy Cassettes for Printer, taped, with attached lid



- Printable with thermal transfer or inkjet printers
- Front surface with 35° or 45° incline
- Hole pattern: square
- 40 pcs. taped for easy printer equipping
- Material: POM (Polyoxymethylene)

Packing Unit	*Color*	***45° Front*** *Cat. No.*	***35° Front*** *Cat. No.*
1 box of 2,000 pcs. *for every color*	white	46-1900-00	46-1950-00
	light blue	46-1901-00	46-1951-00
	yellow	46-1902-00	46-1952-00
	green	46-1903-00	46-1953-00
	pink	46-1904-00	46-1954-00

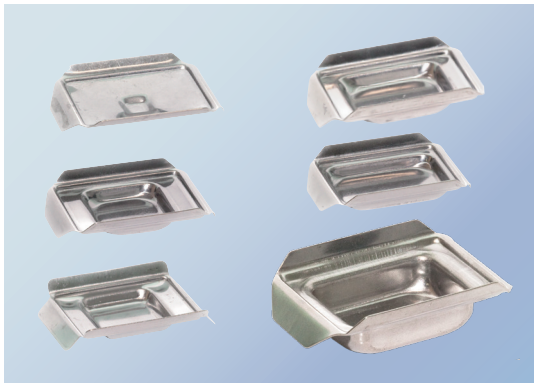
Mega and Super Mega Cassettes, loose, with attached lid



- Markable front surface with 45° incline
- Hole pattern: long
- With lid, easy to open
- Material: POM (Polyoxymethylene)
- Size (W/D/H) Mega Cassette: 25 x 30 x 10 mm inside / 28 x 40 x 12 mm outside
- Size (W/D/H) Super Mega Cassette: 48 x 62 x 14 mm inside / 53 x 73 x 16 mm outside

Type	*Packing Unit*	*Cat. No.*
Mega Cassette	Box of 750 pcs.	47-1150-00
Super Mega Cassette	Box of 200 pcs.	47-1155-00

Embedding Molds Premium



- Precise manufacturing, no sharp edges
- Flat bottom for even standing
- Material: Stainless steel
- Compatible with embedding and biopsy cassettes in standard and mega sizes
- Reusable after thorough cleaning

Packing Unit	*Size (L/W/D)*	*Cat. No.*
Bag of 12 pcs. *for every size*	7 x 7 x 5 mm	47-2001-00
	15 x 15 x 5 mm	47-2002-00
	24 x 24 x 5 mm	47-2003-00
	30 x 24 x 5 mm	47-2004-00
	37 x 24 x 5 mm	47-2005-00
Bag of 6 pcs.	Mega 33 x 24 x 12 mm	47-2010-00

Biopsy Paper

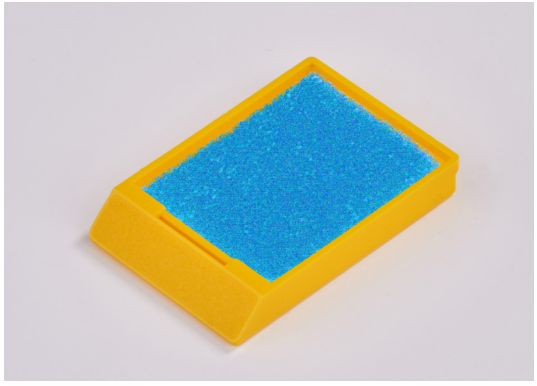


- For protection of fine biopsies in biopsy cassettes
- Easy sampling after dehydration and fixation
- Perfect solvent infiltration
- Markable with pencil
- Pages bound on one side, easy to tear off
- Dimensions: 26 x 66 mm

Packing Unit	*Color*	*Cat. No.*
Box of 10 pads with 100 sheets each *(1 pad ca. 120 g net wt.)*	white	46-6200-00

Cassettes available seperately

Biopsy Pads



- For protection of fine biopsies in biopsy cassettes
- Blue foam pads, loose
- Perfect solvent infiltration
- Dimensions: 26 x 32 x 2 mm

Packing Unit	*Color*	*Cat. No.*
Bag of 500 pads *(1 bag ca. 30 g net wt.)*	blue	47-1060-00
	black	47-1061-00

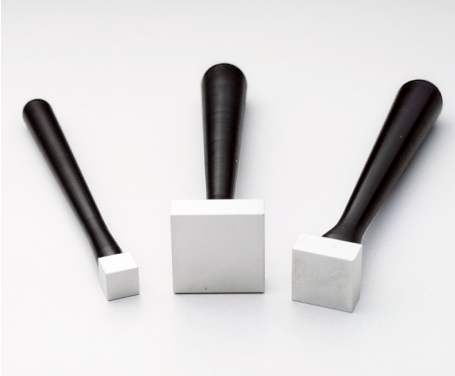
Cassettes available seperately

Tissue Tamper

- For optimal positioning and gently pressing down tissue samples
- With a heat-resistant handle
- Base made of heat-conducting aluminum
- Available in four different sizes
- **New:** Size XL fitting for Mega Cassettes

Packing Unit	*Size (L/W)*	*Cat. No.*
1 pc. *for every size*	24 x 24 mm (XL)	46-0913-00
	19 x 19 mm (L)	46-0910-00
	13 x 13 mm (M)	46-0911-00
	7 x 7 mm (S)	46-0912-00

New size: Now available in XL!









CitEX Paraffin Remover

- Environmentally friendly cleaner for removing paraffin from surfaces and equipment in the laboratory
- Mixture of quality oils
- Cleans gently, nourishing and protecting
- With a pleasant scent of lemon
- Spray gun for the 500 ml bottle available separately (when buying a carton of 6 bottles incl. 2 spray guns)

Size	*Packing Unit*	*Cat. No.*
Bottel of 250 ml	• 1 bottle • Box of 12 bottles	41-5610-00
Bottle of 500 ml	• 1 bottle • Box of 6 bottles with 2 spray guns	41-5620-00
Spray gun	1 piece	41-5620-10







Cryo-Spray

- Environmentally friendly freeze spray in handy spray cans
- Large spray can (400 ml) comes with fine spray tube for precise application
- CFC and HFC free
- Transport information: dangerous goods

Size	*Packing Unit*	*Cat. No.*
Can of 200 ml	• 1 can • Box of 12 cans	40-0110-00
Can of 400 ml incl. fine spray tube	• 1 can • Box of 12 cans	40-0111-00







Cryo Embedding Medium

- Embedding medium for frozen sections
- Squeeze bottle with convenient ball screw cap for clean application
- Available in two colors

Color	*Size*	*Cat. No.*
Clear	Bottle of 125 ml *(ca. 0.14 kg net wgt.)*	41-3011-00
Purple	Bottle of 125 ml *(ca. 0.14 kg net wgt.)*	41-3012-00







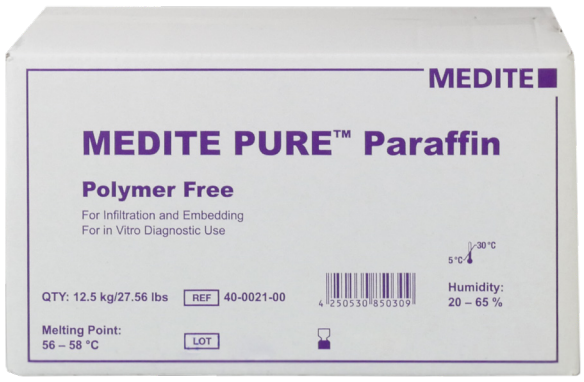
MEDITE PURE Paraffin



- Innovative paraffin recipe with paraffin purified several times, without polymers or other toxic substances
- Produces a high-gloss, transparent surface for recognizing even small biopsies
- Suitable for use with all intermediates
- Excellent properties in tissue processing, embedding and sectioning
- Good firmness after cooling down without wrinkling
- Ideally suited for use with open and closed tissue processors
- Melting point: 56 – 58 °C
- Quickly dissolves when dewaxing
- Different packaging sizes for individual needs: from the large, environmentally friendly paper bag with a content of 25 kg for high consumption to a box with five handy 2 kg bags

Packing Unit	*Cat. No.*
Bag of 25 kg	40-0022-00
Box of 12.5 kg	40-0021-00
Box of 5 bags of 2 kg each	40-0020-00

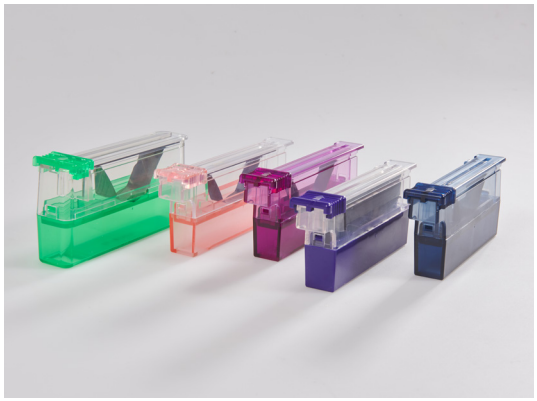


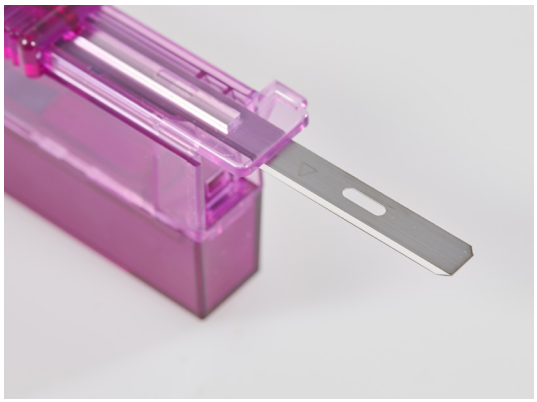




TissueCut® Microtome Blades







Type LS35 – Low Profile Plasma, Cat. No. 48-1680-00

- Special blade hardened with plasma technology
- Perfectly suited for use with sliding and rotary microtomes in daily routine
- Suitable for all types of tissue
- Easy compiling section ribbons at high standing time
- Quality product from Japan
- Dispenser of 50 blades

Type LH35 – Low Profile Plasma, Cat. No. 48-1690-00

- Special blade hardened with plasma technology to easily cut extra thin section ribbons
- Quick cutting with minimal material loss and long service life
- Particularly suitable for immunohistology and special staining
- Also proven to be of great use for routine use
- Quality product from Japan
- Dispenser of 50 blades

Type R 52 – Low Profile, Cat. No. 48-1600-00

- Strong blade for use in daily routine
- Very well suitable for all kinds of tissue
- Specially hardened stainless steel guarantees short trimming with excellent cutting results and a long service life
- Quality product from Japan
- Dispenser of 50 blades

Type N 42 – Low Profile, Cat. No. 48-1610-00

- Powerful blade with an extra hardened cutting edge
- Particularly suitable for very hard tissue
- Very good results with sliding and rotary microtomes for difficult material
- Ideal for use with cryostats
- Quality product from Japan
- Dispenser of 50 blades

Type R 70 – High Profile, Cat. No. 48-1601-00

- Short trimming, excellent cuts and long service life
- Perfectly suitable for use in routine and research
- Quality product from Japan
- Dispenser of 50 blades

Available as single dispenser or box of 10 dispensers!

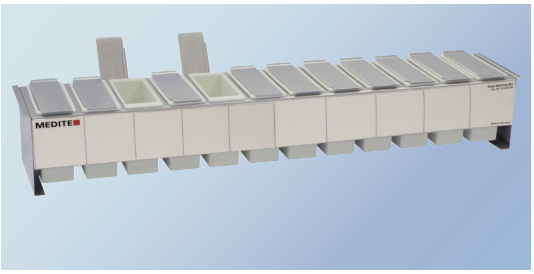
Magnetic Microtome Brush



- Fine brush for easy cleaning when working with the microtome
- With magnetic end for safe removal of microtome blades
- Fits comfortably in hand

Packing Unit	*Cat. No.*
1 piece	51-0046-00

Slide Staining Sets



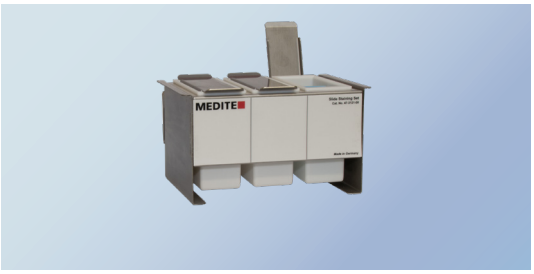
Manual Slide Staining Set Large
- 12 staining stations with plastic cuvettes and stainless steel lids in a stainless steel frame
- Filling volume of the cuvettes: 360 ml each
- One plastic slide basket for 25 slides, microwaveable, included in the set
- Front writable with non-permanent maker
- Resistant to alcohol, xylene, toluene and dye solutions
- Dimensions (W/D/H): 710 x 140 x 130 mm

Size	*Packing Unit*	*Cat. No.*
Large – 12 staining stations (*ca. 3.4 kg/net wgt.*)	1 set	47-3112-00



Manual Slide Staining Set Medium
- 6 staining stations with plastic cuvettes and stainless steel lids in a stainless steel frame
- Filling volume of the cuvettes: 360 ml each
- One plastic slide basket for 25 slides, microwaveable, included in the set
- Front writable with non-permanent maker
- Resistant to alcohol, xylene, toluene and staining solutions
- Dimensions (W/D/H): 370 x 140 x 130 mm

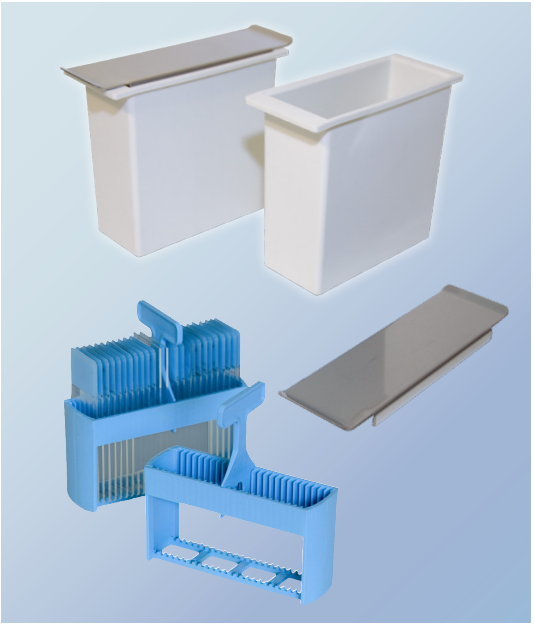
Size	*Packing Unit*	*Cat. No.*
Medium – 6 staining stations *(ca. 1.9 kg/net wgt.)*	1 set	47-3116-00



Manual Slide Staining Set Small
- 3 staining stations with plastic cuvettes and stainless steel lids in a stainless steel frame
- Filling volume of the cuvettes: 360 ml each
- One plastic slide basket for 25 slides, microwaveable, included in the set
- Front writable with non-permanent maker
- Resistant to alcohol, xylene, toluene and staining solutions
- Dimensions (W/D/H): 200 x 140 x 130 mm

Size	*Packing Unit*	*Cat. No.*
Small – 3 staining stations *(ca. 1.1 kg/net wgt.)*	1 set	47-3121-00

Accessories for Slide Staining Sets



Staining Cuvette
- Staining cuvette made of plastic for Slide Staining Sets (see above)
- Dimensions (W/D/H) inside: 96 x 45 x 100 mm
- Dimensions (W/D/H) outside: 117 x 50 x 100 mm
- Filling volume: 360 ml

Product	*Packing Unit*	*Cat. No.*
Staining Cuvette	1 pc.	35-2002-50

Stainless Steel Lid
- Fits perfect onto staining cuvette (see above)

Product	*Packing Unit*	*Cat. No.*
Stainless Steel Lid	Bag of 6 pieces	43-5070-00

Microscope Slide Basket
- Capacity of 25 slides
- Can be used with microwave ovens
- Suitable for staining cuvette (see above)

Product	*Packing Unit*	*Cat. No.*
Microscope Slide Basket	Box of 6 pieces	47-3142-00





Staining

Staining Solutions for Histology



- European manufactured staining solutions for use in histological staining
- Amber glass protects the staining solutions from light and contributes to long shelf life
- Convenient bottle size of 2.5 liters

Staining Solution	*Size*	*Cat. No.*
Hematoxylin GILL	Bottle of 2.5 liters	41-5136-01
Hematoxylin MAYER	Bottle of 2.5 liters	41-6860-00
Eosin 0.2 % alcoholic*	Bottle of 2.5 liters	41-6650-00
Eosin 0.2 % aqueous	Bottle of 2.5 liters	41-6670-00
Eosin 0.5 % aqueous	Bottle of 2.5 liters	41-6671-00

All types are also available in practical boxes of 4 bottles!

** Transport information: dangerous goods*

HistoBond®+M Adhesive Microscope Slides

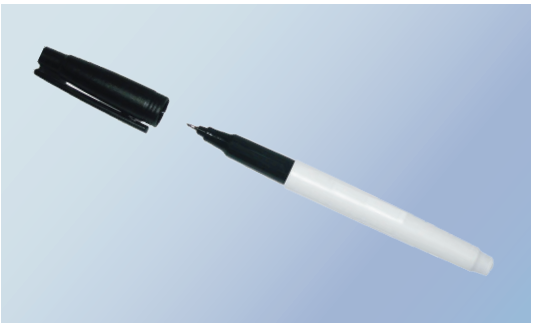


- Made of soda-lime glass of the third hydrolytic class with 90° ground edges and 45° beveled corners
- Dimensions: ca. 76 x 26 mm
- Thickness: ca. 1 mm (tol. ± 0.05 mm)
- Pre-cleaned and ready for use
- Autoclavable
- Blister (plastic box) of 100 pcs.

® registered trademark of Paul Marienfeld GmbH & Co. KG

Packing Unit	*Cat. No.*
1 box of 2,000 pcs.	48-8103-00

Marker Pen

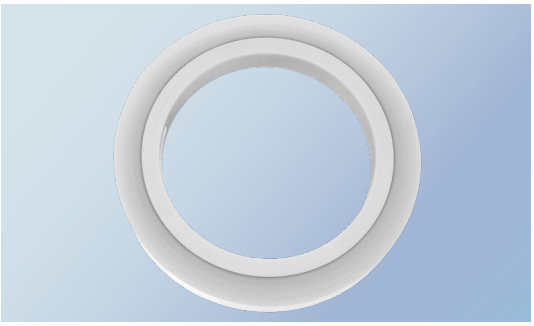


- Permanent marker with high-contrast black color for clearly legible lettering
- To mark tissue embedding cassettes, microscope slides and other surfaces without pretreatment
- Resistant to most laboratory chemicals
- Non-toxic, odorless and waterproof
- Long lifespan without drying out

Packing Unit	*Cat. No.*
1 box of 12 pcs. (*0.116 kg/net wgt.*)	47-1070-00

Coverslipping

Twister® Coverfilm



- High-quality coverslipping film made in Germany
- Width: ca. 24 mm, length: ca. 66 m
- Long-term resistance with quickly effective adhesive strength
- Can be removed by using acetone

Packing Unit	*Cat. No.*
• Box of 5 rolls *(1 roll ca. 0.45 kg/net wgt.)* • Single coverfilm roll	40-4400-00

General availability in non-EU countries upon request

Restricted availability only for users of the MEDITE Twister® Film Coverslipper in selected areas

Perfect for use with the Twister® Film Coverslipper

The modern **Twister**® coverslipper offers high performance for up to 1,200 slides per hour. In combination with the **Twister**® Coverfilm, you get excellent results in high optical quality. Further information on the **Twister**® coverslipper can be found on page 60 of this catalogue. We are happy to make you a personal offer!



Coverglass for Automats



- High-quality special coverglass made of pure white borosilicate glass, hydrolytic class 1
- Specially treated surface to reduce adhesive effects
- Ideal for use in automatic coverslippers
- Precisely cut, free from bubbles and streaks, made in Germany
- Thickness: 0.13 – 0.16 mm
- Low size tolerance of ~ 0.5 mm
- In hinged lid boxes, 100 pieces each

Size	*Packing Unit*	*Cat. No.*
24 x 50 mm	Box of 1,000 pieces *(0.57 kg/net wgt.)*	46-9452-01
24 x 55 mm	Box of 1,000 pieces *(0.625 kg/net wgt.)*	46-9455-01
24 x 60 mm	Box of 1,000 pieces *(0.62 kg/net wgt.)*	46-9451-01

pertex® Mounting Medium



- Synthetic coverglass adhesive for covering slides
- Stable preservation of the preparations
- Suitable for coverslippings made of xylene (use with other solvents is not recommended)
- Ideal for coverslipping machines
- Transport information: dangerous goods

Packing Unit	*Cat. No.*
Bottle of 500 ml (*0.54 kg/net wgt.*)	41-4011-00
Bottle of 1,000 ml (*1.04 kg/net wgt.*)	41-4012-00

Mountex Mounting Medium



- Synthetic, alcohol- and isopropanol-soluble mounting medium
- Suitable for coverslipping from alcohol (use with other solvents is not recommended)
- Bubble-free coverslipping without changing the shape, structure or color of the processed specimen
- Stable preservation of the preparations
- Transport information: dangerous goods

Packing Unit	*Cat. No.*
Bottle of 500 ml (*0.51 kg/net wgt.*)	41-4021-00
Bottle of 1,000 ml (*1.0 kg/net wgt.*)	41-4022-00

X-TRA-Kitt Mounting Medium



- Synthetic, xylene-free mounting medium
- Suitable for covering from X-TRA-Solv (use with other solvents is not recommended)
- Stable conservation of the specimens

Packing Unit	*Cat. No.*
Bottle of 500 ml (*0.69 kg/net wgt.*)	41-5219-00

USEDECALC Special Buffered EDTA Solution



- Special buffered EDTA solution for fast decalcifying of fine histological material
- Reducing the decalcifying time to 50 – 75 % compared to conventional EDTA decalcification
- Maximum preservation of morphological structures
- Specifically developed for immunohistological applications
- pH-neutral and buffered
- Perfect for use with the **MEDITE USE 33** Ultrasonic Decalcifier (further info on page 56)
- Good for up to 2 years when stored away from light at 4 – 25 °C
- Transport information: dangerous goods

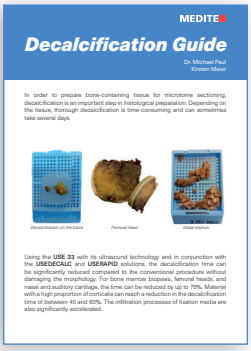
Packing Unit	*Cat. No.*
Can of 5 l (*5.9 kg/net wgt.*)	40-3310-00
Bottle of 1 l	40-3311-00

USERAPID Decalcifying Solution



- Special solution for fast decalcification of histological material
- pH-neutral and buffered
- Decalcifying duration between 1 – 3 hours, depending on sample size
- Maximum preservation of morphological structures
- Perfect for use with the **MEDITE USE 33** Ultrasonic Decalcifier (further info on page 56)
- Good for up to 2 years when stored away from light at 4 – 25 °C
- Transport information: dangerous goods

Packing Unit	*Cat. No.*
Can of 5 l (*5.8 kg/net wgt.*)	40-3300-00
Bottle of 1 l	40-3301-00



Bonus Information:

Decalcification Guide, by Dr Michael Paul and Kirsten Meier

Get more information on how to use the decalcification solutions **USERAPID** and **USEDECALC** in combination with the **USE 33 Ultrasonic Accelerated Decalcifier** (p. 64) in our **MEDITE Decalcification Guide**, available for download on our website. Printed Guides are available on request, please email us at sales@medite.de, **Decalcification Guide**.

To download the PDF, scan the QR code or visit www.medite.de/en/ultrasonic-decalcifying-automat-use-33

new decalc Decalcifying Solution



- Effective, fast-working bone decalcifier
- Acid-based
- Improved tissue protection for routine preparations of histological material
- Excellent depiction of histological details of the stained specimen
- All common fixation methods can be used
- Transport information: dangerous goods

Packing Unit	*Cat. No.*
Bottle of 1,000 ml (*1.14 kg/net wgt.*)	41-5710-00

Xylene



- Isomer mixture for deparaffining histological sections
- Colorless liquid with an aromatic odor that is insoluble in water
- Pure, filled in cans
- Transport information: dangerous goods

Packing Unit	*Cat. No.*
Can of 5 l	41-5412-00
Can of 10 l	41-5413-00

X-TRA-Solv



- Clearing reagent based on isoparaffins for tissue embedding and deparaffining
- Perfect alternative to aromatic solvents for use in histopathology and cytology

Packing Unit	*Cat. No.*
Can of 2.5 l (*2.3 kg/net wgt.*)	41-5211-00
Can of 10 l (*8.0 kg/net wgt.*)	41-5213-00

Isopropyl



- Highly concentrated isopropanol alcohol (at least 99.5 %)
- Isopropanol can be mixed with water and diluted
- Versatile, e.g. as a substitute for ethanol
- Transport information: dangerous goods

Packing Unit	*Cat. No.*
Can of 5 l (*4.3 kg/net wgt.*)	41-5522-00
Can of 25 l (*20.0 kg/net wgt.*)	41-5525-00

Microscope Slide Filing Box



- Extremely sturdy white cardboard box for safe archiving of approx. 1,200 slides of the size 76 x 26 mm in 5 rows
- Stopper to prevent falling and slipping
- Box and lid made of hard cardboad
- Labelling fields on both lid and box
- Dimensions (W/D/H): 295 x 165 x 85 mm

Packing Unit	*Cat. No.*
Carton of 25 boxes	46-5120-00

Paraffin Block Filing Box



- Extremely sturdy white cardboard box
- For safe archiving of 350 paraffin blocks in 8 rows
- Stopper to prevent falling and slipping
- Labelling fields on both parts of the box
- Dimensions (W/D/H): 360 x 290 x 50 mm

Packing Unit	*Cat. No.*
Carton of 25 boxes (ca. *11.0 kg*)	46-5110-00

Slide Filing Maps SAT 04



- Flexible slide filing map made of plastic for 4 slides each
- Packed in a sturdy cardboard box with index field on the front
- Including white index cards for the maps
- Dimensions: Slide Filing Map (W/D): 155 x 107 mm
  Box (W/D/H): 210 x 165 x 115 mm
- More index cards in different colors available on request

Packing Unit	*Cat. No.*
Box of 100 pcs. (ca. 1.48 kg)	46-5130-00

Microscope Slide Box for 100 Slides – Ceesem



- For filing of 100 microscope slides, 76 x 26 mm each
- Consisting of wooden frame, plastic insert and wooden racks
- Lid and base made of strong cardboard

Packing Unit	*Cat. No.*
Box of 20 pcs.	46-5037-00

Microscope Slide Box for 50 Slides – Ceesem



- For filing of 50 microscope slides, 76 x 26 mm each
- Consisting of a wooden frame, plastic insert and wooden racks
- Lid and base made of strong cardboard

Packing Unit	*Cat. No.*
Box of 20 pcs.	46-5036-00

Munich Folder – Ceesem



- For filing of 24 microscope slides, 76 x 26 mm each
- Three rows of 77 x 212 mm
- Made from hard white cardboard
- Lid with three cutouts

Packing Unit	*Cat. No.*
Box of 20 pcs. *(ca. 2.4 kg)*	46-5010-00

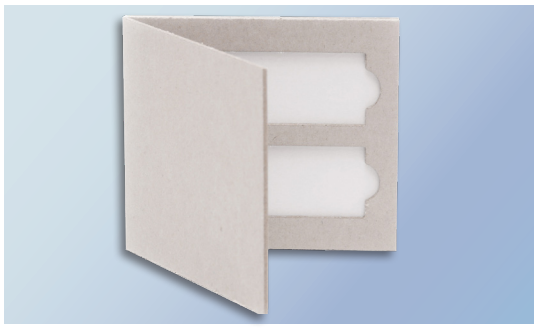
Microscope Slide Folder with Lid – Ceesem



- For filing of 20 microscope slides, 76 x 26 mm
- Made of cardboard
- Lid with embossing

Packing Unit	*Cat. No.*
Box of 20 pcs. *(ca. 4.0 kg)*	48-6008-00

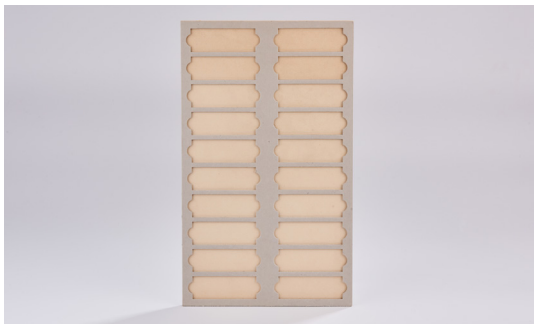
Small Microscope Slide Folder with Lid



- For filing of 2 microscope slides, 76 x 26 mm
- Made of hard cardboard
- With divider and lid

Packing Unit	*Cat. No.*
Box of 20 pcs.	46-5030-00

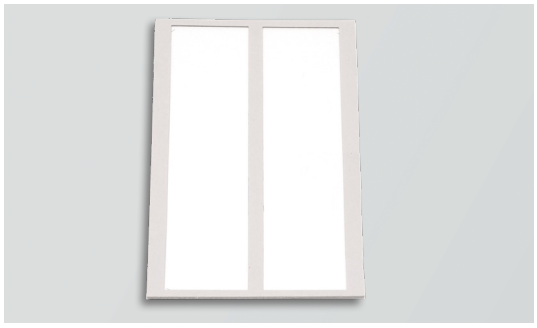
Microscope Slide Board with Dividers – Ceesem



- For filing of 20 microscope slides, 76 x 26 mm each
- Made of hard cardboard
- Two rows with divider and bar

Packing Unit	*Cat. No.*
Box of 20 pcs.	46-5020-00

Microscope Slide Board – Ceesem



- For filing of microscope slides
- Without dividers
- Made from hard cardboard
- Two areas with dividers

Packing Unit	*Cat. No.*
Box of 20 pcs. *(ca. 2.0 kg)*	46-5021-00

Archiving Systems for Microscope Slides and Paraffin Blocks

- The **SLIDE FILE** System is a storage system for save, dust-free archiving of microscope slides for a reasonable period of time
- The **BLOCK FILE** System is a storage system for save, dust-free archiving of paraffin blocks for a reasonable period of time
- The cabinets casings are made of sheet steel in a pleasant light grey color
- Each cabinet comes with connecting holes that can be used for safely mounting one other fully equipped unit on top
- By adding a second unit in height, the space can be used effectively, and slides and blocks can be kept in the same place while remaining in seperate cabinets
- A central lock on top closes all drawers at once, adding extra safety with just one key
- With the drawer safety barrier, only one drawer can be drawn out at a time
- Each drawer can be pulled out 100 %, allowing you to reach slides and blocks at the back end without having to remove previously added slides and blocks
- Full loading capacity is at 200 kg
- Matching number of sorting trays included

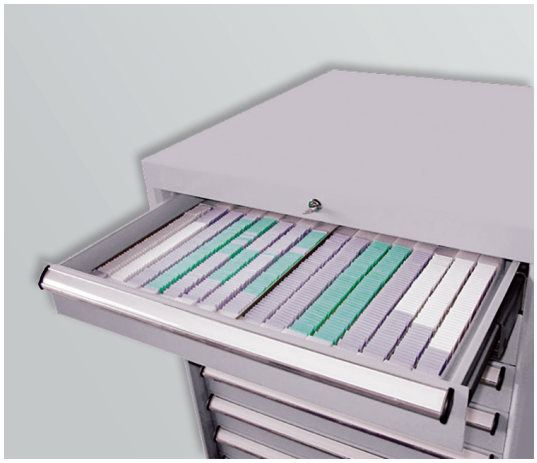
SLIDE FILE



- Storage System for Microscope Slides
- For microscope slides 76 x 26 mm
- Effective drawer height: 85 mm
- Including the matching number of trays for the respective capacity

Dimensions (W/D/H)	*max. Capacity*	*Cat. No.*
725 x 750 x 1,000 mm	79,056 microscope slides (162 trays)	46-5500-00
1,125 x 750 x 1,000 mm	131,760 microscope slides (270 trays)	46-5501-00

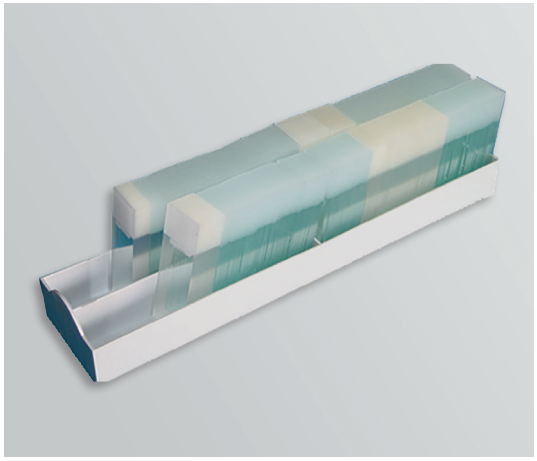
BLOCK FILE



- Storage System for Paraffin Blocks
- Effective drawer height: 105 mm
- The drawer height allows filing in two layers within one drawer
- Including the matching number of trays for the respective capacity

Dimensions (W/D/H)	*max. Capacity*	*Cat. No.*
725 x 750 x 1,000 mm	19,008 paraffin blocks (288 trays)	46-5520-00
1,125 x 750 x 1,000 mm	31,800 paraffin blocks (480 trays)	46-5502-00

Tray for SLIDE and BLOCK FILE



- For filing microscope slides or paraffin blocks neatly in the drawers
- Removable for pre-sorting the content at the workplace
- Designed as double trays and identical for microscope slides and paraffin blocks
- 1 tray = ca. 0.10 kg

Dimensions (W/D/H)	*max. Capacity*	*Cat. No.*
67 x 300 x 40 mm	488 slides or 66 paraffin blocks	47-5510-00

Modular Microscope Slide Archiving System MICROGLASS



- Made of powder-coated sheet metal for archiving microscope slides 76 x 26 mm
- 14 drawers 100 % extendable for filling at the workplace
- Stackable with other units of MICROGLASS or MICROBLOCK
- Capacity: approx. 6,000 slides
- Dimensions (W/D/H): 485 x 480 x 145 mm
- 1 unit = ca. 10.80 kg (empty)

Type	*Cat. No.*
MICROGLASS Filing System for Microscope Slides	47-5105-00

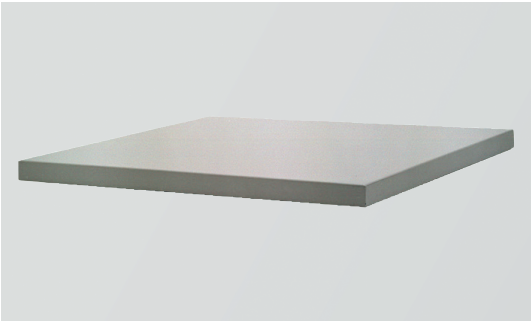
Modular Paraffin Block Archiving System MICROBLOCK



- Made of powder-coated sheet metal for archiving paraffin blocks
- 14 drawers 100 % extendable for filling at the workplace
- Stackable with other units of MICROGLASS or MICROBLOCK
- Capacity: approx. 860 paraffin blocks
- Dimensions (W/D/H): 485 x 480 x 90 mm
- 1 unit = ca. 7.45 kg (empty)

Type	*Cat. No.*
MICROBLOCK Filing System for Paraffin Blocks	47-5100-00

Top Cover for MICROGLASS and MICROBLOCK



- Made of powder-coated sheet metal for archiving microscope slides 76 x 26 mm
- Dimensions (W/D/H): 485 x 480 x 28 mm
- 1 lid = ca. 1.75 kg

Type	*Cat. No.*
Lid for MICROGLASS and MICROBLOCK	47-5101-00

Base for MICROGLASS and MICROBLOCK



- Made of powder-coated sheet metal for archiving microscope slides 76 x 26 mm
- Dimensions (W/D/H): 485 x 480 x 70 mm
- 1 base = ca. 1.65 kg

Type	*Cat. No.*
Base for MICROGLASS and MICROBLOCK	47-5102-00

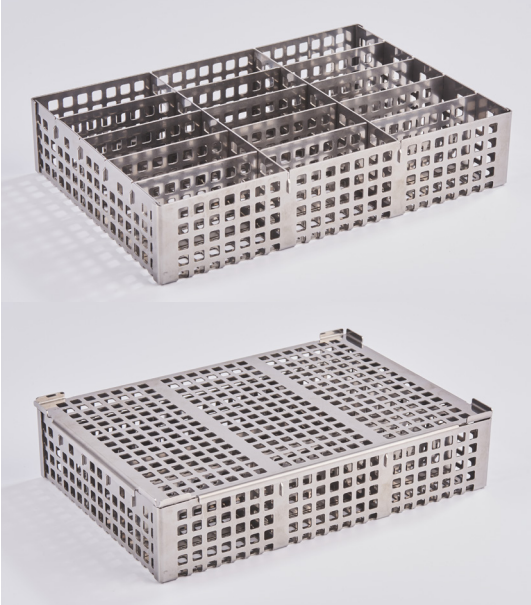
Separation Spiral for MICROGLASS



- For secure storage of microscope slides in drawers
- Dimensions (W/D): 450 x 25 mm
- 1 spiral = ca. 0.14 kg

Type	*Cat. No.*
Separation Spiral for MICROGLASS	47-5113-00

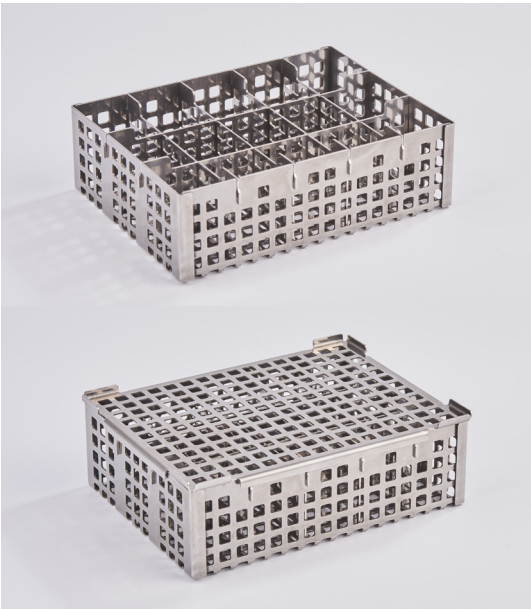
Large specimen processing basket for Sakura TISSUE-TEK VIP®



- Compatible with Sakura TISSUE-TEK VIP® embedding machines
- Divided into 3 x 5 areas
- Capacity: Up to 150 standard embedding cassettes
- Material: Stainless Steel
- Reusable after thorough cleaning
- With lid and divider
- Dimensions (W/D/H): 153 x 220 x 45 mm
- Height of stacking edges: 52 mm

Packing Unit	*Cat. No.*
1 pc.	22-1200-00

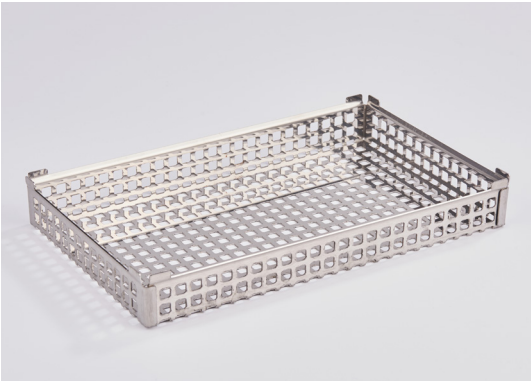
Small specimen processing basket for Sakura TISSUE-TEK VIP®



- Compatible with Sakura TISSUE-TEK VIP® embedding machines
- Divided into 3 x 5 areas
- Capacity: Up to 75 standard embedding cassettes
- Material: Stainless Steel
- Reusable after thorough cleaning
- With lid and divider
- Dimensions (W/D/H): 116 x 153 x 45 mm
- Height of stacking edges: 52 mm

Packing Unit	*Cat. No.*
1 pc.	22-1210-00

Specimen processing basket standard for older Sakura Tissue Processors



- Compatible with older Sakura Tissue Processors
- Capacity: Up to 100 standard embedding cassettes
- Material: Stainless Steel
- Reusable after thorough cleaning
- Without lid and dividers
- Dimensions (W/D/H): 140 x 230 x 27 mm
- Height of stacking edges: 31 mm

Type	*Packing Unit*	*Cat. No.*
No dividers	1 pc.	22-1220-00
With 4 dividers	1 pc.	22-1230-00

TISSUE-TEK VIP® is a registered trademark of SAKURA FINETEK U.S.A., INC., 90501, Torrance, US

Staining Solutions for Cytology



Staining Solution	*Size*	*Packing Unit*	*Cat. No.*
Hematoxylin HARRIS (Papanicolaous 1A)	Bottle of 2.5 liters	Box of 4 bottles	41-6850-00
Papanicolaous 2A OG6	Bottle of 2.5 liters	Box of 4 bottles	41-6750-00
Papanicolaous 2B Orange II	Bottle of 2.5 liters	Box of 4 bottles	41-6720-00
Papanicolaous 3B EA50	Bottle of 2.5 liters	Box of 4 bottles	41-6770-00

1 bottle = ca. 4.1 kg

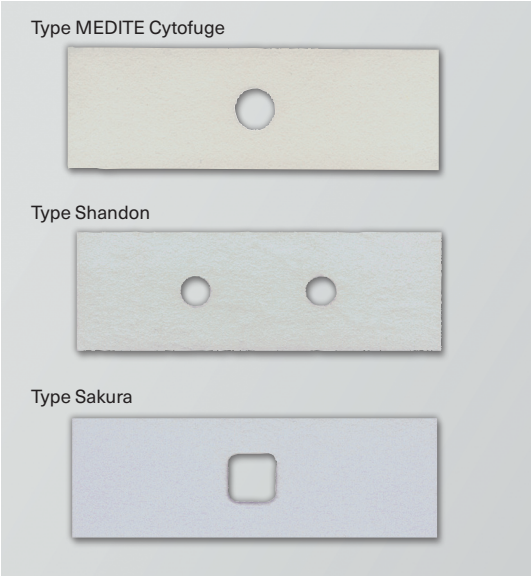
Sprayfix



- Fixation spray for cytological smears and samples
- Now in an environmentally friendly, propellant-free glass bottle
- High productivity and clean work thanks to the spray head
- 1 bottle of 240 ml is sufficient for up to 1500 slides
- Transport information: dangerous goods

Size	*Packing Unit*	*Cat. No.*
Bottle of 240 ml	1 bottle *(ca. 0.35 kg)*	41-2011-00

Filter cards for centrifuges



- Material: filter cardboard
- Absorbs remaining liquids in the specimen chamber
- Different types: - Type MEDITE Cytofuge, for MEDITE Cytofuge Centrifuge
  - Type Shandon, for Shandon-Cytospin™
  - Type Sakura, for Sakura-Cyto-Tek® Cyto Centrifuges

™ registered trademark of Shandon Southern Products Ltd.
® registered trademark of Sakura Finetek Japan Kabushiki Kaisha

Type	*Packing Unit*	*Cat. No.*
MEDITE Cytofuge	Box of 200 pcs.	46-6100-00
Shandon	Box of 200 pcs.	46-6110-00
Sakura	Box of 200 pcs.	46-6130-00

MEDITE Your

Get all supplies from one source – made in Germany



MEDITE products are available for every step of the histological process.



Our range includes the very large devices: tissue processors, stainers and coverslippers, embedding center with heating and cooling surfaces, precise microtomes and powerful cryostats for rapid sectioning.



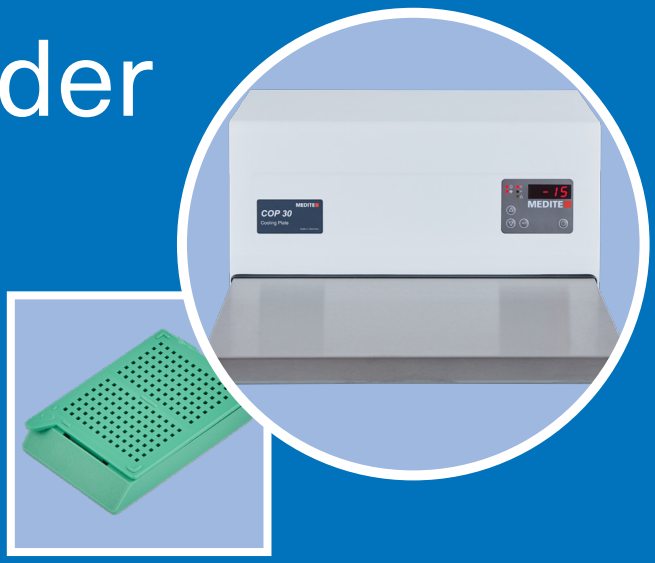
We also consider the intermediate steps: Get your fume absorbers, single cooling and heating surfaces, slide drying ovens, heated forceps and water baths made by **MEDITE**.



www.medite.de

Allround Provider

Our Sales and Service Teams as well as a network of dedicated distributors ensure a well-founded exchange on all questions and concerns.





In addition to our devices, we also provide the relevant consumables that are necessary for a smooth process.



We always make sure to choose consumables that work perfectly with our devices. Get high-quality results with **MEDITE** products!



Personal wishes and needs are important to us. That's why our product consultants are happy to help you find the right device with the right accessories for your demands, and get you in contact with your nearest local **MEDITE** partner!







The **TPC 15** is a closed tissue embedding system for the simultaneous processing of two (**TPC 15 Duo**) or three (**TPC 15 Trio**) protocols. With its great efficiency, the **TPC 15** replaces two pumping embedding machines, or three respectively, for the price of one.

Our system is very flexible and enables the parallel processing of two or three protocols running at the same time. Each protocol offers a capacity of up to 220 standard embedding cassettes. With that, the **TPC 15** contributes to a significant increase in productivity, and keeps maintenance costs and reagent consumption at a very low level.

Magnetic stirrers in the baths ensure rapid infiltration of the reagents. The **TPC 15** has a pressure-vacuum function that can be selected for each step, as well as bath and draining times. The results are impressing with their excellent morphology. Rapid biopsies are possible in less than an hour.

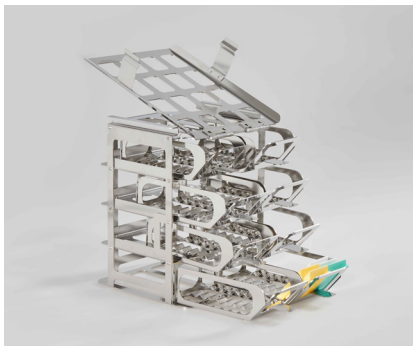
All parameters including beginning and end of a protocol can be selected for each bath station. The **TPC 15** has a built-in exhaust for solvent vapors, with an integrated carbon filter for independent convectional operation, and a connection for external ventilation. The working area of the **TPC 15** is covered by a transparent hood. Each station of the device is also closed with a stainless steel lid.



Standard Sample Basket, Cat. No. 11-1552-00



Sample Basket with 3 inserts, Cat. No. 11-1560-00



Sample Basket with 4 x 2 inserts, Cat. No. 11-1553-00

The intuitive user interface is clearly displayed on the large LCD display. The status of the running programs can be easily followed. An information table is shown for each basket, from which all the main protocol details can be seen.

The process temperature and the vacuum/pressure cycle which accelerates the infiltration can be selected for each step. Programs can be interrupted with access to the tissue samples at any point in the program sequence. The system also ensures the use of short, day, night and weekend protocols and thus enables efficient work in the laboratory routine. In case of power loss during the process, emergency power supply is included to prevent damages.

Technical Data TPC 15 Duo		Cat. No.
Capacity:	- standard cassettes: up to 440 pcs. (2 x 220 cassettes) - mega cassettes: up to 104 pcs. (2 x 52 cassettes) - super mega cassettes: up to 52 pcs. (2 x 26 cassettes)	
Protocols:	15 free protocol memory locations, plus three pre-installed cleaning or recycling protocols	
Charge per Container:	ca. 2.3 liters	
Incubation Period:	5 minutes to 10 hours	
Temperature:	- paraffin : +40 °C to +70 °C - reagents: +40 °C to +50 °C	
Safety:	uninterruptable power supply (UPS)	
Dimensions (W/D/H):	1,290 x 715 x 730 mm	
Weight:	ca. 140 kg	
Power Supply:	230 V / 50 – 60 Hz / 950 VA	04-1540-01
	115 V / 50 – 60 Hz / 950 VA	04-1550-01
Technical Data TPC 15 Trio		
Capacity:	- standard cassettes: up to 660 pcs. (3 x 220 cassettes) - mega cassettes: up to 156 pcs. (3 x 52 cassettes) - super mega cassettes: up to 78 pcs. (3 x 26 cassettes)	
Protocols:	20 free protocol memory locations, plus four pre-installed cleaning or recycling protocols	
Power Supply:	230 V / 50 – 60 Hz / 950 VA	04-1580-00
	115 V / 50 – 60 Hz / 950 VA	04-1590-00
Further technical data are consistent with **TPC 15 Duo**.		

The following accessories are available for use with the **TPC 15**:

Item	*Packing Unit*	*Cat. No.*
Magnetic stirrer	1 pc.	51-1550-00
Carbon filter (disposable)	1 pc.	67-1001-00
Standard sample basket for ca. 220 standard cassettes *(ca. 0.40 kg)*	1 pc.	11-1552-00
Sample basket with 4 x 2 inserts, for ca. 160 standard cassettes *(ca. 1.00 kg)*	1 pc.	11-1553-00
Sample basket with 3 inserts, for ca. 126 standard cassettes *(ca. 0.70 kg)*	1 pc.	11-1560-00
Insert for sample basket 11-1560-00	1 pc.	11-1559-00
Solvent container	1 pc.	11-1550-00
Lid for solvent container	1 pc.	11-1551-00
Working lid for solvent container	1 pc.	11-1555-00



The **TPC 12** Carousel Tissue Processor is an economic solution for reliable specimen processing for histological laboratories with manageable throughput. The round device with its elegant design comes with a transport basket made of stainless steel. It fits up to 120 standard-sized embedding cassettes (**TPC 12 Uno**). By adding a second basket per run (**TPC 12 Duo**), the amount of processed cassettes can be doubled.

Up to 20 protocols can be set, with relevant factors, such as incubation time, drain time, start and end time and paraffin temperature to be adjusted as required. All settings are made via control panel with LCD display. Every protocol can be protected against unintended changes with a password. By adding pauses for draining to the protocol, carry-over of reagents is reduced to a minimum. Agitation is included as standard. In case of power failure, an integrated emergency battery is activated to prevent damages.

The **TPC 12** can be connected to an exhaust system (optional for **TPC 12 Uno**, included with **TPC 12 Duo**). A transparent safety hood protects the tissue samples and liquids against dust while reducing the output of intense odors, and allows full insight at any time of the process (optional for **TPC 12 Uno**, included with **TPC 12 Duo**).

To boost the tissue infiltration, the **TPC 12 Duo** comes with the additional paraffin vacuum feature. It helps to improve the further processing of the samples.





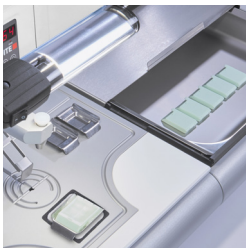
Technical Data TPC 12 Uno		**Cat. No.**
Accessories included:	• Reagent beakers, 2000 ml, 10 pcs. • Paraffin beakers, 2000 ml, 2 pcs. • Transport basket, 1 pc.	
Transport Basket Capacity:	120 standard cassettes per transport basket	
Basket Moving Direction:	clockwise	
Protocols:	20 protocols (adjustable), password protected	
Operating modes:	• Immediate start • Fixed start: delay programmable (up to 999 hrs.) • Fixed end time: delay programmable (up to 99 hrs.) • Quick start (factory programmed protocols)	
Incubation Time:	1 sec. – 99 hrs. 59 min. 59 sec. (adjustable)	
Drain Time:	30 sec. – 59 min. 59 sec.(adjustable)	
Temperature Paraffin Beaker:	+40 °C – +80 °C (adjustable)	
Operating Temperature:	+10 °C – +35 °C	
Dimensions (W/D/H):	850 x 850 x 570 mm	
Weight:	ca. 80 kg (net weight)	
Power Supply:	100 – 240 V AC (+/-10 %) / 50 – 60 Hz / 250 VA	45-1200-00
Technical Data TPC 12 Duo		
Accessories included:	• Reagent beakers, 2000 ml, 9 pcs. • Paraffin beakers, 2000 ml, 3 pcs. • Transport basket, 2 pc. • Safety hood, Plexiglas® • Exhaust ventilation with charcoal filter • Vacuum system for paraffin beakers	
Dimensions (W/D/H):	850 x 850 x 570 mm	
Weight:	ca. 80 kg (net weight)	
Power Supply:	100 – 240 V AC (+/-10 %) / 50 – 60 Hz / 250 VA	45-1201-00
Further technical data are consistent with **TPC 12 Uno**.		

The following accessories are available for use with the **TPC 12**:

Item	*Packing Unit*	*Cat. No.*
Reagent beaker, made of plastic (POM), white	1 pc.	45-1210-00
Labelling set for reagent beakers	1 pc.	45-1211-00
Heated paraffin beaker, made of aluminum	1 pc.	45-1212-00
Transport basket, made of stainless steel	1 pc.	45-1213-00
Lid for transport basket	1 pc.	45-1214-00
Safety Hood, Plexiglas®	1 pc.	45-1215-00
Exhaust ventilation with charcoal filter	1 pc.	45-1216-00
Transport basket organizer, for 65 standard cassettes	1 pc.	45-1217-00



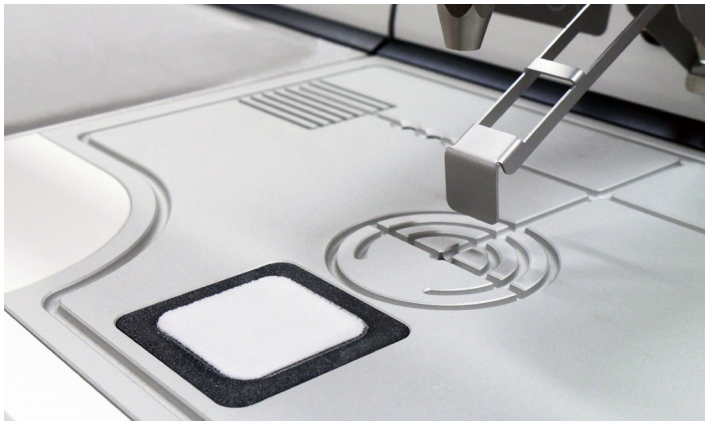




The **TES 99** is a reliable and robust **three-piece** paraffin embedding center, consisting of units for heating, dispensing and cooling of tissue samples in paraffin. The units can be arranged individually in order to optimize the work process for personal preferences, e.g. to optimize for left-handed operation. Each unit works independently with own temperature control, and can therefore be used as a single device in the laboratory. The work surfaces are designed ergonomically to prevent fatigue after long periods of use.

The dispenser unit has a very large paraffin tank with a capacity of **5.7 liters**. Paraffin can be dispensed from the outlet tap either manually or by foot switch. Blocks that already solidified can be placed onto the flat heated outlet tap to be melted again. Excess paraffin on the cassettes can be scraped off in the designated rippled area on the work surface.

An adjustable LED lamp is included on the dispenser unit to illuminate the dispensing area. Magnifying glass (available seperately) can be attached to the lamp. Two connections for heated forceps and six forceps slots are easily accessible around the outlet tap. The large square cooling point is in the middle. It reaches down to -5 °C. Excess paraffin is caught in a drawer under the dispenser during operation to keep the surrounding area clean.

The cooling unit offers space for up to 110 paraffin blocks that can be cooled at a maximum freezing temperature of -15 °C on the stainless steel surface.

The heating unit has a spacious preheating chamber for embedding molds as well as a cassette depot with removable cassette container made of stainless steel. Embedding cassettes and almost any type of sample baskets can be accommodated in it. The cassette depot is closed with a cover that can be opened and closed to ensure temperature stability.

In addition to its attractive design, the **TES 99** also impresses with its high functionality and quality. Insulated hand rests allow you to work comfortably even when used for a longer period of time. The housing is made of powder-coated, easy-to-clean sheet metal.

Technical Data Cooling Plate		Cat. No.
Temperature:	max. -15 °C	
Dimensions Cool Plate (W/D):	500 x 260 mm	
Dimensions Overall (W/D/H):	500 x 545 x 330 mm	
Weight:	ca. 27 kg	
Power Supply:	230 V / 50 – 60 Hz / 320 VA	02-9741-00
	115 V / 50 – 60 Hz / 320 VA	02-9751-00
Technical Data Paraffin Dispenser		
Capacity Paraffin Tank:	5.7 liters	
Temperature Paraffin Tank:	+30 °C to +70 °C	
Temperature Cold Spot:	ca. -5 °C	
Dimensions Cold Spot (W/D):	40 x 40 mm	
Forceps:	2 connections for heated forceps, slots for 6 forceps	
Dimensions Work Area (W/D):	360 x 245 mm	
Dimensions Overall (W/D/H):	360 x 545 x 330 mm	
Weight:	ca. 24 kg	
Power Supply:	230 V / 50 – 60 Hz / 350 VA	02-9725-00
	115 V / 50 – 60 Hz / 350 VA	02-9735-00
Technical Data Thermal Unit		
Temperature Preheating Chamber:	+30 °C to +70 °C	
Temperature Cassette Container:	+30 °C to +75 °C	
Dimensions Preheating Chamber (W/D/H):	305 x 205 x 115 mm	
Dimensions Cassette Container (W/D/H):	290 x 235 x 45 mm	
Dimensions Overall (W/D/H):	360 x 545 x 330 mm	
Weight:	ca. 22 kg	
Power Supply:	230 V / 50 – 60 Hz / 750 VA	02-9760-00
	115 V / 50 – 60 Hz / 750 VA	02-9770-00

The following accessories are available for use with the **TES 99**:

Item	*Packing Unit*	*Cat. No.*
Magnifier (4 diopters) for round lamp (dispenser unit)	1 pc.	46-0088-02
Heated forceps, tip 0.5 mm Ø	1 pc.	43-0015-00
Heated forceps, tip 1 mm Ø	1 pc.	43-0011-00
Heated forceps, tip 2 mm Ø	1 pc.	43-0012-00
Heated forceps, tip 4 mm Ø	1 pc.	43-0014-00
Heat protection shield for dispenser unit	1 pc.	37-0479-00
Tissue Tamper XL, 24 x 24 mm	1 pc.	46-0913-00
Tissue Tamper L, 19 x 19 mm	1 pc.	46-0910-00
Tissue Tamper M, 13 x 13 mm	1 pc.	46-0911-00
Tissue Tamper S, 7 x 7mm	1 pc.	46-0912-00







The **eCep** is a handy tool for use in the tissue embedding process. It consists of a control unit and electrically heated forceps. The targeted electronic heating of the forceps tip keeps the handle pleasantly cool.

When in use, the forceps reach a temperature of between 65 °C and 68 °C. The concentrated warmth prevents damage to the tissue. It is also warm enough to melt the paraffin it comes in contact with, making it easy to adjust the tissue within the embedding mold with no paraffin sticking to the tip.

Forceps and control unit are available as a set or seperately as addition to existing devices. Every control unit comes with two connectors, making it easy to be shared between two users at a time. The forceps, available in different tip sizes, can also be connected to the **TES 99** Dispenser Unit.

Technical Data eCep Control Unit		**Cat. No.**
Temperature:	up to +68 °C	
Dimensions Overall (W/D/H):	123 x 162 x 57 mm	
Weight:	ca. 1.1 kg	
Power Supply:	115 – 230 V / 50 – 60 Hz	43-0021-00

The following options are available for the **eCep**:

Item	*Packing Unit*	*Cat. No.*
Complete system with control unit and forceps, 0.5 mm Ø	1 pc.	43-0005-01
Complete system with control unit and forceps, 1 mm Ø	1 pc.	43-0001-01
Complete system with control unit and forceps, 2 mm Ø	1 pc.	43-0002-01
Complete system with control unit and forceps, 4 mm Ø	1 pc.	43-0004-01
Control unit	1 pc.	43-0021-00
Heated forceps, tip 0.5 mm Ø	1 pc.	43-0015-00
Heated forceps, tip 1 mm Ø	1 pc.	43-0011-00
Heated forceps, tip 2 mm Ø	1 pc.	43-0012-00
Heated forceps, tip 4 mm Ø	1 pc.	43-0014-00



The Cool Unit **MKF 20** is designed for seamless integration into the work bench. With it, the work place becomes a more optimized work station, supporting laboratories with frequent cooling processes.

With its surface made of stainless steel, the **MKF 20** adapts to the quality standards of the modern laboratory. Depending on the individual demands, the Cooling Unit can be installed either longitudinal or lateral.

The **MKF 20** cools down to -10 °C, keeping the temperature steady permanently to ensure a consistent cooling procedure throughout the everyday workflow. By integrating seamlessly into the work bench, the **MKF 20** does not take away any space and offers an additional storage area when it is not in use.

Technical Data		**Cat. No.**
Temperature:	down to - 10 °C	
Dimensions:		
- Cooling Plate (W/D):	350 x 230 mm	
- Table Excerpt (W/D):	330x 210 mm	
- Installation Depth:	320 mm	
Weight:	ca. 15 kg	
Power Supply:	230 V / 50 – 60 Hz / 125 VA	02-2000-00
	115 V / 50 – 60 Hz / 180 VA	02-2100-00

COP 30 Cooling Plate



The **COP 30** is a simple yet powerful cooling plate. It is ideal for cooling paraffin blocks in embedding molds right after dispensing, in order to prepare them for sectioning with the microtome, and makes a great addition to the workplace.

Within ca. 30 minutes, the working temperature of -15 °C can be reached. The large polished stainless steel surface offers space for up to 100 standard paraffin blocks. Without any limitations to the left, right and front, the blocks can easiliy be placed and sorted. A circumferential heating tape prevents the edge area from icing up.

The **COP 30** is controlled via an intuitive membrane keyboard to set the desired temperature. During the operation, the current temperature is shown in a digital display above the cooling surface. The flat housing top offers additional space for small tools and accessories used in the process.

Technical Data COP 30		**Cat. No.**
Temperature:	down to -15 °C	
Dimensions Cooling Plate (W/D/H):	440 x 300 x 47 mm	
Dimensions overall (W/D/H):	450 x 600 x 235 mm	
Weight:	ca. 23 kg	
Power Supply:	230 V / 50 – 60 Hz / 300 VA	02-1030-00
	115 V / 50 – 60 Hz / 300 VA	02-1130-00



The deep cooling unit **TKF 22** is used in the histological laboratory for rapid freezing of paraffin blocks. Up to 180 paraffin blocks fit into the seamless, deep-drawn cooling tray that is made of easy to clean stainless steel. The powerful cooling unit ensures a maximum cooling temperature of -35 °C (depending on the ambient temperature) that is achieved in ca. 10 minutes.

The **TKF 22** has a precise electronic temperature control with high constancy. Temperatures can be set and adjusted on the control panel with the easy-to-use membrane keyboard. It includes a digital display and is positioned right above the cooling tray, making it easy to access and read at any time.

Technical Data TKF 22		**Cat. No.**
Temperature:	down to -35 °C	
Dimensions Cooling Tray (W/D/H):	300 x 327 x 40 mm	
Dimensions overall (W/D/H):	400 x 645 x 250 mm	
Weight:	ca. 23.5 kg	
Power Supply:	230 V / 50 – 60 Hz / 450 VA	02-3000-00
	115 V / 50 – 60 Hz / 450 VA	02-3100-00

The following accessories are available for use with the **TKF 22**:

Item	*Packing Unit*	*Cat. No.*
Stainless Steel Insert for 20 paraffin blocks for organizing and cooling	Set of 7 inserts	28-8242-00
Glass Lid	1 pc.	28-8241-00

Cryostat M630 Semi-automatic Floor Standing Cryostat



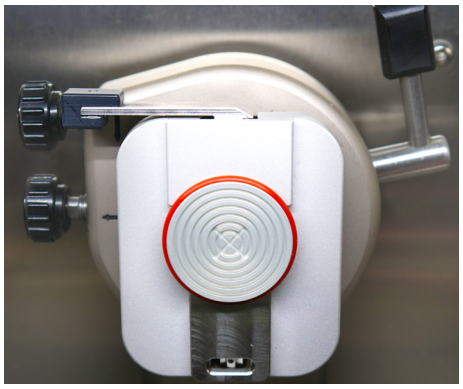
The **Cryostat M630** is an extensively equipped laboratory device for high-speed cryo sections with a powerful cooling unit and a high-precision, semi-automatic microtome. The standard model comes with a specimen clamp with fine adjustment, and UV light disinfection. With plenty of free room at knee height, the **Cryostat M630** can be used in a sitting position as well as standing position. As special feature, two fixed height adjustments are available, in order to adjust the **Cryostat M630** as best as possible to the comfort of the main user.

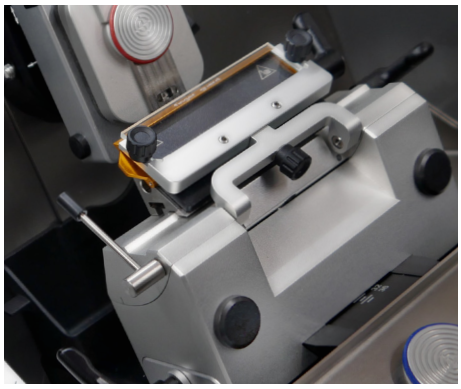
The cooling chamber of the **Cryostat M630** is illuminated with an LED light strip, the brightness of which can be dimmed up or down. The powerful cooling unit reaches a temperature of down to -35 °C. Inside the cooling chamber is a deep freezing rail with 20 positions for tissue samples. Two additional quick freeze positions can cool down to 20 °C below chamber temperature and can be set separately.

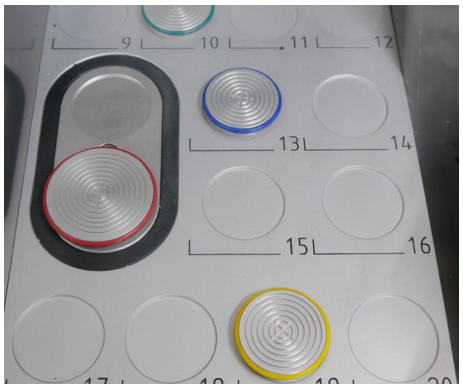
The cooling chamber is closed with a safety glass pane that is heated and thus prevents the formation of condensation on the pane.

Microtome and cooling chamber are operated and set using two separate touch displays. They are positioned above the cooling chamber for easy access and intuitive to use.

The **Cryostat M630** can be defrosted automatically using a timer function or manually. The smooth stainless steel surfaces of the cooling chamber allow easy cleaning and disinfection. Any condensation that may arise during operation is drained to a collecting bottle via the integrated drainage system.







An easy-going handwheel is included for using the microtome. It is lockable to prevent unintentional movements, protecting samples and users. The horizontal feed and sample retraction are motorized.

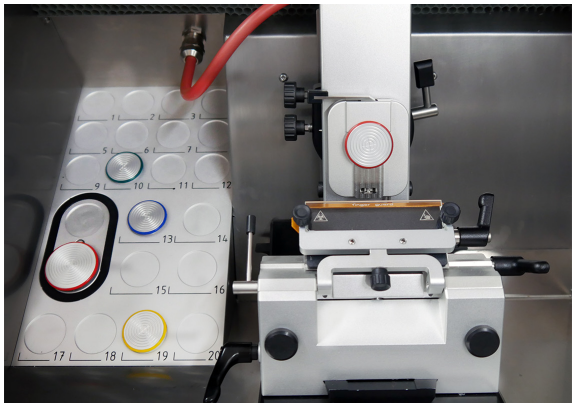
A fine adjustment mechanism is already integrated as standard with the specimen clamp holder. The specimen clamp can be aligned horizontally and vertically and is characterized by its particular stability. The blade holder can be easily corrected using an angle mark. The blade clamp is adjustable via grids in order to use the blade precisely and to its full extent. It also has a manual guard.

The **Cryostat M630** has low energy consumption and is both resource-saving and quiet. Inlcuded in the delivery are five sample holders and a magnetic brush for the safe exchange of microtome blades. Blade holders are available separately.

Technical Data		Cat. No.
Microtome		
Fine Section Thickness Setting Range:	from 1 µm to 100 µm in 1 µm steps	
Trimming Section Thickness Setting Range:	from 5 µm to 100 µm in 5 µm steps from 100 µm to 500 µm in 50 µm steps	
Specimen Retraction:	25 µm	
Horizontal Specimen Feed:	30 mm	
Vertical Stroke:	70 mm	
Specimen Orientation:	360° in Z and 8° in X and Y axes	
Cryo Chamber		
Cooling Capacity:	down to -35 °C (+/- 1 °C) at a room temperature of 20 °C	
Defrost Function:	automatically (time controlled) or manually	
Deep Freezing Rail:	22 positions, including 2 quick freeze positions	
Temperature Quick Freeze Positions:	ca. 20 °C below chamber temperature	
Overall		
Working Height (front edge of cooling chamber):	1,035 mm standard, adjustments possible	
Dimensions (W/D/H):	650 x 840 x 1120 mm	
Weight:	ca. 127 kg	
Power Supply:	230 V / 50 - 60 Hz	04-5300-01
	115 V / 50 - 60 Hz	04-5200-01

The following accessories are available for use with the **Cryostat M630**:

Item	*Packing Unit*	*Cat. No.*
Blade Holder Cryostat for Microtome Blades, Low Profile	1 pc.	39-0124-00
Combination Blade Holder Cryostat, High and Low Profile	1 pc.	24-3366-00
Universal Knife Holder for High and Low Profile	1 pc.	24-3458-00
Standard Knife Holder N	1 pc.	24-3500-00
Anti-roll guide, two-armed	1 pc.	24-3260-00
Sample holder 30 mm red	1 pc.	39-0136-00
Sample holder 40 mm red	1 pc.	39-0138-00
Magnetic Brush for Cleaning and safe removal of blades	1 pc.	51-0046-00



- Semi-automatic Cryostat with **integrated object cooling**
- Additional concentrated cooling directly at the object clamp
- Ergonomically valuable free space for legs
- Adjustable footrest, swivel-type
- Deep freezing rail with 20 positions
- Two quick freezing positions, max. -65 °C
- Heated arm rest
- Cat. No. 04-5400-00 / 230 V, 04-5410-00 / 115 V

Microtome M530 Semi-Automatic Rotary Microtome







The semi-automatic **Microtome M530** is the standard device for use in histology and histopathology as well as in research laboratories and in industrial quality assurance. Horizontal feed and retraction are motorized while the vertical cutting stroke is carried out manually, using a smooth-running handwheel. This enables an adapted and sensitive cutting movement, controlled by the user. The handwheel can easily be locked in any position using a spring lever.

The proven, high-precision microtome mechanics of the **Microtome M530** are made in Germany, and ensure maximum sectioning quality for continuously high sample throughput.

The device impresses with its high functionality and attractive design that is focused on offering optimal ease of use. Relevant settings can be adjusted via the intuitively operated membrane keyboard with digital display. You can switch between fine and coarse adjustment at the push of a button. Up to three sectioning positions can be saved with the memory function and approached again at the push of a button. The retraction can be selected variably. Sections are automatically counted.

A fine adjustment mechanism is already integrated as standard feature of the specimen clamp holder. The specimen clamp can be aligned horizontally and vertically and is characterized by its particular stability. The blade holder can be easily corrected using an angle mark. The blade clamp is adjustable via grids for precise and complete use of the blade and has a manual guard. Additionally, a cooled object clamp is available to ensure the continued temperature stability of the paraffin block.

Section waste is collected in the large tray at the front of the **Microtome M530** to keep the work area free. It can easily be removed for emptying and cleaning.

Overall, the **Microtome M530** enables high-quality sections to be produced quickly and safely thanks to its precise operation. Included in the delivery is a pack of sample blades, and a helpful brush with a magnet that makes it easier to safely replace the sharp microtome blades.

Different versions of specimen clamps and blade holders are available separately depending on the application and customer requirements.

Technical Data Microtome M530		Cat. No.
Fine Section Thickness Setting Range:	from 0.5 µm to 5 µm in 0.5 µm steps from 5 µm to 100 µm in 1 µm steps	
Trimming Section Thickness Setting Range:	from 0 µm to 100 µm in 5 µm steps from 100 µm to 600 µm in 50 µm steps	
Horizontal Specimen Feed:	30 mm	
Vertical Stroke:	70 mm	
Object Clamp Fine Adjustment:	0 – 8° in X / Y axis	
Blade Holder Setting Angle:	mechanically 0 – 15°, marked 6 – 12°	
Dimensions incl. Tray (W/D/H):	377 x 530 x 281 mm	
Weight	ca. 27 kg	
Power Supply:	110 ... 240 VAC / 50 – 60 Hz	03-4000-01

The following accessories are available for use with the **Microtome M530**:

Item	*Packing Unit*	*Cat. No.*
Universal Cassette Clamp, for Standard Cassettes	1 pc.	24-3232-00
Object Clamp for Mega Cassettes	1 pc.	24-0400-00
Standard Object Clamp without Adapter Jaws	1 pc.	24-3030-02
Adapter Jaws Straight, for Object Clamp No. 24-3030-02	1 pc.	24-3414-00
Adapter Jaws V Shape, for Object Clamp No. 24-3030-02	1 pc.	24-3415-00
Cooled Object Clamp for Microtomes	1 pc.	24-3155-01
Blade Holder complete with base for Microtome Blades, Low Profile	1 pc.	24-3230-00
Blade Holder (top part), Low Profile, single	1 pc.	24-3453-00
Combination Blade Holder complete with base, High and Low Profile	1 pc.	24-3360-00
Universal Blade Holder (top part) for High and Low Profile	1 pc.	24-3458-00
Standard Knife Holder N for stainless steel knives	1 pc.	24-3500-00
Magnetic Brush for cleaning and safe removal of Blades	1 pc.	51-0046-00
Microtome Hood for covering	1 pc.	24-3151-00

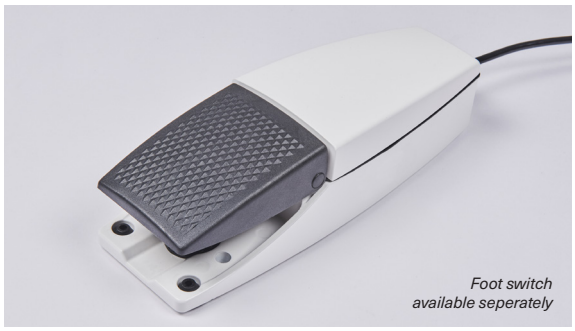
Perfect match: **TissueCut® Microtome Blades!**

At **MEDITE**, you can get the high-quality Japanese disposable microtome blades in a practical dispenser in many varieties at an affordable price. Further information can be found on **page 10** of this catalog!



Microtome A550 Fully Automatic Rotary Microtome





Foot switch available seperately



The fully automatic **Microtome A550** is the premium model for use in histology and histopathology as well as in research laboratories and in industrial quality assurance. With this microtome version, both the horizontal feed and retraction and the vertical cutting stroke are motorized. This means physical relief for the user during intensive, long-term use. Alternatively, the cutting stroke can also be carried out manually using the smooth-running handwheel, if, for example, sensitive cuts are necessary for very fragile tissue samples. The handwheel can easily be locked in any position using a spring lever. The proven, high-precision microtome mechanism is developed and produced in Germany and ensures maximum sectioning quality for continuously high sample throughput.

The **Microtome A550** impresses with its high functionality and attractive design that are focused on optimal ease of use. Settings relevant to the sections are entered via the intuitively operated membrane keyboard with digital display. The background color is freely selectable.

The upper rotary push button on the left is used to switch between fine and coarse adjustment and to scroll through the menu. With the middle, larger rotary push button, the specimen clamp is simply moved back and forth. This can also be done using the keyboard. The sectioning speed can be set with the lower rotary push button and two different speeds can be selected for trimming and fine sectioning.

Up to three positions can be saved with the memory function and moved to again at the push of a button. The retraction can be selected variably, sections are counted automatically. The start and stop function of the vertical cutting stroke can alternatively be operated via the keyboard or the optional foot switch. The sectioning speed is infinitely variable.



A fine adjustment mechanism is already integrated as standard feature of the specimen clamp holder. The specimen clamp can be aligned horizontally and vertically and is characterized by its particular stability. The blade holder can be easily corrected using an angle mark. The blade clamp is adjustable via grids in order to use the blade precisely and completely. It has a manual protection device.

Section waste is collected in the large tray on the front of the **Microtome A550** to keep the work area free. It can easily be removed for emptying and cleaning.

Overall, the **Microtome A550** enables high-quality sections to be efficiently produced quickly and safely thanks to the precise and automated mode of operation. Included in the delivery is a helpful brush with a magnet that makes it easier to safely replace the sharp microtome blades. Different versions of specimen clamps and blade holders are available separately depending on the application and customer requirements. Additionally, a cooled object clamp is available to ensure the continued temperature stability of the paraffin block.

Technical Data Microtome A550		Cat. No.
Fine Section Thickness Setting Range:	from 0.25 µm to 2 µm in 0.25 µm steps from 2 µm to 10 µm in 0.5 µm steps from 10 µm to 100 µm in 1 µm steps	
Trimming Section Thickness Setting Range:	from 0 µm to 20 µm in 1 µm steps from 20 µm to 100 µm in 5 µm steps from 100 µm to 600 µm in 10 µm steps	
Horizontal Specimen Feed:	30 mm	
Vertical Stroke:	70 mm	
Object Clamp Fine Adjustment:	0 – 8° in X / Y axis	
Blade Holder Setting Angle:	mechanically 0 – 15°, marked 6 – 12°	
Dimensions incl. Tray (W/D/H):	377 x 530 x 281 mm	
Weight:	ca. 34 kg	
Power Supply:	110 ... 240 VAC / 50 – 60 Hz	03-4100-01

The following accessories are available for use with the **Microtome A550**:

Item	*Packing Unit*	*Cat. No.*
Universal Cassette Clamp, for Standard Cassettes	1 pc.	24-3232-00
Object Clamp for Mega Cassettes	1 pc.	24-0400-00
Standard Object Clamp without Adapter Jaws	1 pc.	24-3030-02
Adapter Jaws Straight, for Object Clamp No. 24-3030-02	1 pc.	24-3414-00
Adapter Jaws V Shape, for Object Clamp No. 24-3030-02	1 pc.	24-3415-00
Cooled Object Clamp for Microtomes	1 pc.	24-3155-01
Blade Holder complete with base for Microtome Blades, Low Profile	1 pc.	24-3230-00
Blade Holder (top part), Low Profile, single	1 pc.	24-3453-00
Combination Blade Holder complete with base, High and Low Profile	1 pc.	24-3360-00
Universal Blade Holder (top part) for High and Low Profile	1 pc.	24-3458-00
Standard Knife Holder N for stainless steel knives	1 pc.	24-3500-00
Foot Switch	1 pc.	24-3331-50
Magnetic Brush for cleaning and safe removal of Blades	1 pc.	51-0046-00
Microtome Hood for covering	1 pc.	24-3151-00

Perfect match: **TissueCut® Microtome Blades!**

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Microtome M380 Manual Rotary Microtome







With its high-precision microtome mechanics, the manual **Microtome M380** is ideally suited for manual sectioning in the laboratory. Since it does not require power supply to be used, it can be set up and used flexibly at any workstation. Horizontal feed and retraction are done mechanically, the vertical sectioning stroke is done manually using the smooth-running handwheel. This enables an adapted and sensitive sectioning movement, controlled by the user. Its proven, high-precision microtome mechanism is developed and manufactured in Germany and ensures maximum sectioning quality.

The specimen can be aligned to the desired position using the trim wheel on the left. The mechanical slice thickness regulator is clearly visible above the specimen clamp to easily set the µ number. Then, the fine sections can be carried out with the handwheel on the right-hand side. The handwheel is characterized by its ergonomic position and ease of movement, and can be easily locked in any position using a spring lever.

A fine adjustment mechanism is already integrated as standard feature of the specimen clamp holder. The specimen clamp can be aligned horizontally and vertically and is characterized by its particular stability. The blade holder can be easily corrected using an angle mark. The blade clamp is adjustable via grids in order to use the blade precisely and completely. It has a manual protection device.

Section waste is collected in the large tray at the front of the **Microtome M380** to keep the work area free. It can easily be removed for emptying and cleaning.

Overall, the **Microtome M380** enables high-quality sections to be produced quickly and safely thanks to the precise mechanical operation. Included in the delivery is a helpful brush with a magnet that makes it easier to safely replace the sharp microtome blades.

Different versions of specimen clamps and blade holders are available separately depending on the application and customer requirements.

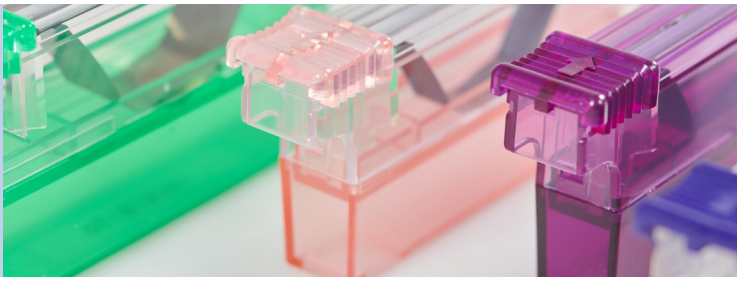
Technical Data Mikrotom M380		Cat. No.
Setting Range:	from 0.5 µm to 2 µm in 0.5 µm steps from 2 µm to 10 µm in 1 µm steps from 10 µm to 20 µm in 2 µm steps from 20 µm to 60 µm in 5 µm steps	
Horizontal Specimen Feed:	30 mm	
Vertical Stroke:	70 mm	
Object Clamp Fine Adjustment:	0 – 8° in X / Y axis	
Blade Holder Setting Angle:	mechanically 0 – 15°, marked 6 – 12°	
Dimensions inkl. Tray (W/D/H):	377 x 530 x 281 mm	
Weight:	ca. 27 kg	03-4200-00

The following accessories are available for use with the **Microtome M380**:

Item	*Packing Unit*	*Cat. No.*
Universal Cassette Clamp, for Standard Cassettes	1 pc.	24-3232-00
Object Clamp for Mega Cassettes	1 pc.	24-0400-00
Standard Object Clamp without Adapter Jaws	1 pc.	24-3030-02
Adapter Jaws Straight, for Object Clamp No. 24-3030-02	1 pc.	24-3414-00
Adapter Jaws V Shape, for Object Clamp No. 24-3030-02	1 pc.	24-3415-00
Cooled Object Clamp for Microtomes	1 pc.	24-3155-01
Blade Holder complete with base for Microtome Blades, Low Profile	1 pc.	24-3230-00
Blade Holder (top part), Low Profile, single	1 pc.	24-3453-00
Combination Blade Holder complete with base, High and Low Profile	1 pc.	24-3360-00
Universal Blade Holder (top part) for High and Low Profile	1 pc.	24-3458-00
Standard Knife Holder N for stainless steel knives	1 pc.	24-3500-00
Magnetic Brush for cleaning and safe removal of Blades	1 pc.	51-0046-00
Microtome Hood for covering	1 pc.	24-3151-00

Use **TissueCut® Microtome Blades** for high-quality sections**!**

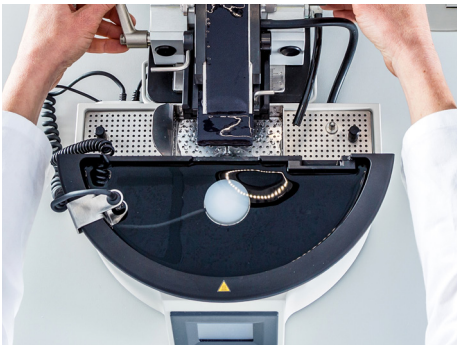
The Japanese disposable blades are availble in different types for all kinds of applications. Find your perfect match on **page 10** in this catalog!



AQ 540 Section Transfer System







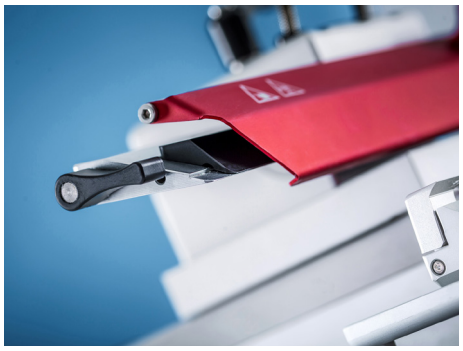
The **AQ 540** Section Transfer System provides the solution to the daily challenges of cutting demanding paraffin sections. It consists of a special blade holder for disposable blades with integrated transfer bridge and a heated waterbath, and can be attached for use in combination with the fully automatic **Rotary Microtome A550** (Cat. No. 03-4100-01).

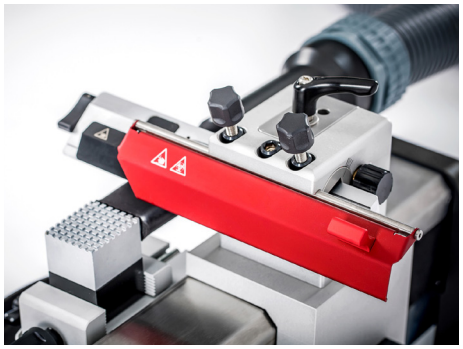
The section is already stretched during the process due to the laminar water film. The volume flow of the water film can be always adjusted according to match the cutting requirements.

When the transfer bridge is open, the wet cutting waste is led straight into the waste container and accumulates there by collapsing in on itself. This reduces the volume significantly. Frequent emptying of the cutting waste container is no longer necessary.

With the bridge closed, the selected section slides gently directly into the temperature-controlled water bath. In the illuminated water bath the section can be evaluated and selected. The high-quality sections can now be easily handled in the accustomed manner. All settings are carried out via the touch display on the front.

Technical Data		Cat. No.
Bath temperature:	up to 50 °C	
Bath volume:	750 ml	
Pump reservoir volume:	570 ml	
Required liquid:	demineralized or distilled water	
Flow rate:	0 – 500 ml/min	
Dimensions without transfer bridge, blade holder, incl. lid (W/D/H)	300 x 235 x 128 mm (basic device mounted on microtome)	
	300 x 280 x 128 mm (basic device mounted on microtome)	
Weight:	ca. 5 kg (basic device without transfer bridge, blade holder, incl. lid)	
Power supply:	110 – 240 V / 50 – 60 Hz	03-4190-00







The manual sliding **Microtome S180** is designed for all applications in routine, research or industry, always focusing on the needs of the user. The precise mechanisms together with the smooth operation are contributing to best quality sections every day.

Features like the specimen orientation for quick alignment on the x and y axis are included as standard components. To prevent injuries, the signalred finger guard is included in the blade holder.

Also included in the standard equipment is the tray that collects the sectioning waste, and fits perfectly to the housing. It is quick to be removed and reattached for daily cleaning.

All settings are within comfortable reach of the user when using the **Microtome S180**, and very easy to adjust. Clear markings indicate the values on the setting wheels for the sectioning thickness and the coarse feed. For safety during the sectioning process with this highly precise instrument, an easily accessible brake is positioned within comfortable reach.

Technical Data		**Cat. No.**
Section thickness settings:	0 – 15 µm in 1 µm steps	
	15 – 60 µm 5 µm steps	
Automatic feed:	0 – 60 µm	
Specimen feed:	30 mm	
Maximum specimen size:	50 x 70 x 20 mm	
Specimen orientation:	+/- 8°	
Length of cutting way:	180 mm	
Dimensions (W/D/H):	150 / 450 x 200 mm	
Weight:	18 kg	03-4300-00

MCP 450 Cassette Printer Laser Printer for Embedding Cassettes

Printing is the easiest way for long-lasting labelling of embedding cassettes. With the **MCP Cassette Printer** and its UV laser printing technology, embedding cassettes can be labeled super-fast with a durable inscription in batches or single.



The **MCP Cassette Printer** comes with templates that can be directly edited via touch screen. Data can also be shared via connection to existing information systems (LIS/HIS/PIS). Up to 15 cassettes can be printed per minute. The current print process can be monitored and paused or canceled if neccessary.

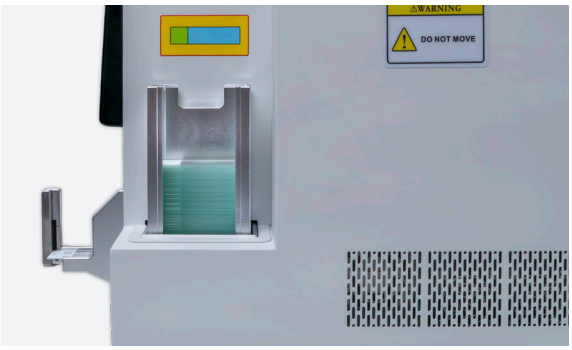
Printed information is particularly durable and prevents errors caused by illegible manual markings. Using UV laser printing technology eliminates regular costs that usually arise with ink printing, such as the costly replacement of print heads or refilling consumables (e.g. ink cartridges, ribbons). Not only does this reduce the utility expenses significantly, there is also no risk of ink-related errors such as smudging, untimely color fading, ink blackouts or else.

The large model **MCP 450 Cassette Printer** magazine is easy to load and can hold a capacity of up to 75 cassettes per slot. This arrangement offers great flexiblity by loading up to six different types or colors of cassettes (one kind per slot). For laboratories with a lower throughput, a smaller model with only one magazine **MCP 075 Cassette Printer** is also available.

The output tray on the front of the **MCP Cassette Printer** fits up to 120 cassettes. Sorted by the concept of first in – first out, the first printed cassette is put in the first row of the tray while the following cassettes come out are sorted in rows of chronological order. This sorting allows printing to continue while finished cassettes can already be taken out. A second output tray is included to continue the process while the first one can be removed when complete.

Technical Data MCP 450		**Cat. No.**
Cassette Type:	Suitable for processed and unprocessed cassettes	
Input Slot Capacity:	6 slots of 75 embedding cassettes each	
Output Slot Capacity:	max. 120 embedding cassettes per tray (second tray included)	
Print Speed:	ca. 15 embedding cassettes/minute	
Print Accuracy:	2500 dpi	
Connection Type:	USB, Network Port, or WIFI	
Operation System:	LINUX system	
System Interface:	Compatible with LIS/HIS/PIS	
External Device:	External barcode and mobile scanning and printing	
Environment Temperature:	10 °C – 35 °C	
Dimensions (W/D/H):	379 x 416 x 475 mm	
Power Supply:	100 – 240 V / 50 – 60 Hz	44-8611-00
Technical Data MCP 075		
Input Slot Capacity:	1 slot of 75 embedding cassettes each	
Dimensions (W/D/H):	215 x 403 x 398 mm	
Power Supply:	100 – 240 V / 50 – 60 Hz	44-8610-00
Further technical data are consistent with **MCP 450 Cassette Printer**.		

MSP 150 Slide Printer







Printing is the easiest way for long-lasting labeling of microscope slides. With the **MSP 150 Slide Printer** and its UV laser printing technology, slides can be labeled super-fast with a durable inscription.

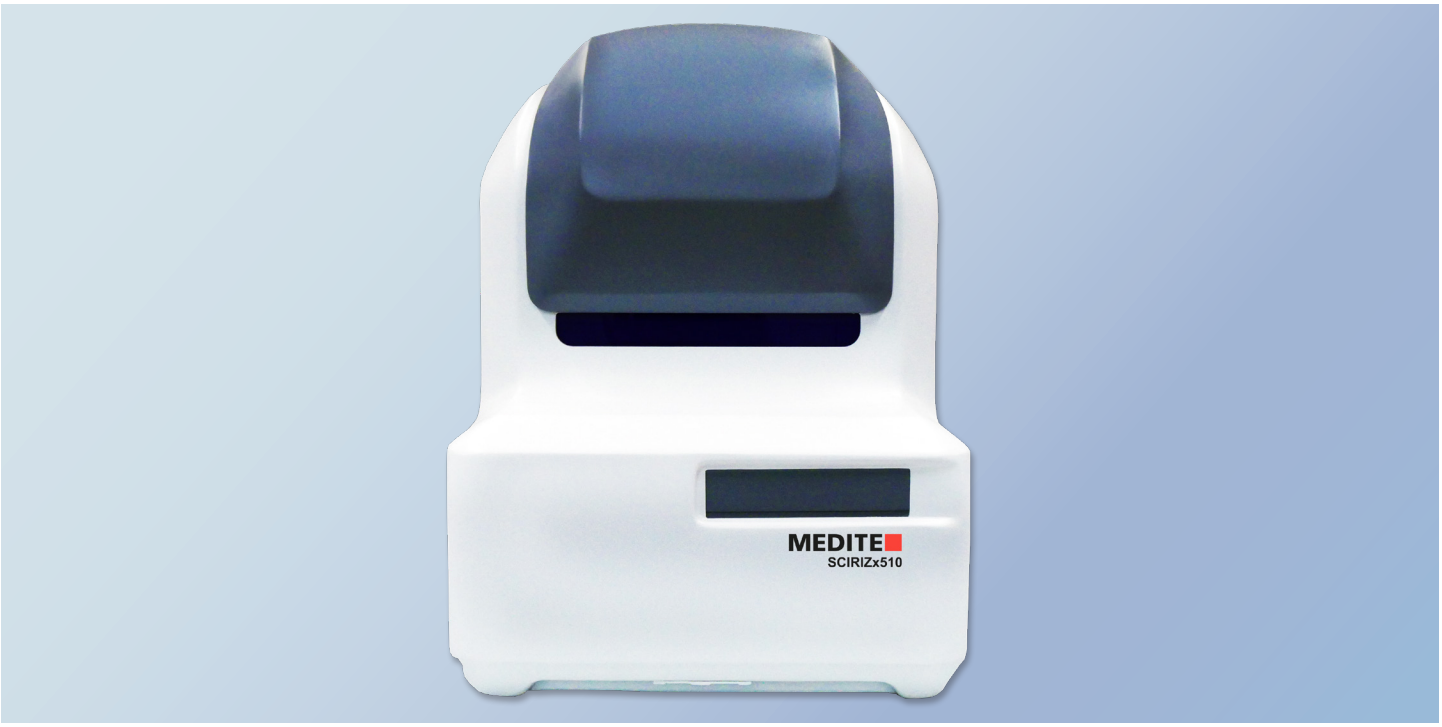
Using print for labeling microscope slides eliminates the risk of errors caused by misleading handwriting. All relevant information can be printed as text and barcode. The print speed is at ca. 3 seconds per slide. Printed information is particularly durable and prevents errors caused by illegible manual markings. Using UV laser printing technology eliminates regular costs that usually arise with ink printing, such as the costly replacement of print heads or refilling consumables (e.g. ink cartridges, ribbons). Not only does this reduce the utility expenses significantly, there is also no risk of ink-related errors such as smudging, untimely color fading, ink blackouts or else.

The magazine is easy to load and can hold a capacity of up to 150 microscope slides. A second magazine is included to continuously maintain the printing process. The slide output on the front of the MSP 150 Slide Printer fits up to 50 slides. Sorted by the concept of first in – first out, the first printed slide remains on top while the following slides come out below in chronological order of print. All standard-sized slides with color frosted ends can be used.

The **MSP 150 Slide Printer** can be connected to existing information systems (LIS/HIS/PIS).

Technical Data MSP 150		**Cat. No.**
Load Mode:	Magazine loading	
Slide Type:	Standard size, with color frosted ends	
Input Slot Capacity:	150 slides per magazine (two magazines included)	
Output Slot Capacity:	max. 50 slides	
Print Speed:	3 seconds/slide	
Print Accuracy:	2500 dpi	
Connection Type:	USB, Network Port, or WIFI	
Operation System:	LINUX system	
System Interface:	Compatible with LIS/HIS/PIS	
External Device:	External barcode and mobile scanning and printing	
Environment Temperature:	10 °C – 35 °C	
Dimensions (W/D/H):	200 x 470 x 388 mm	
Weight:	ca. 15 kg (net weight)	
Power Supply:	100 – 240 V / 50 – 60 Hz	44-8600-00

SCIRIZx510A Microscope Slide Scanner



The **SCIRIZx510A** enables rapid, high-resolution digitization of processed tissue samples on slides. The powerful device can scan five slides simultaneously. It automatically recognizes relevant factors such as the sample area and slide staining.

The image results are available within a minute. The matching software can be used to make further optimizations and additions to the individual images, such as rotations or area measurements. Magnification of up to 40 times is possible. At the same time, the image data can be uploaded to a specified server in real time to facilitate the exchange of information between different locations and significantly speed up communication between the parties involved.

Additional **SCIRIZx** models with larger slide capacity are available upon request:

- for up to **120** slides
- for up to **240** slides
- for up to **360** slides
- for up to **480** slides

In addition to the **SCIRIZx510A** scanner, the delivery also includes a powerful computer unit with pre-installed software and a high-resolution monitor. This allows the workplace to be set up optimally.





Technical Data SCIRIZx510A		Cat. No.
Microscope Slide Scanner		
Slide Capacity:	5	
Magnification:	20x / 40x	
Speed:	In an area of 15 x 15 mm • 40 seconds at 20x magnification • 60 seconds at 40x magnifaction	
Resolution:	• 0.24 µm/px at 20x magnification • 0.12 µm/px at 40x magnifaction	
Image format:	TMAP, SVS, TIFF	
Scanning mode:	Fast, precise, 3D (up to 512 layers), fusion (up to 512 layers)	
Automatic detection:	Tissue sample area, Tissue Micro Arrays, Slide stains (H&E, Pap smear and IHC)	
Focussing:	Automatic, manual	
Data Upload:	Realtime upload image data to specified server	
Image Editing Functions:	Digital magnification, rotation, color enhancement, flip-n-flop, arbitrary-shape multi-color labeling, length/size/area measurements, annotations, ROI saving (BMP, JPG, PNG, TIFF etc), history tracking, image processing, etc	
Barcodes:	Barcode, QR code, 2D code, and standard numerics	
Operating System Compatibility:	Windows 10, 64-bit OS	
Dimensions (W/D/H):	420 x 550 x 595 mm	
Weight:	ca. 40 kg	
Power Supply:	220 V / 50 Hz	44-8510-00
Computer Unit		
Operating System:	Windows 10, 64-bit	
CPU:	Intel i7, 12-kernel	
Frequency:	2.1 GHz	
Memory:	16 GB	
GPU:	2 GB	
Storage:	1TB Hard Disk, 256 GB SSD	
Screen		
Size:	≥23 inch LED monitor	
Resolution:	≥1920 x 1080	

Also available: Fluorescence scanners

If you are interested in microscope slide scanners that offer fluorescence scanning, please contact us. Our experts will be happy to advise you on the possibilities!



The round Tissue Floatation Bath **TFB 45** is a compact and inexpensive device made of powder-coated aluminum with a capacity of 1.5 liters. Paraffin sections can be stretched and drawn onto the slide. The deep black plastic coating provides optimal contrast to the paraffin section and guarantees a long shelf life.

Thanks to its low weight and compact size, it can be used flexibly at various workplaces in pathological, histological and other laboratories.

The Tissue Floatation Bath has a heated rim that is suitable for depositing and gently drying the slides that have been drawn up. For more space on a particularly wider rim, the **TFB 55** is available.

With the user-friendly controller with temperature scale, the desired value can be set exactly to +/- 2 ° C. The rim is heated parallelly. Overheating protection is integrated.

Suitable thermometers are available as accessories, as well as an aluminum lid that ensures temperature stability and protects the bath against dirt when it is not in use.







Technical Data TFB 45		**Cat. No.**
Bath Capacity:	max. 1.5 liters	
Temperature:	+30 °C to +90 °C	
Rim Width:	45 mm	
Dimensions Bath Internal (Ø/H):	210 x 55 mm	
Dimensions Overall (Ø/H):	300 x 90 mm	
Weight:	ca. 2 kg	
Power Supply:	230 V / 50 – 60 Hz / 250 VA	01-4500-00
	115 V / 50 – 60 Hz / 250 VA	01-4510-00
Technical Data TFB 55		
Bath Capacity:	max. 1.5 liters	
Temperature:	+30 °C to +90 °C	
Rim Width:	55 mm	
Dimensions Bath Internal (Ø/H):	210 x 55 mm	
Dimensions Overall (Ø/H):	340 x 90 mm	
Weight:	ca. 2 kg	
Power Supply:	230 V / 50 – 60 Hz / 250 VA	01-5500-00
	115 V / 50 – 60 Hz / 250 VA	01-5510-00

The following accessories are available for use with the **TFB 45** and **TFB 55**:

Item	*Packing Unit*	*Cat. No.*
Accessories Kit for **TFB 45** incl. lid, thermometer and matching holder	1 kit	11-4500-00
Accessories Kit for **TFB 55** incl. lid, thermometer and matching holder	1 kit	11-5500-00
Thermometer for **TFB 45** and **TFB 55**, 0 – 100 °C	1 pc.	51-4551-00
Lid made of aluminum for **TFB 45** and **TFB 55**	1 pc.	11-4540-00
Thermometer Holder for **TFB 45**	1 pc.	11-4541-00
Thermometer Holder for **TFB 55**	1 pc.	11-5541-00

TFB 35 Tissue Floatation Bath



The Tissue Floatation Bath **TFB 35** is an LED-illuminated, rectangular stretching bath for paraffin sections that has been tried and tested in the routine of everyday laboratory work. The central component is the removable glass tray, under which a LED light strip is located. The light come from the rear edge under the glass tray, ensuring excellent visibility of the paraffin sections on the water surface.

The glass tray of the **TFB 35.000** has a volume of 1.5 liters that can be easily removed and also cleaned in the dishwasher. A second model, the **TFB 35.500**, has a higher glass tray with a capacity of 2.8 liters.

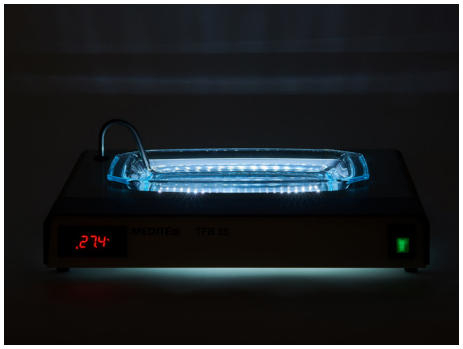
In addition to a removable glass tray, the **TFB 35** has a heated work surface on the front. It is coated with a resistant black plastic and offers enough space to put down slides for drying.

The temperature is set via digital controller and shown in the display on the front. To ensure optimal temperature control, the **TFB 35** has a temperature sensor that is immersed in the glass tray and constantly measures the water temperature.

A matching lid, which ensures temperature stability and protection against dirt when not in use, is available separately.







Technical Data TFB 35.000		**Cat. No.**
Bath Capacity	max. 1.5 liters	
Temperature:	+30 °C bis +55 °C	
Dimensions Heated Front Area (W/D):	370 x 75 mm	
Dimensions Glass Tray (W/D/H):	270 x 165 x 50 mm	
Dimensions Overall (W/D/H):	430 x 365 x 160 mm	
Weight:	ca. 7 kg	
Power Supply:	230 V / 50 – 60 Hz / 250 VA	01-3500-02
	115 V / 50 – 60 Hz / 250 VA	01-3510-02
Technical Data TFB 35.500		
Bath Capacity:	max. 2.8 liters	
Temperature:	+30 °C to +55 °C	
Dimensions Heated Front Area (W/D):	370 x 75 mm	
Dimensions Glass Tray (W/D/H):	270 x 165 x 80 mm	
Dimensions Overall (W/D/H):	430 x 365 x 190 mm	
Weight:	ca. 7 kg	
Power Supply:	230 V / 50 – 60 Hz / 250 VA	01-3550-02
	115 V / 50 – 60 Hz / 250 VA	01-3560-02





The following accessories are available for use with the **TFB 35**:

Item	*Packing Unit*	*Cat. No.*
Lid made of Aluminum for **TFB 35.000**	1 pc.	11-4550-01
Lid made of Aluminum for **TFB 35.500**	1 pc.	11-4550-10
Glass Tray, Capacity 1.5 liters, for **TFB 35.000**	1 pc.	51-4552-00
Glass Tray, Capacity 2.8 liters, for **TFB 35.500**	1 pc.	51-4553-00

OTS 40 Slide Stretching Table







The **OTS 40** is a stable and robust slide stretching table that is available in five different sizes and finds its place in every laboratory.

The work surface consists of a plastic-coated aluminum plate that is 6 mm thick. This enables rapid heating to the desired working temperature, which is then kept stable during the entire duration of use. Temperatures of max. +99 °C can be set using a digital temperature controller at the front. The current temperature is shown on the display during operation.

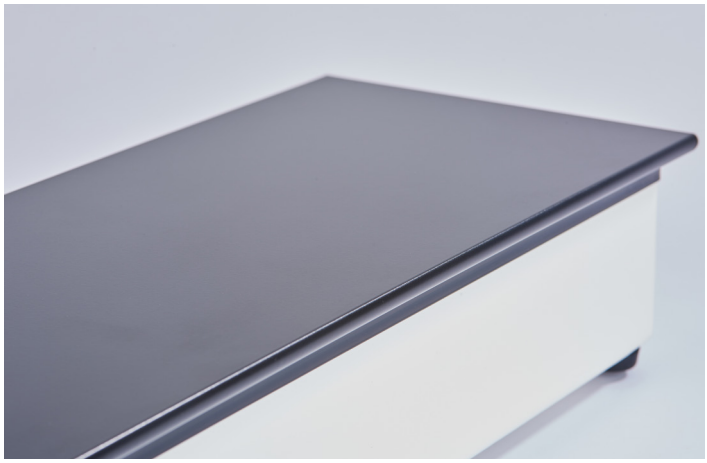
The **OTS 40** series has proven itself particularly thanks to its high temperature constancy and long life time in routine laboratory work.





Technical Data OTS 40.1520		Cat. No.
Temperature:	+30 °C to +99 °C	
Dimensions Overall (W/D/H):	150 x 200 x 80 mm	
Weight:	1.7 kg	
Power Supply:	230 V / 50 – 60 Hz / 120 VA	01-4001-00
	115 V / 50 – 60 Hz / 120 VA	01-4101-00
Technical Data OTS 40.1540		
Temperature:	+30 °C to +99 °C	
Dimensions Overall (W/D/H):	150 x 400 x 80 mm	
Weight:	2.9 kg	
Power Supply:	230 V / 50 – 60 Hz / 300 VA	01-4002-00
	115 V / 50 – 60 Hz / 300 VA	01-4102-00
Technical Data OTS 40.2025		
Temperature:	+30 °C to +99 °C	
Dimensions Overall (W/D/H):	200 x 250 x 80 mm	
Weight:	2.4 kg	
Power Supply:	230 V / 50 – 60 Hz / 250 VA	01-4003-00
	115 V / 50 – 60 Hz / 250 VA	01-4103-00
Technical Data OTS 40.2530		
Temperature:	+30 °C to +99 °C	
Dimensions Overall (W/D/H):	250 x 300 x 80 mm	
Weight:	3.6 kg	
Power Supply:	230 V / 50 – 60 Hz / 350 VA	01-4004-00
	115 V / 50 – 60 Hz / 350 VA	01-4104-00
Technical Data OTS 40.3040		
Temperature:	+30 °C to +99 °C	
Dimensions Overall (W/D/H):	300 x 400 x 80 mm	
Weight:	5.4 kg	
Power Supply:	230 V / 50 – 60 Hz / 550 VA	01-4005-00
	115 V / 50 – 60 Hz / 550 VA	01-4105-00







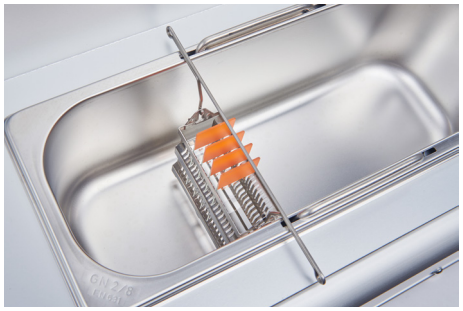
Up to 1,000 slides per hour can be processed with the Linear Stainer **COT 20**. The continuous process makes high daily throughput possible in histological and cytological laboratories.

A total of 23 staining stations are available. The slide holders are transported from one staining bath to the next according to the staining and drip times. The staining time can be adjusted as needed, from 20 seconds to 12 minutes. It applies to all stations. In order to increase the time in a staining station, it can be set repeatedly. The drip automatic reduces the carryover of staining solutions.

The front work surface includes two containers for draining. Each one offers space for up to 10 microscope slide holders with 20 slides each. The containers are made of stainless steel and removable, so they can easily be cleaned. Stainless steel lids reduce vapors coming from the containers.







Flowing watering via a central water connection can be set for 16 of the 23 staining stations. This ensures consistently high-quality staining results.

The cuvettes of the staining stations have a capacity of 250 ml each. The effectiveness of the staining and solvents is supported by the agitation function, which can easily be switched on and off.

The flexibility of the **COT 20** allows a multitude of variations, the use of many common staining solutions and intermediates as well as the realization of many cytological and histological routine stains. There are three different models to choose from, adapted for laboratory requirements, which can either be connected to existing ventilation systems or have an integrated activated carbon filter.

Technical Data COT 20.000		**Cat. No.**
Amount of Staining Stations:	23	
Staining Output:	- with a bath change cycle of 2 minutes: approx. 500 specimens / hour - with a bath change cycle of 1 minute: approx. 1,000 specimens / hour	
Microscope Slide Basket:	20 slides, to be used directly with **MEDITE** coverslipping machines	
Staining Bath Volume:	250 ml	
Agitation:	on / off switch for agitation movement to improve diffusion	
Staining Time:	adjustable from 20 seconds to 12 minutes	
Automatic Drip:	adjustable from 1 to 30 seconds (can be switched off)	
Dimensions (W/D/H):	1,520 x 570 x 440 mm	
Weight:	ca. 55 kg	
Power Supply:	230 V / 50 – 60 Hz / 150 VA	03-2000-00
	115 V / 50 – 60 Hz / 150 VA	03-2010-00
Technical Data COT 20.200 with Closed Side Panels		
Dimensions (W/D/H):	1,300 x 570 x 440 mm	
Weight:	ca. 57 kg	
Power Supply:	230 V / 50 – 60 Hz / 150 VA	03-2020-00
	115 V / 50 – 60 Hz / 150 VA	03-2030-00
Further technical data are consistent with **COT 20.000**.		
Technical Data COT 20.400 with Closed Side Panels and integrated Carbon Filter		
Dimensions (W/D/H):	1,300 x 700 x 440 mm	
Weight:	ca. 65 kg	
Power Supply:	230 V / 50 – 60 Hz / 150 VA	03-2040-00
	115 V / 50 – 60 Hz / 150 VA	03-2050-00
Further technical data are consistent with **COT 20.000**.		

The following accessories are available for use with the **COT 20**:

Item	*Packing Unit*	*Cat. No.*
Microscope Slide Basket with Hanger, for 20 slides	1 pc.	11-0054-00
Hanger for Basket No. 11-0054-00	1 pc.	22-2000-00
Staining Cuvette	1 pc.	35-2002-00
Flow Through Staining Cuvette	1 pc.	35-2001-00
Universal Activated Carbon for Filter Refill	Bucket of 5 kg	46-6040-00

TST 44+ Automatic Multi-Stainer



The programmable Multi-Stainer **TST 44+** combines flexibility with speed for high throughput performance. It has a total of 44 stations, including four loading and unloading stations, six water baths and 30 staining stations. Alternative **TST 44+** models are available with an integrated drying station.

The **TST 44+** is operated via touch display at a comfortable viewing height with easy menu navigation. Protocols are easy to create and select, with many possible variations. The protocol status is shown on the display during operation and can be viewed at any time.

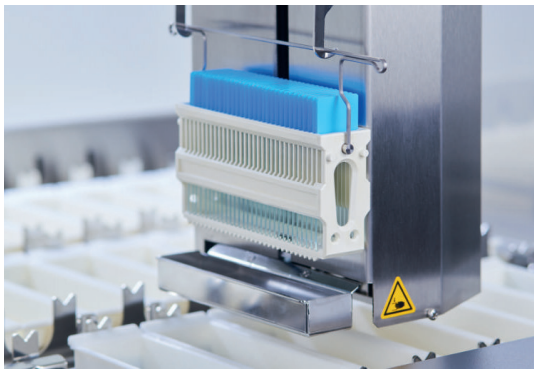
Thanks to the large number of available workstations, different staining protocols can be processed in parallel. Neither the reagent change nor individual steps such as deparaffining need to be done externally. The staining stations work with the agitation technique that ensures gentle treatment of the fluids.

During standard protocols, the **TST 44+** accepts up to twelve baskets with at the same time (eight for staining process, four in start position). This way, large quantities of slides can be processed continuously and the laboratory routine becomes more efficient. The **TST 44+** also has a backup power feature to prevent interruption and reset of the ongoing process, protecting the sample material from damage.

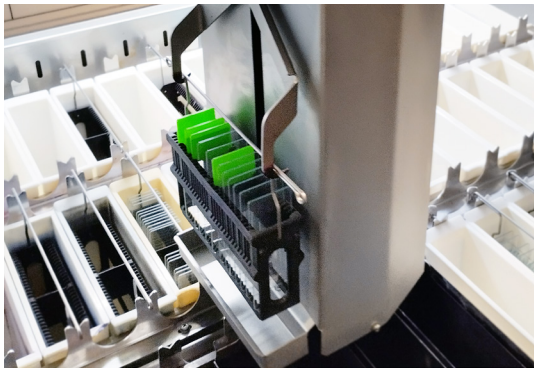
The fully automatic sequence of the staining protocols is another important factor in efficient work organisation. Up to 50 staining protocols can be saved. A variety of options can be individually set for each protocol.

The transport head moves in the X, Y and Z directions. It includes a drip tray that reliably prevents liquids that are still sticking to slides or baskets from being carried over. During transport to the next station, the drip tray automatically slides under the slide basket. Cellulose paper in the tray absorbs the liquids.

The **TST 44+** can be used with an activated carbon filter or connected to an external ventilation system. The device supports resource-saving work with the integrated water-saving function. In addition, the current reagent status can be displayed in the menu, enabling an efficient reagent management.







Technical Data TST 44.000+ Standard		**Cat. No.**
Max. Number Staining Protocols:	50	
Options per Step:	bath, time (1 sec. – 59 min.)	
Stations in the Unit:	44 stations, of which: 4 loading and 4 unloading stations, 6 water baths, 30 staining stations with agitation	
Bath Volume:	360 ml, with the option to reduce the volume to 260 ml	
Safety:	uninterruptable power supply (UPS)	
Dimensions Overall (W/D/H):	1,210 x 670 x 640 mm	
Weight:	ca. 118 kg	
Power Supply:	230 V / 50 – 60 Hz / 100 VA	04-4400-05
	115 V / 50 – 60 Hz / 100 VA	04-4410-05
Technical Data TST 44.200+ with Drying Station		
Stations in the Unit:	44 stations, of which: 4 loading and 4 unloading stations, 4 water baths, 2 drying stations (temperature adjustable from +40 °C to +90 °C), 30 staining stations with agitation	
Power Supply:	230 V / 50 – 60 Hz / 1200 VA	04-4420-05
	115 V / 50 – 60 Hz / 1200 VA	04-4430-05
Further technical data are consistent with **TST 44.000+**.		
Technical Data TST 44.000+ C Standard with Transfer Station to the Coverslipper		
Stations in the Unit:	44 stations, of which: 4 loading and 4 unloading stations, 6 water baths, 30 staining stations with agitation	
Transfer Station:	transfer station for the automatic transfer of the slide holder to the **ACS 720** Coverslipper	
Power Supply:	230 V / 50 – 60 Hz / 100 VA	04-4720-05
	115 V / 50 – 60 Hz / 100 VA	04-4730-05
Further technical data are consistent with **TST 44.000+**.		
Technical Data TST 44.200+ C with Drying Station and Transfer Station to the Coverslipper		
Stations in the Unit:	44 stations, of which: 4 loading and 4 unloading stations, 4 water baths, 2 drying stations (temperature adjustable from +40 °C to +90 °C), 30 staining stations with agitation	
Transfer Station:	transfer station for the automatic transfer of the slide holder to the **ACS 720** Coverslipper	
Power Supply:	230 V / 50 – 60 Hz / 1200 VA	04-4740-05
	115 V / 50 – 60 Hz / 1200 VA	04-4750-05
Further technical data are consistent with **TST 44.000+**.		

The following accessories are available for use with the **TST 44+**:

Item	*Packing Unit*	*Cat. No.*
Activated carbon filter (disposable) for **TST 44+**	1 pc.	67-1001-00
Staining cuvette, volume: 360 ml	1 pc.	35-1001-00
Volume reduction block for staining cuvettes (260 ml)	1 pc.	28-1008-00
Filter pads made of cellulose for the draining device, 25 x 115 mm	Pack of 100 pcs.	46-6031-00
When using the TST 44+ with the ACS 720 automatic glass coverslipper:		
Basket for 30 microscope slides with fixed hanger, plastic	1 pc.	24-1140-00
When using the TST 44+ with the RCM 7000 or RCM 9000 automatic glass coverslipper:		
Basket for 30 microscope slides, stainless steel, without hanger	1 pc.	17-5030-01
Hanger for basket for 30 slides made of stainless steel, Cat. No. 17-5030-01	1 pc.	22-1001-00
Basket for 20 microscope slides, stainless steel, without hanger	1 pc.	48-9020-00
Hanger for basket for 20 slides made of stainless steel, Cat. No. 48-9020-00	1 pc.	22-1002-00
When using the TST 44+ with the Twister automatic film coverslipper:		
Basket for 20 microscope slides with removable hanger, plastic	1 pc.	46-3002-00
Basket for 30 microscope slides with removable hanger, plastic	1 pc.	24-1146-00

TCA 44-720 Multi-Stainer Glass Coverslipper Combination





The Multi-Stainer Glass Coverslipper Combination **TCA 44-720** offers complete automation of the staining process up to the finished slide. The device combines the multi-stainer **TST 44+ C** with the automatic glass coverslipping machine **ACS 720**. The resulting device is characterized by high flexibility and throughput as well as excellent quality and process reliability.

Due to the modular structure, it is no longer neccessary to manually transfer the slide basket to the glass coverslipper. This is time-saving for the user, and also optimizes the entire procedure of slide processing. The **ACS 720** can cover up to 400 slides per hour.

The **ACS 720** is available in combination with the following **TST 44+** models:

- **TST 44.000+ C** Programmable Multi-Stainer with Transfer Station
- **TST 44.200+ C** Programmable Multi-Stainer with Transfer Station and Drying Chamber

Further info on TST 44+ on page 56.

The **ACS 720** automatic glass coverslipper works reliably and quickly at a consistently high level of quality. The stained slide is transported from the basket to the mounting medium by use of a turntable solution, developed by **MEDITE**, where it is applied automatically. In the next step, the cover slip is attached. Then the slide is returned to the same slide basket. To prevent the dispenser needle from drying out, it automatically returns to a xylene reservoir when the process is finished.

By automating the coverslipping process, time and effort needed can be significantly reduced.

MEDITE mounting media and special coverglass for coverslipping machines are recommended for use with the **ACS 720** (more on page 13). Damaged coverglass is recognized by the device. The processed tissue samples are covered smoothly and without bubbles for a reliable diagnosis and an archiving period.

Technical Data ACS 720		**Cat. No.**
Coverslipping Time:	6 – 11 seconds per slide	
Mounting Medium Dispensing Volume::	30 – 150 µl	
Mounting Medium Container	bottle of 500 ml	
Microscope Slide Size:	26 x 76 mm with 45° beveled corners	
Microscope Slide Thickness:	0.9 – 1.2 mm	
Microscope Slide Holder Archive:	4 x 30 slide basket	
Coverglass Size:	24 x 50 mm, 24 x 55 mm, 24 x 60 mm	
Coverglass Thickness:	0.13 – 0.17 mm	
Coverglass Container Capacity:	ca. 300 pcs.	
Dimensions (W/D/H):	630 x 670 x 640 mm	
Weight:	ca. 65 kg	
Power Supply:	100–240 V / 50 – 60 Hz / 90 VA	04-7200-04

The following accessories are available for use with the **ACS 720**:

Item	*Packing Unit*	*Cat. No.*
Activated carbon filter (disposable) for **ACS 720**	1 pc.	67-1005-00
Basket for 30 microscope slides with fixed hanger, plastic	1 pc.	24-1140-00
Container for coverglass 24 x 50 mm	1 pc.	24-1350-02
Container for coverglass 24 x 55 mm	1 pc.	24-1355-02
Container for coverglass 24 x 60 mm	1 pc.	24-1360-02
Drip tray for dispenser	Pack of 10 pcs.	48-9084-00

Technical data and accessories for the **TST 44+** can be found on page 57.

Design can change



The **Twister**® Film Coverslipper offers high performance and reliable automated coverslipping. The results impress with high optical quality. Film-covered microscope slides are ideal for digital slide scanning.

The **Twister**® is quick and easy to use. It has a large, clear front for protection against contamination that also provides a good orientation about the process status and the remaining capacity (slides, xylene, coverfilm). Cutouts in the front enable the quick exchange of consumables and new slide baskets without interrupting the coverslipping process.

Slides are processed at a speed of about 3 seconds. Each slide is automatically taken from the starter basket, carefully covered and then placed in the second basket for finished slides. When the basket is filled with covered slides, it is automatically dispensed into the output area below the operating area. The start basket is also automatically placed in the output area as soon as it is empty. Up to 1,200 slides can be processed per hour. A collection bottle that catches any excess xylene during the coverslipping process is placed in the output area as well.

The **Twister**® is operated via an intuitive, easy-to-read menu. Various parameters, e.g. cutting length of the coverslip are individually adjustable. The amount of xylene required can be regulated individually (even during the coverslipping process). The bright color touch display at the top in the middle of the device is easy to reach and operate at any time. It is protected by touch-sensitive glass and is xylene-resistant.

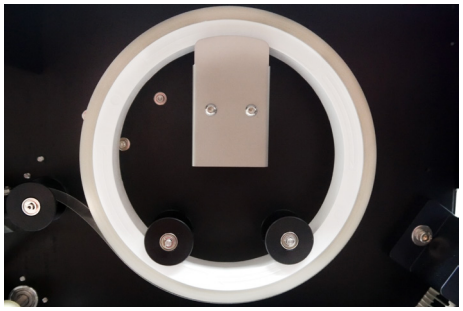
The standard model of the **Twister**® works with slide baskets with a capacity of 30 slides. Another model is available that can be used with baskets with a capacity of 20 slides. **MEDITE** slide baskets can be used directly with the **Twister**®. Adapters for other brands of slide baskets are available on request.

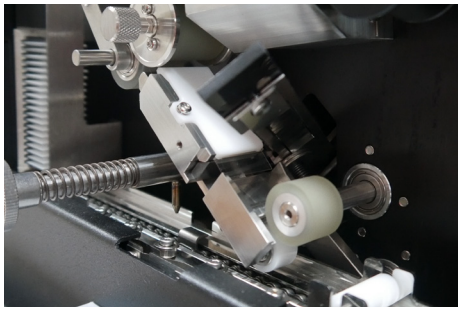
The **Twister**® can be connected to an external ventilation system in the laboratory or used with the integrated carbon filter.

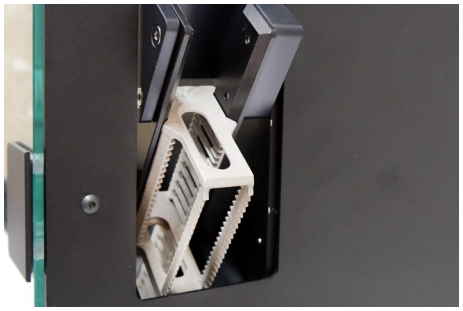
Technical Data Twister® for 30 Slides Baskets		Cat. No.
Slide Basket Capacity:	30 pcs.	
Coverslipping Time:	ca. 3 seconds per slide	
Mounting Medium Container:	bottle of 500 ml	
Coverslipping Film Dimensions (W/L):	24 mm x 70 m	
Film Application Length:	45 – 60 mm	
Volume Waste Bottle:	100 ml	
Dimensions (W/D/H):	730 x 310 x 545 mm	
Weight:	ca. 65 kg	
Power Supply:	230 V / 50 – 60 Hz	03-5000-02
	115 V / 50 – 60 Hz	03-5100-02
Technical Data Twister® for 20 Slides Baskets		**Cat. No.**
Slide Basket Capacity:	20 pcs.	
Power Supply:	230 V / 50 – 60 Hz	03-5010-02
	115 V / 50 – 60 Hz	03-5110-02
Further technical data are consistent with **Twister® for 30 slides baskets**.		

The following accessories are available for use with the **Twister®**:

Item	*Packing Unit*	*Cat. No.*
Basket for 20 microscope slides with removable hanger, plastic	1 pc.	46-3002-00
Basket for 30 microscope slides with removable hanger, plastic	1 pc.	24-1146-00
Twister® Coverfilm, ca. 24 mm width and ca. 66 m length	1 roll	40-4400-00
Film Blades	Pack of 5 pcs.	34-5001-00
Activated Carbon Filter (disposable)	1 pc.	67-1005-00
Waste Bottle, complete, 100 ml volume	1 pc.	34-5036-00
Xylene Bottle, complete, 500 ml volume	1 pc.	34-5041-00







TDO Sahara Slide Drying Oven



The **TDO Sahara** is a convection oven for fast and gentle deparaffining and drying of slides in the laboratory.

From the outside, the **TDO Sahara** offers full frontal view into the drying chamber through the generous glass window. This gives the user full control over the current state of the slide inside at all times. A magnetic locking mechanism ensures that the warm air remains inside the device. This way, the temperature remains stable and the energy expenditure is not unnecessarily increased.

The **TDO Sahara** warms up to operating temperature in just about a minute. The drying times are set using a touch control element. The user can choose between a chosen drying time or continuous operation, which is particularly useful when a large number of samples is processed. Every specified drying cycle is followed by a cooling phase. Routine slide drying usually only takes a few minutes.

The drying chamber offers space for up to 48 baskets with 30 microscope slides, distributed on two stainless steel grids. On the bottom of the drying chamber there is a drip tray for safely collecting dripping paraffin or other liquids. Both grids and the drip tray can be easily removed for cleaning.

In addition to the magnetic locking mechanism that prevents fumes from escaping to the outside, an activated carbon filter helps to reduce the pollution of the laboratory air by solvent vapors that can arise inside the drying chamber during operation.

Technical Data TDO Sahara		**Cat. No.**
Drying Time:	adjustable from 1 min. to 99 hrs. 59 min., or endless operation	
Temperature:	20 °C to 80 °C, adjustable in 1 °C steps	
Dimensions Drying Chamber (W/D/H)	414 x 273 x 280 mm	
Dimensions Overall (W/D/H):	445 x 368 x 480 mm	
Weight:	ca. 23 kg	
Power Supply:	230 V / 50 – 60 Hz / 1250 VA	02-6800-00
	115 V / 50 – 60 Hz / 1250 VA	02-6900-00

The following accessories are available for use with the **TDO Sahara**:

Item	*Packing Unit*	*Cat. No.*
Activated Carbon Filter (disposable)	1 pc.	67-1006-00







USE 33 Ultrasonic Accelerated Decalcifier

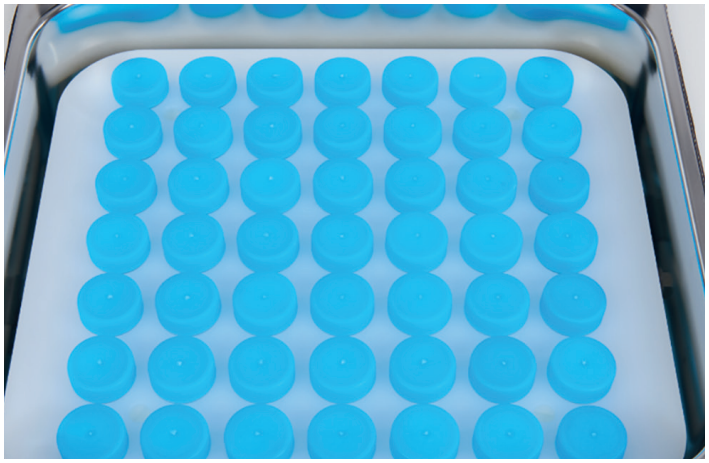


By using the ultrasonic technology of the **USE 33**, crystalline structures of calcium phosphate, magnesium phosphate and calcium carbonate are shattered quickly and in a targeted manner. This enables quick and cell-friendly decalcification when using suitable fixation and decalcifying solutions, e.g. USEDECALC or USERAPID. Infiltration processes of fixation, decalcifying or intermediate media are accelerated considerably.

In conjunction with the USEDECALC or USERAPID solutions, the decalcification time is shortened to 25 % of the regularly needed time for bone marrow biopsies, femoral heads, nasal and auditory cartilages, and a reduction to 40 to 60 % for material containing a lot of corticalis can be reached.

The heat generated by the input of ultrasonic energy is compensated for by an integrated cooling unit. Consequently, the digital temperature controller ensures a constant temperature range that is ideal for the descaling process, which is usually around 16 – 18 °C. As a result, the morphology and antigenicity are 100 % preserved. Neither shrinkage artifacts nor swelling of the tissue can be seen. The morphology is retained very well thanks to the ultrasound-accelerated decalcification, so that, among other things, immunohistochemical examinations are also possible.





Technical Data USE 33		**Cat. No.**
Process Timer:	programmable: 1 min. to 100 hours	
Timer:	- programmable start time and weekly programs - with three separate time programs, a separate program can be defined for each weekday or method	
Bath Volume:	13.5 liters carrier fluid	
Temperature Control:	electronic controller with digital display	
Temperature Range:	+14 °C to +25 °C	
Dimensions Overall (W/D/H):	450 x 600 x 350 mm	
Weight:	ca. 28 kg	
Power Supply:	230 V / 50 – 60 Hz / 300 VA	03-3300-00
	115 V / 50 – 60 Hz / 300 VA	03-3310-00

The following accessories are available for use with the **USE 33**:

Item	*Packing Unit*	*Cat. No.*
Sample insert No. 1, including 4 sample containers No. 1	1 pc.	28-8252-00
Sample container No. 1 for sample insert No. 1, DURAN glass beaker with spout, approx. 800 ml, height: 110 mm, Ø 93 mm, max. sample size: 250 cm^3	1 pc.	46-1027-00
Sample insert No. 2, including 9 sample containers No. 2	1 pc.	28-8253-00
Sample container No. 2 for sample insert No.2, DURAN glass beaker with spout, approx. 150 ml, height: 85 mm, Ø 51 mm, max. sample size: 40 cm^3	1 pc.	46-1026-00
Sample insert No. 3, including 49 sample containers No. 3	1 pc.	28-8254-00
Sample container No. 3 for sample insert No. 3, sample vial PVC with lid approx. 20 ml, height: 40 mm, Ø 25 mm, max. sample size: 5 cm^3	1 pc.	46-1028-00
Lid for sample inserts No. 1 and 2	1 pc.	28-8250-00



Bonus Information:

Decalcification Guide, by Dr Michael Paul and Kirsten Meier

Get more information on how to use the decalcification solutions **USERAPID** and **USEDECALC** (p. 14) in combination with the **USE 33 Ultrasonic Accelerated Decalcifier** in our **MEDITE Decalcification Guide**, available for download on our website. Printed Guides are available on request, please email us at sales@medite.de, **Decalcification Guide**.

To download the PDF, scan the QR code or visit www.medite.de/en/ultrasonic-decalcifying-automat-use-33

The special decalcifying solvents **USERAPID** and **USEDECALC** for the fast decalcification of histological material are ideally suited for direct use with the **USE 33** ultrasonic accelerated decalcifier. The decalcifying solutions are available in canisters of 5 liters and bottles of 1 liter.

Further information can be found in this catalog on **page 14**. If you are interested, please do not hesitate to contact us!



TAZ 19 Benchtype Fume Absorber







The **TAZ 19** is a mobile safety workstation with underfloor exhaust ventilation for use as a tabletop device. It is perfect for use for manual coverslipping of microscope slides, for histological and pathological preparations, or for filling and decanting solvents.

The continuously variable adjustment of the exhaust ventilation power enables an optimal adaption to the respective requirement. Due to the different perforation of the work area, the exhaust ventilation is about equal all over the work surface.

Underfloor exhaust ventilation is ideal because many reagent vapors are heavier than air. The device can be used independently with an activated carbon filter or with a connection to an existing ventilation air system. In order to even better prevent vapors emitting from the work area, an optionally availabel acrylic glass hood can be added to the **TAZ 19**. Necessary filter changes are indicated by an optical signal.

The **TAZ 19** is available in three different versions, differentiated by their respective exhaust ventilation and filter type.





Technical Data TAZ 19.000		**Cat. No.**
Filter:	filter casing with universal activated carbon	
Dimensions Working Surface (W/D/H):	590 x 310 x 40 mm	
Dimensions Overall (W/D/H):	620 x 485 x 405 mm	
Weight:	ca. 20 kg	
Power Supply:	230 V / 50 – 60 Hz / 160 VA	02-1900-00
	115 V / 50 – 60 Hz / 160 VA	02-1910-00
Technical Data TAZ 19.200		
Filter:	filter casing with activated carbon for formalin fumes	
Dimensions Working Surface (W/D/H):	590 x 310 x 40 mm	
Dimensions overall (W/D/H):	620 x 485 x 405 mm	
Weight:	ca. 20 kg	
Power Supply:	230 V / 50 – 60 Hz / 160 VA	02-1920-00
	115 V / 50 – 60 Hz / 160 VA	02-1930-00
Technical Data TAZ 19.400		
Filter:	connection for external exhaust	
Dimensions Working Surface (W/D/H):	590 x 310 x 40 mm	
Dimensions overall (W/D/H):	620 x 485 x 405 mm	
Weight:	ca. 18 kg	
Power Supply:	230 V / 50 – 60 Hz / 160 VA	02-1940-00
	115 V / 50 – 60 Hz / 160 VA	02-1950-00

The following accessories are available for use with the **TAZ 19**:

Item	*Packing Unit*	*Cat. No.*
Special Hood made of acrylic glass	1 pc.	69-3500-00
Universal activated carbon	Bucket of 5 kg	46-6040-00
Special activated carbon for formalin	Bucket of 5 kg	46-6041-00

Design can change



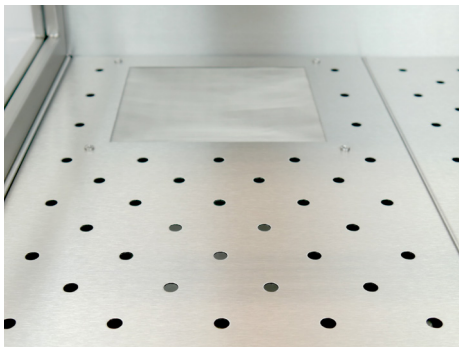
Made of high-quality stainless steel with safety glass, the **PathHood** fume hood is a compact table top device for safe working with chemicals. It is a great solution for various applications in medical, biological or chemical laboratories. The perforated stainless steel surface is illuminated with pleasant LED light and enables manual microscope slide coverslipping, histological and pathological preparations, or the filling and decantation of solvents in a safe environment. The **PathHood** is also ideal for removing and preparing mailed-in tissue samples.

For exhaust ventilation, the **PathHood** can be connected to existing ventilation systems and thus extract vapors and aerosols generated during the process directly from the workplace. This significantly reduces the pollution of the laboratory environment. The exhaustion happens from below as well as from the back wall and can be adjusted manually as required.

Additonally, the **PathHood** comes with a water connection. A metal mesh is placed under the smooth-running water tap, and a collecting basin with a drain is positioned below the work surface. It can either be connected to the wastewater system or to a collecting container.







Technical Data		Cat. No.
Exhaust:	with ventilation	
Dimensions Overall (W/D/H):	1000 x 600 x 900 mm	
Weight:	ca. 65 kg	
Power Supply:	230 V / 50 Hz / 200 VA	45-1140-00







The Paraffin Filtering Machine **L15** is suitable for melting and filtering paraffin. With the space-saving device, paraffin is always quickly available and can easily be dispensed in the desired amount via the dispensing tap.

The **L15**'s stainless steel tub holds around 15 liters in total. The paraffin dispenser is positioned centrally on the front with enough space below to conveniently position larger containers for filling underneath. With its thoughtful construction, paraffin dripping from the dispenser is prevented and the workspace stays clean.

Paraffin that has already been used can also be melted again with the **L15**. A special filter cartridge ensures that a lot of impurities are filtered when dispensing.

The temperature can continuously be adjusted up to a maximum value of 90 °C by a membrane keyboard with digital display. During the process, the current temperature is displayed and can permanently be adjusted and controlled.

A glass lid with a practical handle covers the paraffin tank and makes it easy to view of the current fill level. Both the lid and the powder-coated metal housing of the **L15** are robust and resistant to common laboratory cleaning agents.

Technical Data L15		**Cat. No.**
Temperature:	infinitely adjustable from +20 °C to +90 °C	
Volume Melting Tank:	max. 15 liters	
Filter Service Life:	approx. 3 to 6 months, depending on the type and extent of use	
Dimensions Overall (W/D/H):	390 x 590 x 550 mm	
Weight:	ca. 19 kg	
Power Supply:	230 V / 50 – 60 Hz / 650 VA	02-1800-00
	115 V / 50 – 60 Hz / 650 VA	02-1810-00

The following accessories are available for use with the **L15**:

Item	*Packing Unit*	*Cat. No.*
Special Filter Cartridge	1 pc.	46-1801-00

General Terms and Conditions

§ 1 Validity of the Conditions

Our terms and conditions of sale shall apply exclusively. Counter-confirmations by the buyer with reference to his terms and conditions of business or purchasing conditions are hereby rejected. Deviations from these terms and conditions or acceptance of contrary terms and conditions require our express written confirmation.
The contract remains binding in its remaining parts even if individual points are legally invalid, unless adherence to the contract would mean unreasonable hardship for one of the contracting parties. When using INCOTERMS, the version from 2020 applies.

§ 2 Conclusion of the Contract

Our offers are to be understood as a non-binding invitation to conclude a contract. A sales contract is only concluded with acceptance by our written order confirmation or by delivery in accordance with our terms and conditions. Verbal commitments and agreements are only binding upon our written confirmation.
After conclusion of the contract, the buyer has to provide all necessary information required for the planning to be carried out by us and is therefore obliged to perform in advance in this respect.
Drawings, samples, drafts, construction drawings and other documents remain our property and may not be used for other purposes or made available to the competition without special permission.

§ 3 Prices

Unless otherwise stated in the order confirmation, our prices apply Ex works Burgdorf, Germany, without packaging.
We reserve the right, in the case of an agreed or actual delivery time of more than four months (in the case of commercial transactions of more than one month), to increase the prices in accordance with the cost increases that have occurred due to wage costs, material price increases or increases in duties. If the increase is more than 10 %, the buyer is entitled to withdraw from the contract if he has not yet accepted the goods.
For orders with a net order value of less than EUR 250.00, we charge a flat-rate surcharge of EUR 12.50 for small quantities. Shipping within Germany is free of charge if the total shipment weight is less than 40 kg. If the total weight of the consignment is higher, we will charge the shipping costs according to expenditure. For deliveries abroad, the freight, insurance and ancillary charges valid at the time of delivery apply. All prices do not include the statutory value added tax (VAT). With VAT ID of buyer within EU, no VAT needs to be invoiced.

§ 4 Delivery, Transfer of Risk and Cancellation

Delivery times are only valid as fixed dates for the purchase if they have been expressly confirmed as such in writing. Our obligation to supply is ceased until every prior obligation of the purchaser is fulfilled. The same applies until drawings made by us have been approved. In the event of a delay in fulfillment for which we are responsible, this entitles the buyer to assert the rights to which he is entitled only if he has set us a reasonable grace period of at least 30 working days, unless this is legally unnecessary. We are entitled to make partial deliveries as long as this does not an unreasonable disadvantage for the buyer.
The risk of loss, damage and costs are transferred to the buyer when the seller has packed the goods and made them available for collection at the warehouse of MEDITE Medical GmbH, Wollenweberstraße 12 31303 Burgdorf, Germany. In accordance with our general terms of delivery pursuant to INCOTERMS Ex Works, the delivery or service of the order is deemed to have been fulfilled with this provision for collection. From this point in time, the buyer has the right of disposal, the power of disposal and bears the risk. In principle, goods of average type and quality are owed, unless otherwise expressly confirmed in writing.
If an order is cancelled by the customer two weeks after the date of an order confirmation or if a product that is still in its original packaging and free of defects is returned by the customer within four weeks of delivery, MEDITE Medical GmbH is entitled to charge a cancellation/restocking fee of 10 % of the net value of the goods. A return is always excluded for goods that are made to order that deviate from the normal design or that were delivered more than 4 weeks ago. If a device is sent in for repair at MEDITE's expense, we reserve the right to charge for this.

§ 5 Payments

The terms of payment are stated on the invoice. If no payment terms have been agreed, payment is due immediately. In the case of justified doubts about the solvency or creditworthiness of the buyer, especially if he has stopped his payments, we are authorized, without prejudice to other rights, to demand securities or advance payments for outstanding deliveries and to make the entire remaining debt due.
In the case of first-time orders, we are authorized to execute these only against advance payment may be requested.
We are entitled, in spite of contrary provisions of the buyer, to offset payments against his older debts first. The buyer will be informed about this by us. If costs and interest have already arisen, we are entitled to offset the payment first against the costs, then against the interest and finally against the main claim.
The calculation of interest is based on § 288 of the German Civil Law or, in the case of bilateral commercial transactions prior to the occurrence of default, in accordance with § 352, 353 of the German Commercial Law (HGB). If the debitor is in default, we are entitled to charge a reminder fee of EUR 10.00 for each additional reminder.
The buyer is only entitled to offset rights if his counterclaims have been legally established, are undisputed or have been recognized by us in writing.

§ 6 Characteristics, Warranty for Defects

Our order confirmation alone is decisive for determining the quality of the goods; if there is no such, the text of the offer specifies the nature of the goods. If clarifications of a technical nature are made by the buyer in response to our offer, these are only then bindingly agreed upon contractual quality when they are reconfirmed by us in writing. Drawings only describe the contractual quality if they have been approved by the buyer with a signature on the front.
Deviations from the properties (equipment, shape and color) described in the brochures or similar representations or in offers are also contractually agreed. Representations in brochures are always approximate and subject to change. The suitability of the goods for the intended purposes is not the subject of the quality of the goods. Anything else applies only to those purposes that are described by us in the instructions or otherwise expressly confirmed. Wear and tear effects and cases due to the nature of the goods and their components does not constitute a defect. This applies in particular, but not exclusively, to cable connections, gripping elements, vacuum cups, microscope slides, plastic containers (embrittlement, deformation) and batteries for emergency power supply. The device-specific guarantee declarations regulate more precise details. Any warranty expires in the event of changes to the goods that go beyond installation according to the state of art and our installation instructions. Changes in construction and design are expressly reserved. The buyer is obligated to undertake checking the specifications set from the order confirmation for their conclusiveness with regard to the intended use.

General Terms and Conditions

Obvious defects must be reported in writing immediately, no later than 10 days after receipt of the goods. If the defect only occurs at a later point in time, the buyer must notify the seller in writing of this immediately upon discovery. In the case of mutual commercial transactions, §§ 377 ff. of the German Commercial Law (HGB) apply. If the goods are defective at the time of the transfer of risk, we may, within the scope of the claim for subsequent fulfilment, either repair the goods or make a subsequent delivery at our discretion within 30 days of receipt of the returned goods, whereby the claim for subsequent delivery shall be deemed to involve disproportionate costs if model changes have been made by our supplier between the sale and the occurrence of the defect. Warranty claims shall expire within one year of delivery in the case of mutual commercial transactions, and within two years of delivery in the case of consumers. In the event of unjustified claims for which the buyer is responsible, whether there is no defect or the defect does not result in any warranty claims against us, the buyer shall reimburse us for all costs incurred.

§ 7 Retention of Title

We retent title for the purchased item until all payments from the contract have been received. In the case of commercial transactions, the retention of title applies until all claims to which we are entitled against the buyer for any legal reason now or in the future have been met. In the event of breach of contract by the buyer, especially in the event of default in payment, we are entitled to take back the goods immediately.
The buyer is entitled to sell the goods in the ordinary course of business as long as he is not in default of payment. The buyer assigns to us in advance and in full the claims arising from the resale or any other legal reason with regard to the reserved goods by way of security. The purchaser is authorised to collect the assigned claims in his own name for our account until revocation or suspension of his payments to us.
Goods subject to retention of title and the claims replacing them may neither be pledged to third parties nor assigned as security. If third parties, in particular bailiffs, have access to the reserved goods or assigned claims, the buyer is obliged to point out our rights and to inform us immediately by registered letter of the access. If the value of the securities exceeds our claim by more than 20 %, we will release collateral of our choice upon request.

§ 8 Liability

Liability for simple negligence is excluded unless otherwise stipulated by law. The further liability for intent and gross negligence remains unaffected. Our liability for delay is limited to 0.5 % of the order value per week, overall liability is limited to a maximum of 10 % of the order value. Furthermore, claims for compensation are limited to the reimbursement of proven additional costs (covering purchase based on three comparison offers).

§ 9 Design Rights, Contractual Penalty for Dealers

In the case of a bilateral trade, the buyer undertakes not to reproduce items from our delivery program or to have them reproduced and to sell them. In the event of an infringement, we are entitled to a contractual penalty. The amount of the claim is 100 % of the price of the corresponding item for each replica piece; the price list applicable at the time of the violation is decisive. Our right to further claims for damages remains unaffected.

§ 10 Place of Fulfillment, Place of Jurisdiction, Applicable Law

The place of fulfillment for the payment of the purchase price as well as for the other services of the buyer is always our registered office. The place of performance for our services is also our registered office.
The exclusive place of jurisdiction for all disputes arising from or in connection with this contract is the registered office of MEDITE Medical GmbH, Wollenweberstraße 12 31303 Burgdorf, Germany. The law of the Federal Republic of Germany applies to these terms and conditions and all legal relationships between us and the buyer.

As of: 12/2024

Corporate Headquarter:

MEDITE Medical GmbH
Wollenweberstr. 12
31303 Burgdorf
Germany
District Court Hildesheim
HRB 206325
Managing Director: Dr. Michael E. Ott

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